

Japan Geoscience Union Meeting 2009

Presentation List

A002: (Advances in Earth & Planetary Science) oral 201A

5/17, 9:45–10:20, *A002-001,
Science of small bodies opened by Hayabusa
Akira Fujiwara

5/17, 10:20–10:55, *A002-002,
What has the lunar explorer "Kaguya" seen ?
Junichi Haruyama

5/17, 10:55–11:30, *A002-003,
Planetary Explorations of Japan: Past, current, and future
Takehiko Satoh

A003: (Geoscience Education and Outreach) oral 301A

5/17, 9:00–9:02,
Introductory talk -outreach activity for primary school students

5/17, 9:02–9:14, A003-001,
Learning of geological formation for pupils by Geological Museum: Part (3) Explanation of geological formation
Shiro Tamanyu, Rie Morijiri, Yuki Sawada

5/17, 9:14–9:26, A003-002
YUREO: an analog experiment equipment for earthquake induced landslide
Youhei Suzuki, **Shintaro Hayashi**, Shuichi Sasaki

5/17, 9:26–9:38, A003-003
Learning of 'geological formation' for elementary schoolchildren by the Geological Museum, AIST: Overview and Drawing worksheets
Rie Morijiri, Yuki Sawada, Shiro Tamanyu

5/17, 9:38–9:50, A003-004
Collaborative educational activities with schools in the Geological Museum and Geological Survey of Japan
Yuki Sawada, Rie Morijiri, Shiro Tamanyu, other

5/17, 9:50–10:02, A003-005
What did the Schoolchildren's Summer Course in Seismology and Volcanology left 400 participants something?
Kazuyuki Nakagawa

5/17, 10:02–10:14, A003-006
The seacret of Kyoto : The 9th Schoolchildren's Summer Course in Seismology and Volcanology
Akiko Sato, Akira Sangawa, Kazuyuki Nakagawa Working group for Schoolchildren's summer course of seismology and volcanology

5/17, 10:14–10:30
Discussion -outreach activity for primary school students

5/17, 10:45–10:47
Introductory talk -educational problems

5/17, 10:47–11:07, *A003-007
The actual reality of formulating educational curriculum at high schools and the New Courses of Study
Akiyoshi Shibakawa

5/17, 11:07–11:19, A003-008
Development of teaching materials for geosciences in schools based on the next Japanese standard curriculum
Hiroo Nemoto, Shungo Kawagata, Masashige Minamishima, other

5/17, 11:19-11:31, **A003-009**

Survey on Observations and Experiments in Junior High Schools
Toshiko Takata, **Koichiro Saito**, Hiroaki Miura, other

5/17, 11:31-11:43, **A003-010**

Report2008 of Japan Earth Science Olympiad Committee
Yutaka Takigami, Ken-ichiro Hisada

5/17, 11:43-11:55, **A003-011**

Recent problems on training university students to be earth science teachers.
Norie Fujibayashi, Koichiro Fujimoto, Hiroyuki Hoshi, other

5/17, 11:55-12:15

Discussion ¾geoscience education problems

5/17, 13:45-13:47

Introductory talk ¾oureach activity to public

5/17, 13:47-13:59, **A003-012**

Geoscience for the university student support programme
Yusuke Katsurada

5/17, 13:59-14:11, **A003-013**

A survey of how high school students in Kobe feel about earthquakes(3).
Tatsuya Sugoshi

5/17, 14:11-14:23, **A003-014**

About the activity of The astronomical observatory Faculty of Education and Human Studies, Akita University in 2008 fiscal year
Shunji Mouri

5/17, 14:23-14:35, **A003-015**

Climate change observed at home
Masahisa Yanagisawa

5/17, 14:35-14:47, **A003-016**

Why do we have to reach out to the general public? -The liberal arts of disaster scientists-
Satoko Oki

5/17, 14:47-14:59, **A003-017**

Needs and Noises of Society in Outreach Programs of Earthquake Science
Hiromichi Tsuji, Kei Katsumata, Satoko Oki

5/17, 14:59-15:11, **A003-018**

Outreach activities using data-showcase system Dagik
Daiki Yoshida, Akinori Saito, mariko yano

5/17, 15:30-15:42, **A003-019**

The Courses on Satellite Image Analysis at Junior High and High Schools in Collaboration with JAXA
Masato Ohki, Takeo Tadono, Yukari Yui, other

5/17, 15:42-15:54, **A003-020**

University-side activities in a science educational project: in case of SSH consortium Kochi
Tomohisa Yamada, Satoshi Omae, Masa-yuki Yamamoto

5/17, 15:54-16:06, **A003-021**

Project MAGE: Visualization of Geomagnetism by Google Earth and Application to Education
Tadahiro Hatakeyama

5/17, 16:06-16:18, **A003-022**

SPP in Mito First High School of Ibaraki Prefecture The Theme of Geomagnetism and Paleomagnetism
Hidenori Aoki, Takeyuki Ueki, Toshitsugu Yamazaki, other

5/17, 16:18-16:30, **A003-023**

An activity of experience-based event
Tomoko Yuzuriha, Hideo Sakurai, Mayumi Hoshiba

5/17, 16:30-16:42, **A003-024**

Collaborative outreach projects with the Integrated Ocean Drilling Program

Tadashi Yoshizawa, Keita Umetsu, Atsushi Miyashita, other

5/17, 16:42-16:54, **A003-025**

Development of Observation System of Diurnal Motion of the Sun, 'ZENTEN'

Koichiro Saito, Toshiko Takata, Hiroaki Miura, other

5/17, 16:54-17:00,

Summary talk -oureach activity to public

**A003: (Geoscience Education and Outreach)
poster Convention Hall**

5/17, **A003-P001**

How to Teach the Earth System at School

Masaru Taga

5/17, **A003-P002**

Activities of Chigaku Tsutaetai (Earth Science for Everyone).

Akiyoshi Shibakawa, Shin Terado

5/17, **A003-P003**

One of outreach goods for earth science from GSJ - fossil chocolates

Rie Morijiri, Seiichi Toshimitsu, Makoto Saito, other

5/17, **A003-P004**

Recommendation of the First Geology -Dissemination of earth science of Fukada Geological Institute-

Masayo Fujita, Kiichiro Kawamura

5/17, **A003-P005**

Learning of 'geological formation' for elementary school children by the Geological Museum, AIST: Experiment of sedimentation

Yuki Sawada, Rie Morijiri, Shiro Tamanyu

5/17, **A003-P006**

Proposal for the Elementary School Science Class Function of Running Water Adopting Selective Sorting

Kumiko Sakairi, Ken-ichiro Hisada

5/17, **A003-P007**

The Continuous Science Research about the Experiment of Rock Weathering by Students.

nobuo komori

5/17, **A003-P008**

Topography and Geology of Tochigi, Estimated from Riverbed Pebbles; A Teaching Method for the Environmental Education

Kaori Kobayashi, Yoichi Nakamura

5/17, **A003-P009**

Questionnaire study on effectiveness of geological field observation for elementary school

Shuichi Sasaki, **Shintaro Hayashi**

5/17, **A003-P010**

Geologic map of the Higashi Izu monogenetic volcano field for tourists and local citizen

Masato Koyama

5/17, **A003-P011**

Field seminar for improvement of the volcano disaster prevention awareness in Ontake Volcano

Hiroshi Kishimoto, Yusuke Suzuki, Tatsuro Chiba, other

5/17, **A003-P012**

Hakone volcano made by 2520 people

Tomohiro Kasama, Hiroyuki Yamashita, Daiji Hirata, other

5/17, **A003-P013**

On the people's life at Tokyo after the 1923 Great Kanto Earthquake described in a diary by Tatsuzo Kajima

Masayuki Takemura

5/17, **A003-P014**

Report of educational practice to junior high school class for understanding ground motion

Nobuyuki Yamada

5/17, **A003-P015**

The cheapest simulator for characteristic vibrations, Vibranger 2009, by Dr. Avaranger
Yasuaki Nohguchi

5/17, **A003-P016**

School Yard Seismology -Demo, see, feel the 'quake' and 'wave'-
Satoko Oki, Hiromichi Tsuji, Kazuki Koketsu, other

5/17, **A003-P017**

Making of TSUNAMI pamphlet for school children in Indonesia and disaster prevention education 4 -Activity on the Lombok island-
Motohiko Shibayama, Musulim Dicky, Naoko Kagawa, other

5/17, **A003-P018**

Simulating the formation of erosion topography using Excel VBA: Sea Candles in Taiwan, and Dochu and Oninosentakuiwa in Japan
Hiroshi Shigeno, Shigeru Suto

5/17, **A003-P019**

SPP in Mito First High School of Ibaraki Prefecture The Theme of Geomagnetism and Pleomagnetism
Hidenori Aoki, Takeyuki Ueki, Toshitsugu Yamazaki, other

5/17, **A003-P020**

Earth Science event collaborated with art in Miraikan: Earth Lounge
Yuko Okayama, Nae Morita, Hideo Sakurai, other

5/17, **A003-P021**

Development of Meteorological Observation System 'TENKITORI' as Teaching Materials.
Koichiro Saito, Toshiko Takata

A004: (Geopark) oral Function Room B

5/17, 13:45-13:55, **A004-001**

Activity on Geoparks in Japan -The past, present and future
Mahito Watanabe

5/17, 13:55-14:15, **A004-002**

Geo park for natural conservation
Kuniyasu Mokudai

5/17, 14:15-14:35, **A004-003**

GEOtourism as ECOTourism: for understanding regions from viewpoints of 'GEO'.
Daichi Kohmoto

5/17, 14:35-14:55, **A004-004**

Collaboration between scientist and local residents through geo tour
Takeei Koizumi

5/17, 14:55-15:15, **A004-005**

Economic development of regional community and role of university-Case of Ibaraki University
Kazuo Amano

5/17, 15:30-15:42, **A004-006**

Coexistence between human and the ever-changing earth
Hiromu Okada

5/17, 15:42-15:54, **A004-007**

Community Building with Mt. Apoi Geopark
Yuiti Mizuno, **Takumi Harada**

5/17, 15:54-16:06, **A004-008**

Preparation for welcome people from abroad to Itoigawa Geopark
Ko Takenouchi

5/17, 16:06-16:18, **A004-009**

Introduction of Japanese Southern Alps Geopark along the Japan Median Tectonic Line
giopark minami-alps

5/17, 16:18-16:30, **A004-010**

The San'in Coast Geo Park: A Museum of Terrain and Geology

Muneharu Nakagai

5/17, 16:30-16:42, **A004-011**

Muroto Geopark -a frontier of the birth of a new habitable land-

Kenji Komatsu

5/17, 16:42-16:54, **A004-012**

The Unzen Volcanic Area Geopark: A new approach of regional development though Geopark

Shinichi Sugimoto

5/17, 16:54-17:00

Discussion

**A004: (Geopark)
poster Convention Hall**

5/17, **A004-P001**

How to establish geopark?

Mahito Watanabe

5/17, **A004-P002**

The present condition of Japanese Geoparks

Michiko Yajima

5/17, **A004-P003**

SELECTED GEOATTRactions FROM A BACKGROUND OF GEOLOGICAL INFORMATION IN THE GNEISS-MIGMATITE COMPLEX OF SOWIE MOUNTAINS, SW POLAND

Dorota Anna Kapuscik

5/17, **A004-P003**

Toya Caldera and Usu Volcano Geopark 'Coexistence between human and the ever-changing earth'

Hisashi Kimura

5/17, **A004-P004**

Aspirations of Nature Education in Samani

Youiti Mizuno, Takumi Harada

5/17, **A004-P005**

Let's dig up Geoheritage : We are advertising for 100 geosites in Hokkaido!

Jun Tajika, Kiyoyuki Shigeno, Ishii Masayuki Hokkaido geosites examination group

5/17, **A004-P006**

Possibilities of Mt. Bandai and its surrounding areas becoming a Geopark

Hiroshi Sato

5/17, **A004-P007**

Attempt to utilize of geological information for sightseeing aiming at economic development-Example of Geo-tour-

Haruna Takimoto, Jun Hosoi, Takayuki Okamoto, other

5/17, **A004-P008**

Attempt to develop and utilize geological information aiming at economic development-Aiming at establishment of Geopark-

Jun Hosoi, Haruna Takimoto, Takayuki Okamoto, other

5/17, **A004-P009**

Odawara Hakone Geopark design around the Hakone volcano

Daiji Hirata, Yasuji Saito, Masaki Takahashi

5/17, **A004-P010**

Recent efforts on construction of San-in-Shimane Geopark

Masahide Akasaka, Akira Takasu, Hiroki Hayashi

5/17, **A004-P011**

Let us enjoy Geo-Tetsu - a proposal of Geo-tours through Train Windows (First proposal of its course, JR Dosan Line in Shikoku)

Hironori Kato, Masayo Fujita, Shunji Yokoyama

5/17, **A004-P012**

Geopark activity in Aso caldera area, Kumamoto Prefecture
shinichiro ikebe

5/17, **A004-P013**

Report on Geopark guide training course in Unzen volcanic area geopark
Mika Egoshi, Shinichi Sugimoto, Daisuke Yoshida

5/17, **A004-P014**

The preservation of geological sites and educational Outreach in the the Unzen Volcanic Area Geopark
Daisuke Nagai

5/17, **A004-P015**

Working on 'Amakusa Geopark'
Hiroaki Ugai, Koji Hirose, Yoshitaka Hase

U051: (Graduate school education and career path) oral IC

5/16, 10:45-11:07, **U051-001**

Situation on the young researchers in Earth and Planetary Sciences in Japan: based on survey for universities.
Eiichi Takahashi

5/16, 11:07-11:29, ***U051-002**

Education in the graduate course at the University of Tokyo and career choice
Kazuhito Ozawa

5/16, 11:29-11:51, ***U051-003**

On the education of graduate school students and young scientists: approaches of Department of CosmoSciences, Hokkaido university
Kiyoshi Kuramoto

5/16, 11:51-12:13, ***U051-004**

Career path at Research Institution of the Independent Administrative Agency: their relation to postdoc problems
Hiroshi Kitazato

5/16, 13:45-14:30, **U051-005**

Postdoctoral issues in geoscience community: reports and propositions
Kurita Kei JPGU Career Support Committee PD Section

5/16, 14:30-14:55, ***U051-006**

On the measures taken in physics community for promoting careers of postdoctoral researchers
Izumi Tsutsui

5/16, 14:55-15:20, ***U051-007**

Post-doctor problem: From a career guidance perspective
Hideo Shimomura

5/16, 15:20-15:30

Discussion and Summary -post-doctoral problems

5/16, 15:45-16:10, ***U051-008**

"Career strategy as the technology oriented enterprise"
Osamu Osawa

5/16, 16:10-16:35, ***U051-009**

Business must expect ability of doctor holder -a personal opinion-
Tomio Shinke

5/16, 16:35-17:00, ***U051-010**

What is successful job hunting for graduate students of science?
nobunaga hayashi

U052: (Future of Earth and Planetary Science) oral IC

5/19, 9:00-9:30

Introductory talk

5/19, 09:30-10:00, ***U052-001**

Future of Space and Planetary Sciences

Hiroko Nagahara, Masato Nakamura, Shigeru Ida

5/19, 10:00-10:30, ***U052-002**

Toward a New Initiative for the Atmosphere, Ocean, and Environmental Sciences

Teruyuki Nakajima

5/19, 10:45-11:15, ***U052-003**

Toward establishing a new paradigm of geo-humanosphere science

Atsuyuki Okabe, Yukio Himiyama, Tetsuzo Yasunari

5/19, 11:15-11:45, ***U052-004**

The future of the Section of Solid Earth Sciences

Toshitsugu Fujii, Akira Hasegawa, Tanio Ito

5/19, 11:45-12:15, ***U052-005**

Biogeosciences: Earth and planetary sciences approaching with biological point of view

Hiroshi Kitazato

5/19, 13:45-14:15, ***U052-006**

Mission of Earth Planetary Science

Takafumi Matsui

5/19, 14:15-14:45, ***U052-007**

Promotion of basic research and education of liberal arts

Asahiko Taira

5/19, 14:45-15:15, ***U052-008**

How to deliver research outcomes to the world

Toshio Yamagata

5/19, 15:30-16:00, ***U052-009**

Strong linkage between JpGU and SCJ is a key to promote the earth and planetary science in Japan

Gaku Kimura

5/19, 16:00-17:00

Discussion

U053: (To be described later)

oral IC

5/20, 10:45-11:15, ***U053-001**

Projection of the change in future weather extremes

Akio Kitoh

5/20, 11:15-11:45, ***U053-002**

CLIMATE2030: A Japanese Project for Decadal Climate Prediction

Masahide Kimoto

5/20, 11:45-12:15, ***U053-003**

Long-Term Projection of Global Warming using an Earth System Model

Michio Kawamiya

5/20, 13:45-14:15, ***U053-004**

Simulating land-atmosphere feedbacks in the earth climate system: recent progress in a dynamic vegetation model

Takeshi Ise

5/20, 14:15-14:45, ***U053-005**

Future projection using an integrated marine ecosystem model linking climate change with fish resources

Yasuhiro Yamanaka

5/20, 14:45-15:15, ***U053-006**

Toward precise projection and assessment of future ocean changes

Hiroyasu Hasumi

5/20, 15:30-16:00, ***U053-007**

Climate study using the Global Cloud Resolving Model - Cloud microphysics and climate sensitivity -

Masaki Satoh

5/20, 16:00-17:00

Discussion

U054: (Paleo-sciences and global change) oral 302

5/18, 9:00-9:30, ***U054-001**

The role of paleoenvironmental studies for the global change prediction - Lessons from last 1000 years

Takeshi Nakatsuka

5/18, 9:30-10:00, ***U054-002**

Global climatic variations on the timescales of 1,000 to 100,000 years - Anthropogenic climate change viewed from ice ages

Kenji Kawamura

5/18, 10:00-10:30, ***U054-003**

Paleoclimate modeling on various time scales

Masakazu Yoshimori, Ayako Abe-Ouchi

5/18, 10:45-11:15, ***U054-004**

Empirical constrains of changes in sea level during the current interglacial

Yusuke Yokoyama

5/18, 11:15-11:45, ***U054-005**

Modelling the ice age termination and its implication for the future projection of sea level change

Ayako Abe-Ouchi

5/18, 11:45-12:15, ***U054-006**

Ocean acidification; estimation from paleoen to future environments

hodaka kawahata

5/18, 13:45-14:07, ***U054-007**

Orbital to millennial-scale variability of Asian Monsoon and its potential significance to global climate

Ryuji Tada

5/18, 14:07-14:19, ***U054-008**

East Asian Monsoon variability reconstructed from coral and speleothem records: a review

Atsushi Suzuki

5/18, 14:19-14:31, ***U054-009**

Modeling of the past and present Monsoon and ENSO

Akio Kitoh

5/18, 14:51-15:15, ***U054-010**

Compound-specific nitrogen isotopic record for reconstructing biogeochemical processes in the paleocean

Naohiko Ohkouchi

5/18, 15:30-15:52, ***U054-011**

Ocean circulation changes in the North Pacific after the Last Glacial Maximum

Yusuke Okazaki, Naomi Harada

5/18, 15:52-16:14, ***U054-012**

Modelling the deep ocean circulation at the Last Glacial Maximum

Akira Oka, Ayako Abe-Ouchi

5/18, 16:14-16:36, ***U054-013**

Vegetation response to abrupt climate changes

Hikaru Takahara, Ryoma Hayashi

5/18, 16:36-17:00

Discussion

U054: (Paleo-sciences and global change) poster Convention Hall

5/18, **U054-P001**

South Asian monsoon variability during the past 800 kyr revealed by rock magnetic proxies
Yusuke Suganuma, Toshitsugu Yamazaki, Toshiya Kanamatsu

5/18, **U054-P002**

Siderite formation rhythm of the lacustrine Takano Formation from MIS 3 to MIS 6, Nagano City, central Japan
Takuma Ito, Tatsuhiko Sakamoto, Koichi Iijima, other

B101: (Life-Water-Mineral Interactions) oral Function Room A

5/17, 15:30-15:45, ***B101-001**

Recent progresses and future directions of life-water-mineral interactions
Yohey Suzuki

5/17, 15:45-16:00, ***B101-002**

Toward the understanding of interfaces controlling mineral-water-organic interactions
Satoru Nakashima, Norio Kitadai, Takahiro Otsuka, other

5/17, 16:00-16:15, **B101-003**

Formation of Paleoproterozoic laterite through interactions among minerals, fluids, and life
Kosei E. Yamaguchi

5/17, 16:15-16:30, **B101-004**

OCS-rich Archean atmosphere
Yuichiro Ueno, Sebastian Danielache, Naohiro Yoshida

5/17, 16:30-16:45, ***B101-005**

Atmospheric oxygen rise in the Paleoproterozoic
Takashi Murakami, Bulusu Sreenivas

5/17, 16:45-17:00, **B101-006**

Is truly hyperalkaline seafloor microbial ecosystem present in serpentinized-formation fluid?
Ken Takai

5/18, 9:00-9:15, **B101-007**

Archean CO₂ flux from ocean to oceanic crust; estimate from hydrothermal carbonatization at an Archean mid-ocean ridge
Takazo Shibuya, Miyuki Tahata, Yuichiro Ueno, other

5/18, 9:15-9:30, **B101-008**

Geochemistry of 1.9 Ga sedimentary rocks of the Gunflint Formation, Canada: Oceanic environments and unique biological activities
Akizumi Ishida, Masahiro Oba, Takeshi Kakegawa

5/18, 9:30-9:45, **B101-009**

A New Surface Reaction Model for Anomalous Fractionation of Sulfur Isotopes
Tsubasa Otake, Antonio C. Lasaga, Yumiko Watanabe, other

5/18, 9:45-10:00, **B101-010**

Domain-level classification of fossil and extant prokaryotes using micro-FTIR spectroscopy
Motoko Igisu, Yuichiro Ueno, Ken Takai, other

5/18, 10:00-10:15, **B101-011**

Highly saline Palaeoproterozoic seawater inferred from fluid inclusions in 2.4 Ga Ongeluk Formation: Evidence for hard snowball?
Takuya Saitou, Takazo Shibuya, Tsuyoshi Komiya, other

5/18, 10:15-10:30, **B101-012**

Importance of sulfur compounds as electron carriers in evolution of energy metabolism
Masahiro Yamamoto, Ken Takai

5/18, 10:45-11:00, **B101-013**

Framboidal pyrite as a biomarker in geological samples
Takeshi Kakegawa

5/18, 11:00-11:15, **B101-014**

The relationship between microbial sulfur isotope fractionation and temperature
Fumihiko Matsuura

5/18, 11:15-11:30, ***B101-015**

Self-Organized Electrically Conductive Bacterial Networks

Ryuhei Nakamura, Kazuhito Hashimoto

5/18, 11:30-11:45, **B101-016**

Nitrogen isotopic compositions of amino acids from microorganisms as a tool for studying microbial processes

Yasuhiko T. Yamaguchi, Yoshinori Takano, Yoshito Chikaraishi, other

5/18, 11:45-12:00, **B101-017**

Retrieval of fossil DNA from thermophilic bacteria in deep subsurface rocks by a newly developed DNA extraction method.

Mariko Kouduka, Takeshi Suko, Kazumasa Ito, other

5/18, 12:00-12:15, **B101-018**

Effect of pH on the polymerization rate of an amino acid

Kasumi Sakata, Norio Kitadai, Satoru Nakashima

5/18, 13:45-14:00, **B101-019**

Earth engineering technology learnt from low temperature present-day-serpentinization

Tsutomu Sato

5/18, 14:00-14:15, **B101-020**

Serpentinization of peridotite in the Central Indian Ridge: implications for H₂ production process during serpentinization

Motoko Yoshizaki, Takazo Shibuya, Soichi Omori, other

5/18, 14:15-14:30, ***B101-021**

Role of microbial activity on the formation of arsenic contaminated groundwater in the Ganges delta plain

Harue Masuda, Ashraf Ali Seddique

5/18, 14:30-14:45, **B101-022**

Magma to Molecules: Simulation of Abiotic Organic Synthesis at Mid-Ocean Seafloor Hydrothermal Systems

John R. Holloway

5/18, 14:45-15:00, **B101-023**

Impact of phase separation of hydrothermal fluids on chemolithoautotrophic microorganisms in seafloor hydrothermal systems

Kentaro Nakamura, Ken Takai

5/18, 15:00-15:15, **B101-024**

Trioctahedral smectite formed within sedimentary layer around the active hydrothermal vent, in Kagoshima Bay, South Kyushu, Japan

Youko Miyoshi, Junichiro Ishibashi, Seiya Matsukura, other

5/18, 15:30-15:45, **B101-025**

Mineralogy of the hydrothermal chimneys and the mounds in the northern part of Kagoshima bay

Kotaro Maeto, Hitoshi Chiba, Junichiro Ishibashi, other

5/18, 15:45-16:00, **B101-026**

Nanoscale phenomena in the interaction between apatite and aqueous Pb

Eigo Kamiishi, Satoshi Utsunomiya

5/18, 16:00-16:15, **B101-027**

Formation process of Ce(IV) phase in the redox gradient in weathered granite

Yoshio Takahashi, Masaharu Tanimizu

5/18, 16:15-16:30, **B101-028**

Modeling the transformation rate of ferrihydrite to goethite and hematite

Katsuhiko Tsukimura, Masaya Suzuki, Yohey Suzuki, other

5/18, 16:30-16:45, **B101-029**

XAFS study on the solubilities into seawater and the enrichment mechanisms into ferromanganese nodules for molybdenum and tungsten

Teruhiko Kashiwabara, Yoshio Takahashi

5/18, 16:45-17:00, **B101-030**

Life-Metal project: investigating the correlation between microbial usage and environmental content of heavy metals.

Junichi Miyazaki

B101: (Life-Water-Mineral Interactions)
poster Convention Hall

5/18, **B101-P001**

Electrochemical Cultivation Forms Porous-Structural Biofilm
Akihiro Okamoto, Ryuhei Nakamura, Kazuhito Hashimoto

5/18, **B101-P002**

Bacterial symbiosis forming lamination of iron-rich deposits in hot spring
Chizuru Takashima, Tomoyo Okumura, Shin Nishida, other

5/18, **B101-P003**

Microbial influence on manganese precipitation process in the Sanbe hot spring, Shimane Prefecture
Atsushi Sakamoto, **Junichiro Ishibashi**, Keiko Sasaki

5/18, **B101-P004**

Adsorption of phthalic acid on goethite surface as studied by infrared spectroscopy and surface complexation modeling
Yushi Shushi, Norio Kitadai, Tadashi Yokoyama, other

5/18, **B101-P005**

Approaches to estimate alteration age and temperature of bentonite
hiroshi yamada, Noriko Hasebe, Keisuke Fukushi

5/18, **B101-P006**

Surface speciation of sulfate at a water-ferrhydrite interface
Kazuki Aoyama, Takahiro Nagata, Keisuke Fukushi

5/18, **B101-P007**

Solubility measurement of monohydrocalcite; Monohydrocalcite is 3rd stable calcium carbonate at lower temperature.
Takashi Munemoto, Keisuke Fukushi

5/18, **B101-P008**

Iron-bentonite interactions found in bentonite deposits
Tomonori Sugiura, **Keisuke Fukushi**, Tomoaki Morishita

5/18, **B101-P009**

Arsenate uptake by monohydrocalcite
Minoru Sakai, Takashi Munemoto, Keisuke Fukushi

B102: (Biotic History)
oral 301B

5/20, 10:45-11:00, **B102-001**

Molecular evidence of the earliest photosynthetic life and the biogeochemical cycles in the Archean
Yuichiro Kashiyama, Yoshito Chikaraishi, Linda Godfrey, other

5/20, 11:00-11:15, **B102-002**

The Ediacaran oceanic environment: Pb-Pb isochron, REE abundance and Sr isotope ratio on the Altai limestone
Susumu Nohda, Yuko Uchio, Yukio Isozaki, other

5/20, 11:15-11:30, **B102-003**

The lowest Cambrian SSF biostratigraphy in the Maotianshan section, Chengjiang, South China
Tomohiko Sato, Yukio Isozaki, Tsuyoshi Komiya, other

5/20, 11:30-11:45, **B102-004**

The latest Ordovician Event of the Yangtze Platform in South China based on the carbon isotope profiles
Yusuke Setsuda, Hiromi Kotani, Ryo Matsumoto

5/20, 11:45-12:00, **B102-005**

Illawarra Reversal: The fingerprint of a superplume that triggered Pangean breakup and the G-LB (Permian) mass extinction
Yukio Isozaki

5/20, 12:00-12:15, **B102-006**

Panthalassic oceanic anoxia at the end of the Early Triassic after the end-Permian mass extinction
Satoshi Takahashi, Masahiro Oba, Kunio Kaiho, other

5/20, 13:45-14:00, **B102-007**

Fluctuations in benthic redox condition through the Cretaceous ocean anoxic event indicated by the bioturbation intensity

Ko Nifuku, Tatsuhiko Sakamoto, Koichi Iijima, other

5/20, 14:00-14:15, **B102-008**

Photic Zone Anoxia/Euxinia and Marine Biogeochemical Cycles Deduced from a One-Dimensional Marine Biogeochemical Cycle Model

Kazumi Ozaki, Eiichi Tajika

5/20, 14:15-14:30, **B102-009**

Distribution and dynamics of anoxic water mass in Beppu bay: Establishing TEX86 paleothermometry in the modern coastal sea

Kazuyoshi MORIYA, Michinobu Kuwae, Masanobu Yamamoto, other

5/20, 14:30-14:45, **B102-010**

Formation of stromatolitic structures by in vitro cyanobacteria culturing

Atsushi Yamamoto, Yukio Isozaki

5/20, 14:45-15:00, **B102-011**

Pattern of terrace lines of the trilobite species *Nileus armadillo*.

Yutaro Suzuki

5/20, 15:00-15:15, **B102-012**

Paleoecology of primitive ichthyopterygians suggested by bone histology

Yasuhisa Nakajima

5/20, 15:30-15:45, **B102-013**

Adaptive morphology of spiriferides for generation of passive feeding flows

Yuta Shiino, Osamu Kuwazuru, Nobuhiro Yoshikawa

5/20, 15:45-16:00, **B102-014**

Mesowear analysis for cheek teeth of Ungulate fossils from Kenya and reconstruction of the Late Miocene paleoenvironments

Hideo Nakaya, Kevin Uno, Yutaka Kunitatsu, other

5/20, 16:00-16:15, **B102-015**

Relationship between beach-face gradient and distribution width of modern *Macaronichnus segregatis*-trace

Koji Seike

5/20, 16:15-16:30, **B102-016**

Utility of mitochondrial gene orders for the inference of broad and deep animal phylogeny

Kazuyoshi Endo, Isao Sarashina

5/20, 16:30-16:45, **B102-017**

Two new carbonic anhydrases from the gastropod *Haliotis gigantea*: Implications for the evolution of molluscan shells

Isao Sarashina, Kazuyoshi Endo

5/20, 16:45-17:00, **B102-018**

Molecular Evolution of the Shell Matrix Protein Aspein in Pteriod Bivalves

Yukinobu Isowa, Naoki Yokoo, Isao Sarashina, other

B102: (Biotic History) poster Convention Hall

5/19, **B102-P001**

Mesozoic Marine Revolution: Exemplified from foraminifera

Hiroshi Kitazato

5/19, **B102-P002**

Recovery of the ocean environment in the aftermath of the K/T boundary event deduced from a marine carbon cycle model

Kei Endo, Eiichi Tajika, Kazumi Ozaki

5/19, **B102-P003**

Paleoceanographic changes of the Japan Sea during the last 12 m.y. based on the radiolarian analysis

Shin-ichi Kamikuri, Isao Motoyama, Yukio Yanagisawa

5/19, **B102-P004**

Reconstruction of the Kuroshio and Continental Coastal Diluted Waters during the last 20 kyrs in the Northern East China Sea

Miho Fukuda, Isao Motoyama, Takuya Itaki, other

5/19, **B102-P005**

Degradation process of organic matter by benthic communities at the oxygen minimum zone of the Arabian Sea

Hidetaka Nomaki, Hisami Suga, Kentaro Inoue, other

5/19, **B102-P006**

Development of oyster reef and its associated community in the Sanbanze tidal flat -Focusing on bivalves and benthic foraminiferas

Takashi Kubo

5/19, **B102-P007**

Evolutionary ecology of Gromia

Hiroyuki Yamamoto, Hiroshi Kitazato, Takashi Toyofuku, other, **Masashi Tsuchiya**

5/19, **B102-P008**

Internal environmental control within Foraminifera through calcification

Takashi Toyofuku, Lennart de Nooijer, Hidetaka Nomaki, other

5/19, **B102-P009**

The Raupian manifold

Takao Ubukata

B103: (Astrobiology)

oral 301B

5/21, 9:00-9:02

Introductory talk

5/21, 9:02-9:20, ***B103-001**

Chemical evolution in molecular clouds by surface atomic reactions at low temperatures

Akira Kouchi, Naoki Watanabe, Hiroshi Hidaka, other

5/21, 9:20-9:33, **B103-002**

Near-infrared and wide-field circular polarimetry of the Orion nebula and homochirality of life

Tsubasa Fukue, Motohide Tamura, Ryo Kandori, other

5/21, 9:33-9:46, **B103-003**

Amino acid analysis of the Murchison meteorite irradiated by circular-polarized UV light

Yoshie Nishimura, **Hiroshi Naraoka**, Tomoya Ogawa, other

5/21, 9:46-10:04, ***B103-004**

UV irradiation of pyrimidine mixed in ices of astrophysical interest: Formation of nucleobases and other pyrimidine derivatives

Michel Nuevo

5/21, 10:04-10:17, **B103-005**

Possibility for the formation of organic hollow globules around evolved stars

Midori SAITO, Yuki Kimura

5/21, 10:17-10:30, **B103-006**

Spectropolarimetric Observation of Earthshine

Jun Takahashi, Yoichi Itoh, makoto sakamoto, other

5/21, 10:45-11:03, ***B103-007**

Mars and Astrobiology: Recent Exploration and Observation

Sho Sasaki

5/21, 11:03-11:21, ***B103-008**

Where do we go for life: Europa, Tian or Enceladus?

Takeshi Naganuma

5/21, 11:21-11:34, **B103-009**

Complex organics formed in Titan atmosphere and their astrobiological significance

Kensei Kobayashi, Toshinori Taniuchi, Tomohiro Hosogai, other

5/21, 11:34-11:47, **B103-010**

Organic molecules synthesis by impact reactions among meteoritic minerals, water, and nitrogen
Yoshihiro Furukawa, Toshimori Sekine, Masahiro Oba, other

5/21, 11:47-12:00, **B103-011**

Experiments of formations of inorganic carbonates and nano-bacteria-like textures for application extra-terrestrial bodies

Yasunori Miura

5/21, 12:00-12:03, **B103-012**

Effects of pressure, temperature, reaction time and clay mineral on the polymerization of glycine-methionine mixture system

Hiroto Takahashi, Takeshi Kakegawa

5/21, 12:03-12:06, **B103-013**

Formation of precursors for biomolecules in post-impact plume on the early Earth

Taro Samejima, Yoshihiro Furukawa, Takeshi Kakegawa

5/21, 12:06-12:09, **B103-014**

Solid state peptide formation from valine under high P and T conditions: Implications for the chemical evolution in the crust

Takato Ishiguro, Yoshihiro Furukawa, Shohei Ohara, other

5/21, 12:09-12:12, **B103-015**

Experimental studies on formation of complex amino acid precursors in molecular clouds by cosmic rays

Takuya Motoyama, Toshinori Taniuchi, Satoshi Yoshida, other

5/21, 12:12-12:15, **B103-016**

Decomposition of amino acids by irradiation of circularly-polarized ultraviolet light

Soichiro Shima, Takatsugu Suzuki, Takeo Kaneko, other

5/21, 13:45-13:58, **B103-017**

Search for microbes at high atmosphere

Akihiko Yamagishi, Yinjie Yang, Shin-ichi Yokobori, other

5/21, 13:58-14:11, **B103-018**

Space exposure experiments of microorganisms as a part of TANPOPO - Astrobiology Exposure and Micrometeoroid Capture Experiments

Shin-ichi Yokobori, Yinjie Yang, Kenta Fujisaki, other

5/21, 14:11-14:24, **B103-019**

Links between Paleoproterozoic glaciations and the Great Oxidation Event

Yasuhito Sekine, Eiichi Tajika, Katsuhiko Suzuki, other

5/21, 14:24-14:37, **B103-020**

The ancient life inferred from genome information

Akihiko Yamagishi

5/21, 14:37-14:50, **B103-021**

Germination under Extreme Hypobaric and Hypoxic Condition

Hirofumi Hashimoto

5/21, 14:50-15:03, **B103-022**

Report on the Astrobiology Class at a primary school

Satoshi Kasahara, Maki Murayama, Norio Narita, other

5/21, 15:03-15:06, **B103-023**

Preliminary experiments for capture of cosmic dusts in Earth orbit and analysis of amino acids in them

Hidehiko Fushimi, Kenta Fujisaki, Takeo Kaneko, other

5/21, 15:06-15:09, **B103-024**

Bacterial survival in response to desiccation and high humidity at above zero and subzero temperatures

Yinjie Yang, Shin-ichi Yokobori, Akihiko Yamagishi

5/21, 15:09-15:12, **B103-025**

Variations of isotopic composition of organic carbon during the Great Oxidation Event

Yasuhito Sekine, Naohiko Ohkouchi, Nanako, O. Ogawa, other

5/21, 15:12-15:15, **B103-026**

Amino acids and phosphatase activity in Antarctic soil samples near Showa base

Masashi Hara, Kazuki Naganawa, Shuji Sato, other

**B103: (Astrobiology)
poster Convention Hall**

5/20, **103-P001**

Effects of pressure, temperature, reaction time and clay mineral on the polymerization of glycine-methionine mixture system

Hiroto Takahashi, Takeshi Kakegawa

5/20, **103-P002**

Formation of precursors for biomolecules in post-impact plume on the early Earth

Taro Samejima, Yoshihiro Furukawa, Takeshi Kakegawa

5/20, **103-P003**

Solid state peptide formation from valine under high P and T conditions: Implications for the chemical evolution in the crust

Takato Ishiguro, Yoshihiro Furukawa, Shohei Ohara, other

5/20, **103-P004**

Experimental studies on formation of complex amino acid precursors in molecular clouds by cosmic rays

Takuya Motoyama, Toshinori Taniuchi, Satoshi Yoshida, other

5/20, **103-P005**

Decomposition of amino acids by irradiation of circularly-polarized ultraviolet light

Soichiro Shima, Takatsugu Suzuki, Takeo Kaneko, other

5/20, **103-P006**

Preliminary experiments for capture of cosmic dusts in Earth orbit and analysis of amino acids in them

Hidehiko Fushimi, Kenta Fujisaki, Takeo Kaneko, other

5/20, **103-P007**

Bacterial survival in response to desiccation and high humidity at above zero and subzero temperatures

Yinjie Yang, Shin-ichi Yokobori, Akihiko Yamagishi

5/20, **103-P008**

Variations of isotopic composition of organic carbon during the Great Oxidation Event

Yasuhito Sekine, Naohiko Ohkouchi, Nanako, O. Ogawa, other

5/20, **103-P009**

Amino acids and phosphatase activity in Antarctic soil samples near Showa base

Masashi Hara, kazuki Naganawa, Shuji Sato, other

**B201: (Evolution of Chemosynthetic Community)
oral 101**

5/19, 13:45-14:00, **B201-001**

Methane-seep molluscan community controlled by subbottom structure in the Middle Miocene Bessho Formation, central Japan

Takami Nobuhara, Yuki Ohtori

5/19, 14:00-14:15, **B201-002**

A cold-seep assemblage associated with authigenic carbonates from The Pliocene Urago Formation, Kazusa Group, Japan

Masayuki Utsunomiya, Kiminori Taguchi, Ryuichi Majima, other

5/19, 14:15-14:30, **B201-003**

Comparison between chemosynthetic bivalve *Mesolinga soliditesta* and lucinids from the Pleistocene Nojima Fm. in Yokohama City

Rei Nakashima, Nozomi Otake, Ryuichi Majima, other

5/19, 14:30-14:45, **B201-004**

Shell structure of chemosynthetic bivalve, *Conchocele bisecta*

Kozue Nishida, Rei Nakashima, Ryuichi Majima, other

5/19, 14:45-15:00, **B201-005**

Whale falls: an evolutionary stepping stone for the introduction of chemo-symbiotic invertebrates to vent and seep environments

Masaru Kawato, Yoshihiro Fujiwara

5/19, 15:00-15:15

Discussion for topics on the first half

5/19, 15:30-15:45, **B201-006**

Stable carbon and oxygen isotopes in the shell of deep-sea mussels

Tamano Omata, Hiroyuki Yamamoto, Shinji Tsuchida, other

5/19, 15:45-16:00, **B201-007**

Isotopic diagnoses of the clam and the tubeworm from oceanic chemosynthetic communities around Hatsushima, Sagami-Bay, Japan

Yasuhiko T. Yamaguchi, Yoshito Chikaraishi, Nanako, O. Ogawa, other

5/19, 16:00-16:15, **B201-008**

Turrid snail *Phymorhynchus buccinoides* relies on seep mussel *Bathymodiolus platifrons* in Sagami Bay

Katsunori Fujikura, Hiromi Watanabe, Gin Kinoshita, other

5/19, 16:15-16:30, **B201-009**

Adaptive strategy in a hydrothermal-vent gastropod *Oenopota ogasawarana*

Yu Nakano, Hiromi Watanabe, Katsunori Fujikura, other

5/19, 16:30-16:45, **B201-010**

Similarity among the animal communities associated with hydrothermal vents and methane seeps around Japan

Hiromi Watanabe, Katsunori Fujikura, Shigeaki Kojima

5/19, 16:45-17:00

Discussion for topics on the second half

B201: (Evolution of Chemosynthetic Community) no-poster Convention Hall

C104: (Solid Earth Geochemistry, Cosmochemistry) oral 301A

5/19, 13:45-14:03, **C104-001**

Material change of carbon- and chlorine-bearing states and its application

Yasunori Miura

5/19, 14:03-14:21, **C104-002**

Elemental and isotopic abundances of lithium in chondrule constituents in the Allende meteorite

Seiji Maruyama, Tak Kunihiro, Eizo Nakamura

5/19, 14:21-14:41, ***C104-003**

A Chondrule Formation Theory: Shock-Wave Heating Model

Taishi Nakamoto, Hitoshi Miura

5/19, 14:41-14:57, **C104-004**

Temporal isotopic variation of a superplume: evidence from Hotta and Bosei seamounts in the northwestern Pacific

Gen Shimoda, Osamu Ishizuka, Katsuyuki Yamashita, other

5/19, 14:57-15:15, **C104-005**

Relationship between grain boundary diffusion coefficient and grain boundary enrichment factor

Takehiko Hiraga, Isao Sakaguchi, Naoki Oohasi, other

5/19, 15:30-15:46, **C104-006**

Os isotope of primitive magma of high-Mg andesite in the Setouchi volcanic belt: recycled Os vs shallow crustal assimilation

Katsuhiko Suzuki, Ryoko Senda, Kenji Shimizu, other

5/19, 15:46-16:03, **C104-007**

Origin of picritic basalts in arc settings implied from Os isotopes of Cr-spinels & whole-rocks from Kume-jima, central Ryukyu arc

Ryoko Senda, Katsuhiko Suzuki, Kenji Shimizu, other

5/19, 16:03-16:20, **C104-008**

Platinum-group elements in the oceanic mantle beneath the Ontong Java Plateau

Akira Ishikawa, D. Graham Pearson, Christopher W. Dale

5/19, 16:20-16:40, ***C104-009**

The petit-spot volcanoes on the flexed plate in the world

Naoto Hirano

5/19, 16:40-17:00, ***C104-010**

Temperatures and water content of the stagnant slab beneath the Philippine Sea

Daisuke Suetsugu, Masayuki Obayashi, Toru Inoue, other

C104:(Solid Earth Geochemistry, Cosmochemistry) poster Convention Hall

5/19, **C104-P001**

Al-Mg dating of a meteorite by using NanoSIMS

Yuji Sano, Naoto Takahata, naoji sugiura, other

5/19, **C104-P002**

An Ion Microprobe Study of Chromium-54 Anomalies in Carbonaceous Chondrites

Wataru Fujiya, naoji sugiura, Hajime Hiyagon, other

5/19, **C104-P003**

Granitic asteroid collided with the parent body of Muonionalusta iron meteorite

Kenji Furuya, Hirokazu Fujimaki

5/19, **C104-P004**

Tungsten isotopes and concentrations in the Cretaceous - Tertiary (K-T) boundary samples at Stevns Klint, Denmark.

Asako Takamasa, Shun'ichi Nakai, Yoshiro Nishio, other

5/19, **C104-P005**

Pt-Re-Os partitioning between solid and liquid metal in the Fe-Ni-S system

Hiromi Hayashi, Eiji Ohtani, Hidenori Terasaki, other

5/19, **C104-P006**

New decompositional method of silicate rocks by flux free fusion

Kenji Shimizu, Qing Chang, Kentaro Nakamura

5/19, **C104-P007**

Stable isotopic compositions of Eu and Sr in igneous rocks

Shigeyuki Wakaki, Hiroshi Tanaka, Daisuke Katoh, other

5/19, **C104-P008**

Origin of natural polycrystalline diamond (carbonado) inferred from the inclusions in the diamond crystals

Haruko Sakurai, Hiroyuki Kagi, Hirochika Sumino, other

5/19, **C104-P009**

Developing micro-Raman mass spectrometry for measuring carbon isotopic composition of SiC

Yu Yamaguchi, Hidemi Ishibashi, Hiroyuki Kagi

5/19, **C104-P010**

Solid Solubility Limit of Argon in Synthetic Polycrystalline Forsterite.

Sanae Koizumi, Hirochika Sumino, Takehiko Hiraga, other

5/19, **C104-P011**

Heterogeneous noble gas compositions in subcontinental lithospheric mantle (SCLM) beneath Eastern Australia

Gyorgy Czuppon, Takuya Matsumoto, Jun-ichi Matsuda

C105:(Geochemistry of fault systems) oral 101

5/19, 10:45-11:00, ***C105-001**

Expectation of 'Geochemistry of fault systems

Naoji Koizumi

5/19, 11:00-11:15, **C105-002**

Deep originated (mantle-derived) CH₄ release by fracturing of rock obtained from Miyagawa shallow drilled core in Atotsugawa Fault

Tomohiko Saito, Hidemi Tanaka

5/19, 11:15-11:30, **C105-003**

Physicochemical characteristics of gouge and the inter-particle bonding

Koichi Nakagawa

5/19, 11:30-11:45, ***C105-004**

Long-distance effect of geochemical precursors at Nagashima spa for a M=5.5 event in central Mie and 2001 Tokai slow slip

Iwao Kawabe

5/19, 11:45-12:00, **C105-005**

Characteristics and mass transfer of fault gouges in the latest slip plane of the Atera fault zone, central Japan

Tomoyuki Ohtani, Kouichirou Morikawa, Satoru Kojima

5/19, 12:00-12:15, **C105-006**

Structure of the fault zone by logging in a borehole of the Neodani fault Midori drilling site

Tatsuo Matsuda, Kentaro Omura

C105:(Geochemistry of fault systems)

poster Convention Hall

5/18, **C105-P001**

Correlation between Radon Concentration and Electric Conductivity of Groundwater

Fumiaki Tsunomori

5/18, **C105-P002**

Estimation of gas flow through Taiwan Chelungpu fault during Fluid Injection Test

Masaki Murakami, Hidemi Tanaka

5/18, **C105-P003**

Correlation between radionuclide concentrations in the top soils of active faults and earthquake activity

kenta suetsugu, Norio Sakamoto, tohru yoshinaga, other

5/18, **C105-P004**

Hydrogen gas concentration dependent on the structure of fracture zones

Hideki Kurosawa, Tsuneari Ishimaru, Kyoko Kagohara, other

5/18, **C105-P005**

Groundwater level fluctuations: random water-level drops in Haruno borehole

Kazuya Miyakawa, Iwao Kawabe, Takeo Ito

5/18, **C105-P006**

What is the cause of pH increase in fault zone? ~ From the view point of mineral grinding experiment ~

Tomohiko Saito, Hidemi Tanaka

C202:(Geochemical mapping)

no oral

C202:(Geochemical mapping)

poster Convention Hall

5/16, **C202-P001**

Development of Geosphere Environmental Informatic Universal System GENIUS

Noriyoshi Tsuchiya, Takeshi Komai, Ryoichi Yamada, other

5/16, **C202-P002**

An attempt of making geochemical maps as an undergraduate thesis - Kikuchi and Tsuboi River basins, Kumamoto Prefecture

Toshiaki Hasenaka, Masaya Miyoshi

5/16, **C202-P003**

Geochemical map of Sr isotopic ratios in Kyusyu, Japan

Akiko S. Goto, Masayo Minami

5/16, **C202-P004**

Geochemical characteristics of the stream sediments in the Shikoku region

Masumi Mikoshiba, Noboru Imai

5/16, **C202-P005**

Geochemical mapping in southeastern part of Hyogo prefecture, Japan

Motohiro Tsuboi

5/16, **C202-P006**

A combined terrestrial and marine geochemical mapping in Central Japan

Atsuyuki Ohta, Noboru Imai

5/16, **C202-P007**

Annual and seasonal variations of chemical composition of stream sediments collected at the same sampling site

Masayo Minami, Tsuyoshi Tanaka, Koshi Yamamoto, other

5/16, **C202-P008**

Resource and geo-environmental assessment in Aichi-Gifu area using geochemical map

Tsuyoshi Tanaka, Koshi Yamamoto, Masayo Minami, other

5/16, **C202-P009**

Geochemical mapping for upper Ara-river System, Chichibu Mountains area

Takaaki Fukuoka, Kaori Aoki, Haruka Kusuno

5/16, **C202-P010**

Geochemical Map in Japan

Noboru Imai, Masumi Mikoshiba, Atsuyuki Ohta, other

C203: (Phanerozoic environmental changes)

oral 101

5/17, 9:00-9:18, **C203-001**

Carbon and oxygen isotope chemostratigraphies in South China: Decoding environmental changes through the Ediacaran

Miyuki Tahata, Yuichiro Ueno, Yusuke Sawaki, other

5/17, 9:18-9:36, **C203-002**

The oceanic carbon cycle implicated in the $\delta^{13}\text{C}_{\text{carb}}$ and the $\delta^{13}\text{C}_{\text{org}}$ variations from the terminal Ediacaran to the Early Cambrian

Tomoko Ishikawa, Yuichiro Ueno, Tsuyoshi Komiya, other

5/17, 9:36-9:54, **C203-003**

Extraction of molecular fossils from the Proterozoic/Phanerozoic boundary section in the Three Gorges area, South China

Kentaro Yamada, Yuichiro Ueno, Keita Yamada, other

5/17, 9:54-10:12, **C203-004**

Re-Os age distribution of Besshi-type massive sulfide deposits as an indicator for paleo-redox of deep-sea environment

Tatsuo Nozaki, Yasuhiro Kato, Katsuhiko Suzuki

5/17, 10:12-10:30, **C203-005**

Compositional zoning in the Besshi deposit

Kosei Komuro, Kazuyasu Shindo

5/17, 10:45-11:03, **C203-006**

Multiple eruptions of the Ontong Java Plateau as a trigger of the Early Aptian climatic event (OAE-1a)

Junichiro Kuroda, Masaharu Tanimizu, Katsuhiko Suzuki, other

5/17, 11:03-11:21, **C203-007**

Cause of the Paleocene-Eocene thermal maximum: Constraints from a global carbon cycle modeling

Kazutaka Yasukawa, Shunsaku Awaji, Kentaro Nakamura, other

5/17, 11:21-11:39, **C203-008**

Marine Os isotopic change during early Eocene climatic optimum (EECO)

Yasuhiro Kato, Koichiro Fujinaga, Katsuhiko Suzuki

5/17, 11:39-11:57, **C203-009**

Reassessment of natural forcing effects to global warming

akira saito, Kazutaka Yasukawa, Kentaro Nakamura, other

5/17, 11:57-12:15, **C203-010**

Discussion

**C203: (Phanerozoic environmental changes)
poster Convention Hall**

5/17, **C203-P001**

Late Archean Diversity of Microorganisms: Evidence from Carbon Isotopic Analyses of the Fortescue Group
Kazumi Yoshiya, Manabu Nishizawa, Yuichiro Ueno, other

5/17, **C203-P002**

N/C ratios in embryo-like fossils preserved in Ediacaran Doushantuo Fm in Weng'an region, South China
yoshihiro okada, Tsuyoshi Komiya, Yuji Sano, other

5/17, **C203-P003**

The Permian minimum of Sr-isotope in mid-Panthalassan paleo-atoll carbonates
Tomomi Kani, Yukio Isozaki

5/17, **C203-P004**

Development of a coupled C-S-P cycle model and reconstruction of the variations in atmosphere-ocean system over the Phanerozoic
Tomoya Takahashi, Eiichi Tajika, Kazumi Ozaki

**D106: (Gravity and Geoid)
oral 304**

5/21, 13:45-14:00, **D106-001**

Superconducting gravimeter observation in Cibinong, Indonesia
Yoichi Fukuda, Hiroshi Ikeda, Toshihiro Higashi, other

5/21, 14:00-14:15, **D106-002**

Estimation of local mass change effects on gravity changes observed by a superconducting gravimeter at Syowa Station, Antarctica
Koichiro Doi, Hiroshi Ikeda, Yuichi Aoyama, other

5/21, 14:15-14:30, **D106-003**

Superconducting gravimeter observation in NAOJ Mizusawa, and geodetic collocation observations
Yoshiaki Tamura, Takaaki Jike, KAZUYOSHI ASARI, other

5/21, 14:30-14:45, **D106-004**

Inter-annual precipitation changes as quadratic signals in the GRACE time-variable gravity
Ryoko Ogawa, Benjamin F. Chao, Kosuke Heki

5/21, 14:45-15:00, **D106-005**

Gravity Changes Associated with the 2004 Sumatra-Andaman earthquake - Comparison between GRACE and SNREI model
Takashi Hasegawa, Yoichi Fukuda, Guangyu Fu, other

5/21, 15:00-15:15, **D106-006**

Response of the ocean mass variation in the Antarctic Coastal Current to ENSO
Hideaki Hayakawa, Yuichi Aoyama, Koichiro Doi, other

5/21, 15:30-15:45, **D106-007**

Current status of acquisition and processing of tracking data from SELENE satellites for lunar gravity field estimation (Part 3)
Koji Matsumoto, Sander Goossens, Noriyuki Namiki, other

5/21, 15:45-16:00, **D106-008**

Sea Floor Gravity Survey of Offshore Area of Northern Noto Peninsula
Masao Komazawa, Shigeo Okuma, Toshihiko Kanazawa, other

5/21, 16:00-16:15, **D106-009**

Gravitational coupling between the inner core and the mantle and variations of the Earth rotation
Chuichi Kakuta

5/21, 16:15-16:30, **D106-010**

Permanent gravity changes caused by The 2007 Noto Hantou Earthquake and The 2007 Niigataken Chuetsu-oki Earthquake
Yuichi Imanishi, Yoshiaki Tamura, Hiroshi Ikeda, other

5/21, 16:30-16:45, **D106-011**

Hydrological correction of groundwater disturbance in gravity data: Application to Sakurajima volcano, southern Japan

Takahito Kazama, Shuhei Okubo, Keigo Yamamoto, other

5/21, 16:45-17:00, **D106-012**

Gravity and GPS Measurements Reveal Mass Loss beneath the Tibetan Plateau - Geodetic Evidence of Increasing Crustal Thickness

Wenke Sun, Qi Wang, Hui Li, other

D106: (Gravity and Geoid) poster Convention Hall

5/19, **D106-P001**

Gravity analysis by Walsh transform and its application to Earth Sciences

Akihiko Yamamoto, Masahiro Yoshida

5/19, **D106-P002**

Construction of web pages and applications for gravity data compiled by GSJ, AIST

Kazunari Nawa, Yasuaki Murata, Masao Komazawa, other

5/19, **D106-P003**

Readjusting the supporting magnet of the Superconducting Gravimeter T016

Yuichi Imanishi, Yoshiaki Tamura, Hiroshi Ikeda, other

5/19, **D106-P004**

Gravity measurement and subsurface structure beneath Kansai International Airport

Naoto Inoue, Keiji Takemura

5/19, **D106-P005**

Gravity Map of Okayama District (Bouguer Anomalies)

Yasuaki Murata, Masao Komazawa, Masahiko Makino, other

5/19, **D106-P006**

Preliminary results of simultaneous determination of topographic mass density and gravity disturbance by using gravity-geoid data

Kyozo Nozaki, Makoto Ando

5/19, **D106-P007**

Comparison of in-situ ocean bottom pressure data with GRACE gravimetry in the off Sanriku area

Hideaki Hayakawa, Hiromi Fujimoto, Tadahiro Sato

5/19, **D106-P008**

Improvement of ocean loading correction for estimating resonance parameters of FCR from SG data at Syowa Station, Antarctica.

Taehee Kim, Kazuo Shibuya, Koichiro Doi, other

D107: (Geodesy General) oral 304

5/20, 13:45-14:00, **D107-001**

Studies on tide analysis of the digital gravity observation data

Xinlin zhang

5/20, 14:00-14:15, **D107-002**

Estimation of effects of astronomic tides and ocean tidal loading on leveling

Yuki Kuroishi

5/20, 14:15-14:30, **D107-003**

Viscosity of the upper mantle in Southeast Alaska

Tadahiro Sato, Chris Larsen, Satoshi Miura, other

5/20, 14:30-14:45, **D107-004**

Development of a compact absolute gravimeter (3)

Akito Araya, Yoshiaki Tamura, Tsuneya Tsubokawa

5/20, 14:45-15:00, **D107-005**

Evaluation of the new approach to improving compact-compact antenna baseline in VLBI

Hiroshi Takiguchi, Atsutoshi Ishii, Ryuichi Ichikawa, other

5/20, 15:00-15:15, **D107-006**

Current Status of Development of Compact VLBI System with 1-m class Antenna (MARBLE): Part 2

Atsutoshi Ishii, Ryuichi Ichikawa, Hiroshi Takiguchi, other

5/20, 15:30-15:45, **D107-007**

Look for a proper channel combination for bandwidth synthesis in constrained condition

Kazuhiro Takeufji, Mamoru Sekido, Atsutoshi Ishii, other

5/20, 15:45-16:00, **D107-008**

Retrieval of Satellite Optical Response from kHz Laser Ranging Data

Toshimichi Otsubo, Philip Gibbs, Graham M. Appleby

5/20, 16:00-16:15, **D107-009**

AJISAI Spin Period Determination from Graz 2 kHz SLR Data

Daniel Kucharski, Georg Kirchner, Toshimichi Otsubo

5/20, 16:15-16:30, **D107-010**

Local tie between VLBI and GPS at Tsukuba site and contribution to ITRF2008

Shinobu Kurihara, Hiromi Shigematu, Kyoko Kotani, other

5/20, 16:30-16:45, **D107-011**

The development of combined analysis method of VLBI and GPS for improved determination of geodetic reference frame : Part2

Kazuhiro Takashima

5/20, 16:45-17:00, **D107-012**

Towards the introduction of semi-dynamic correction

Yohei Hiyama, Yu Morishita

5/21, 9:00-9:15, **D107-013**

Evaluation and application of RTKLIB ver. 2.2

Tomoji Takasu

5/21, 9:15-9:30, **D107-014**

Precision and accuracy of daily GPS coordinate time series estimated by Ambizap algorithm

Yusaku Ohta, Mako Ohzono, Satoshi Miura

5/21, 9:30-9:45, **D107-015**

Development of the every-day automated analyzing system of all GEONET network site (Part II)

Seiichi Shimada, Mikio Satomura, Yohei Shinde, other

5/21, 9:45-10:00, **D107-016**

Troposphere parameters estimated by the new GEONET analysis strategy

Yuki Hatanaka, Masayoshi Ishimoto, Hiroshi Munekane

5/21, 10:00-10:15, **D107-017**

Impact of Atmospheric Delay Reduction using KARAT on GPS/PPP Analysis

Ryuichi Ichikawa, Thomas Hobiger, Yasuhiro Koyama, other

5/21, 10:15-10:30, **D107-018**

Computation of GNSS troposphere slant delay corrections based on fine-mesh numerical weather models

Thomas Hobiger, Seiichi Shimada, Shingo Shimizu, other

D107: (Geodesy General) poster Convention Hall

5/19, **D107-P001**

Current status of Korea VLBI system for Geodesy (KVG)

Tetsuro Kondo, TuHwam Kim Korea VLBI system for Geodesy (KVG) Project Group

5/19, **D107-P002**

Estimate of time synchronized technique by GPS Common view

Yuki Itoh

5/19, **D107-P003**

A multi-channel real-time GNSS software receiver using a general purpose graphics processing unit

Thomas Hobiger, Tadahiro Gotoh, Jun Amagai, other

5/19, **D107-P004**

Development of an ultra-deeply anchored GPS station in Tsukuba
Hiroshi Munekane, Yuki Kuroishi, Yuki Hatanaka, other

5/19, **D107-P005**

Estimation of river water storage variation of Chao Phraya river basin by using EnviSat satellite altimetry data
Keiko Yamamoto, Yoichi Fukuda, Makoto Taniguchi

5/19, **D107-P006**

Secular increase of wet delays due to global warming: GPS climatology
Kiyoto Yoshida, Kosuke Heki

5/19, **D107-P007**

Seasonal variation of vertical crustal deformation in southeast Alaska
Masaki Akatsuka, Satoshi Miura, Yusaku Ohta, other

5/19, **D107-P008**

Numerical simulation of positioning errors using numerical weather prediction models
Masayoshi Ishimoto, Hiroshi Munekane

5/19, **D107-P009**

Application of a Numerical Inverse Laplace Integration Method to Surface Loading in a Viscoelastic Compressible Earth Model
Yoshiyuki Tanaka, Jun'ichi Okuno

5/19, **D107-P010**

Long-Term Polar Motion on a Quasi-Fluid Planet with an Elastic Lithosphere: Semi-Analytic Solutions of the Time-Dependent Equation
Yuji Harada

D108: (Crustal Deformation) oral Function Room B

5/19, 9:00-9:15, **D108-001**

Underground Water Observation with the earthquakes in Wari-ishi Hot Spring, Gifu Prefecture
Shigeki Tasaka, masaya matsubara, Yoshimi Sasaki, other

5/19, 9:15-9:30, **D108-002**

Development of a long baseline laser-extensometer and results of its experimental observation
Akio Katsumata, Takeyasu Yamamoto, Sumio Yoshikawa, other

5/19, 9:30-9:45, **D108-003**

Establishment of GPS real-time monitoring System for volcanic activities in Izu Islands
Hirotsuka Obata, Akinori Ochino, Akira Wada, other

5/19, 9:45-10:00, **D108-004**

Toward better accuracy for measurement of ocean crustal deformation -Revision of Analysis System OCDASAN-
Ryoya Ikuta, Keiichi Tadokoro, Takashi OKUDA, other

5/19, 10:00-10:15, **D108-005**

Seafloor geodetic survey in Taiwan
Masataka Ando

5/19, 10:15-10:30, **D108-006**

Slow Slip event beneath Yonaguni Island, western Ryukyu Island
Mamoru Nakamura

5/19, 10:45-11:00, **D108-007**

Repeated slow slip events east off-Choshi in the Boso Peninsula, central Japan, on subducting interface of Pacific plate
Hisashi Agata, Ichiro Kawasaki, Yasuyuki Kano, other

5/19, 11:00-11:15, **D108-008**

The short-term slow slip in the Tokai Region by using dense GPS observation net data(Follow-up reports)
Tomohiro Sugita, **Mikio Satomura**, Seiichi Shimada, other

5/19, 11:15-11:30, **D108-009**

Detection of short term SSE by GEONET
Tetsuro Imakiire

5/19, 11:30-11:45, **D108-010**

Comparison of two Miyagi-oki earthquakes in 1978 and 2005 based on geodetic data

Satoshi Miura, Takeshi Iinuma, Yusaku Ohta

5/19, 11:45-12:00, **D108-011**

Crustal deformation and fault motion of the 2008 Wenchuan Earthquake, China, detected by ALOS/PALSAR

Masato Furuya, Tomokazu Kobayashi, Youichiro Takada, other

5/19, 12:00-12:15, **D108-012**

Uplift and gravity change in the Tibetan Plateau from GPS and GRACE

Koji Matsuo, Kosuke Heki

D108: (Crustal Deformation) poster Convention Hall

5/18, **D108-P001**

Positionings based on accordance of current frequency ratios to base frequency ratios between C1 wave and P2 wave.

Kenichi Kawamata

5/18, **D108-P002**

Correction of the Theoretical Oceanic Tidal Loading at Rokko-Takao Station

Atsushi Mukai, Shigeaki Otsuka

5/18, **D108-P003**

Q quality factor variations of fundamental modes consisting of spheroidal-toroidal mode coupling.

Satoshi Yoshii, Shuzo Takemoto, Yoichi Fukuda, other

5/18, **D108-P004**

Technical development of analysis in seafloor geodetic measurement

Motoyuki Kido, Yukihito Osada, Hiromi Fujimoto

5/18, **D108-P005**

Can strain observation be possible in casing borehole ?

Hiroshi Ishii, Yasuhiro Asai, Harumi Aoki

5/18, **D108-P006**

The relationship of groundwater level changes to crustal strain changes (2) - Establishment of new observation site

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Yasuhiro Asai, Hiroshi Ishii, Harumi Aoki

5/18, **D108-P007**

Slow slip events around the Bungo channel derived from strain rate change by GPS network

Fumio Ohya

5/18, **D108-P008**

Long-term slow slip events in the Bungo Channel deduced from tide gauge data

Akio Kobayashi, Takeyasu Yamamoto

5/18, **D108-P009**

Long-term Crustal Strain Changes Observed in Northern Part of the Kinki District

Takeyasu Yamamoto, Akio Kobayashi

5/18, **D108-P010**

Postseismic Crustal Deformation Following the 1995 Hyogo-ken Nanbu Earthquake, Central Japan

Yuka Asahi, Takeshi Sagiya

5/18, **D108-P011**

Re-estimation of Postseismic Slip Region of the 2000 Western Tottori Earthquake

Hironori Kawakata, Mai Fujiwara

5/18, **D108-P012**

Influence of an anomalous layer about physical properties on geologic structures in the Niigata Chuetsu region

Hiroki Miyamoto, Yasuhiro Yamada, Toshifumi Matsuoka, other

5/18, **D108-P013**

The 2008 earthquake off Ibaraki prefecture

Shinzaburo Ozawa

5/18, **D108-P014**

Spatio-temporal evolution of inter-plate coupling during 2002-2007 beneath Tohoku district estimated from GPS data
Takeshi Iinuma, Satoshi Miura, Naoki Uchida, other

5/18, **D108-P015**

Earthquake induced crustal movement reevaluated from solutions of GEONET new analysis strategy
Kei Nogami, Basara Miyahara

5/18, **D108-P016**

Effects of Earth's Lateral Heterogeneous Structures on Coseismic Displacements
Guangyu Fu, Wenke Sun, Yoichi Fukuda

5/18, **D108-P017**

Ground Deformation Along the Sumatran Fault in Aceh, Sumatra, detect by AGNeSS GPS Network (Preliminary result)
Gunawan Endra, Takeo Ito, Agustan Agustan, other

5/18, **D108-P018**

Analysis of post-seismic movements associated with Sumatra earthquake
Yuko Ebihara, Mikio Satomura, **Koya SHIMAMURA**, other

5/18, **D108-P019**

Crustal deformation of doublet Sumatra earthquake on September 12, 2007 inferred by GPS and InSAR observation
Ashar Muda LUBIS, Toshinori Sato, Nobuhiro Isezaki, other

5/18, **D108-P020**

Crustal Deformation of Earthquakes on New Guinea, Indonesia, Detected by ALOS/PALSAR
Shinobu Ando, Hiroshi Ueno, Naoki Hayashimoto

5/18, **D108-P021**

Towards Detecting Earthquake Deformations by Microwave Radiometer
Takashi Maeda, Tadashi Takano

D109: (SAR)

oral Function Room B

5/19, 13:45-14:00, **D109-001**

An attempt to reduce atmospheric noise on InSAR analysis using numerical meteorological model.
Taku Ozawa, Shingo Shimizu

5/19, 14:00-14:15, **D109-002**

Atmospheric disturbance in D-InSAR analysis for Kuju Volcano, Kyushu, Japan
Makoto Omura, Shigeki KOBAYASHI, Katsuaki Koike, other

5/19, 14:15-14:30, **D109-003**

Monitoring the Japan islands using the PLASAR Interferometry
Masanobu Shimada

5/19, 14:30-14:45, **D109-004**

Reduction of residual phase in SAR interferograms
Mikio Tobita, Masanobu Shimada, Manabu Hashimoto, other

5/19, 14:45-15:00, **D109-005**

Introduction of the COSMO-SkyMed satellites
Mamoru Sugawara

5/19, 15:00-15:15, **D109-006**

Current states and future application of TerraSAR-X
Takashi Nonaka

5/19, 15:30-15:45, **D109-007**

Activities for flood disaster prevention using the ALOS/PALSAR and other SAR observation data
Shinichi Takizawa, Masanobu Shimada, Masato Ohki

5/19, 15:45-16:00, **D109-008**

Ground subsidence monitoring in Kujukuri Plains using C- and L-band SAR interferometry
Tomonori Deguchi, Shuichi Rokugawa, Jun Matsushima

5/19, 16:00-16:15, **D109-009**

Examination of detection of crustal deformation associated with the subduction of the Philippine Sea plate with

ALOS/PALSAR

Manabu Hashimoto, Yo Fukushima, Mika Arimoto

5/19, 16:15-16:30, **D109-010**

Postseismic crustal deformation following the 2008 Iwate-Miyagi Nairiku Earthquake detected by ALOS/PALSAR
Youichiro Takada, Tomokazu Kobayashi, Masato Furuya, other

5/19, 16:30-16:45, **D109-011**

Application of PALSAR Multiple Aperture Interferometry to the 2008 Sichuan Earthquake, China
Satoshi Okuyama

5/19, 16:45-17:00, **D109-012**

The 2008 eruption of Okmok volcano in Aleutian Islands observed by ALOS/PALSAR
Yosuke Miyagi

D109: (SAR)

poster Convention Hall

5/18, **D109-P001**

ALOS/PALSAR Unsupervised Polarimetric Classification using Complex Wishart Classifier
Masato Ohki, Masanobu Shimada

5/18, **D109-P002**

Development of X-band airborne polarimetric and interferometric SAR with sub-meter spatial resolution
Akitsugu Nadai, Seiho Uratsuka, Toshihiko Umehara, other

5/18, **D109-P003**

Evaluation of atmospheric phase delays in SAR interferograms using numerical weather models
Hiroshi Yarai, Mikio Tobita, Masayoshi Ishimoto, other

5/18, **D109-P004**

A Study of Post-Processed Filtering in DInSAR Technique for Ground Deformation Analysis
Agustan Agustan, Takeo Ito, Fumiaki Kimata

5/18, **D109-P005**

Extraction of crustal movement using PALSAR ScanSAR interferometry
Shino Yamaguchi, Masanori Miyawaki, Tsunekazu Kimura

5/18, **D109-P006**

Coseismic slip from the January 4, 2009, Mw7.6 Papua, Indonesia, earthquake as constrained by InSAR Observation
Irwan Meilano, **Agustan Agustan**, Fumiaki Kimata

5/18, **D109-P007**

Fault geometry of the 2006 Yogyakarta earthquake: Insight from InSAR analysis
Takeshi Tsuji, katsuya yamamoto, Yasuhiro Yamada, other

5/18, **D109-P008**

Ground deformation associated with the volcanic activity of Kuchierabujima volcano revealed by InSAR
Keigo Yamamoto

5/18, **D109-P009**

The Active Volcanoes in Japan as Viewed from ALOS PALSAR Interferometry (2)
Shinobu Ando, Sadayuki Kitagawa, Keiichi Fukui

5/18, **D109-P010**

Detection of Landslide Displacement at the Hakusan volcano from Interferometric Analysis of ALOS/PALSAR data
Hitoshi Michinaka, Yoshihiro Hiramatsu

5/18, **D109-P011**

Monitoring of ground subsidence with InSAR
Midori Fujiwara, Tomomi Amagai, Akira Suzuki, other

5/18, **D109-P012**

Relationship between crevasse occurrence and terrain of the Coats Land, Antarctica
Makoto Omura, Katsuaki Koike, Hiroaki Yoshida, other

E110: (Heliosphere)

oral 202

5/18, 9:15-9:30, **E110-001**

Minimum variance analysis applied to the magnetic field variations detected by Kaguya/LMAG around the Moon
Tomoko Nakagawa, Futoshi Takahashi, Hideo Tsunakawa, other

5/18, 9:30-9:45, **E110-002**

Intrusion of the solar wind ions into the lunar low-altitude wake observed by SELENE (KAGUYA)
Masaki Nishino, Masaki Fujimoto, Kiyoshi Maezawa, other

5/18, 9:45-10:00, **E110-003**

Properties of magnetic hole/decrease structures in the solar wind
Ken Tsubouchi, Hironori Shimazu

5/18, 10:00-10:15, **E110-004**

Interaction with Ambient Field during Coronal Mass Ejection Formation Process
Daikou Shiota, Kanya Kusano, Takahiro Miyoshi, other

5/18, 10:15-10:30, **E110-005**

Interaction between active region and coronal hole: A role for making a trans-equatorial loop system
Masaki Yokoyama, Satoshi Masuda

5/18, 10:45-11:00, **E110-006**

Influence of Solar Magnetic Activity on the Global Climate: Correlation with Surface Temperature and Arctic Oscillation

Kiminori Itoh

5/18, 11:00-11:15, **E110-007**

Longterm variations of solar wind flow
Kazuyuki Hakamada

5/18, 11:15-11:30, **E110-008**

A loss-cone precursor observed in December 2006 with the Global Muon Detector Network
Akira Fushishita, Kazuoki Munakata, Kazuoki Munakata Cosmic Ray Modulation Team

5/18, 11:30-11:45, **E110-009**

Relationships between solar radio type-I burst and soft X-ray phenomena
Kazumasa Iwai, Hiroaki Misawa, Fuminori Tsuchiya, other

5/18, 11:45-12:00, **E110-010**

Preliminary observations using the Solar Wind Imaging Facility (SWIFT)
Munetoshi Tokumaru, Masayoshi Kojima, Ken'ichi Fujiki, other

E110: (Heliosphere) poster Convention Hall

5/18, **E110-P001**

On nonlinear evolution of Alfvénic turbulence in low beta plasmas
Yasuhiro Nariyuki, Tohru Hada, Ken Tsubouchi

5/18, **E110-P002**

A study of density inhomogeneities in solar wind acceleration region based on the observation of type III solar burst spectrum
Taku Aoki, Takayuki Ono, Atsushi Kumamoto, other

5/18, **E110-P003**

Observation of fine structures in solar radio burst spectra in the UHF band
Yukio Nishimura, Takayuki Ono, Masahide Iizima, other

5/18, **E110-P004**

Helical lengths of magnetic clouds from the magnetic flux conservation
Tetsuya Yamamoto, Satoshi Inoue, Ryuho Kataoka

5/18, **E110-P005**

The reason the activity in the solar surface has a cycle of 11 years
Hirofumi Mase

E111: (Space Plasma physics) oral 301A

5/21, 9:00-9:15, **E111-001**

Parametric instabilities of circularly polarized Alfvén waves in plasmas with beam protons
Yasuhiro Nariyuki, Tohru Hada, Ken Tsubouchi

5/21, 9:15-9:30, **E111-002**

Nonlinear Evolution of Mirror Instability
Masafumi Shoji, Yoshiharu Omura

5/21, 9:30-9:45, **E111-003**

Coherent nonlinear scattering of energetic electrons in the process of whistler-mode chorus generation
Mitsuru Hikishima, Satoshi Yagitani, Yoshiharu Omura, other

5/21, 9:45-10:00, **E111-004**

A simulation study of competing processes in generation of equatorial plasma waves
Mohammad Javad Kalae, Takayuki Ono, Yuto Katoh, other

5/21, 10:00-10:15, **E111-005**

Strong electron acceleration by the vortex-induced reconnection: Full particle simulations
Takuma Nakamura, Iku Shinohara, Masaki Fujimoto

5/21, 10:15-10:30, **E111-006**

Equilibrium particle distribution in a static gravitational field
Tadas Nakamura

5/21, 10:45-11:00, **E111-007**

Linear analysis of Magneto-Rotational Instability under a charge exchange effect in Dusty Plasmas
Keisuke Shirakawa, Masahiro Hoshino

5/21, 11:00-11:15, **E111-008**

Current status and prospects of Vlasov code
Takayuki Umeda, Keiichiro Fukazawa, Yosuke Matsumoto, other

5/21, 11:15-11:30, **E111-009**

A contour dynamics method for Vlasov-Poisson system
Tomo-Hiko Watanabe

5/21, 11:30-11:45, **E111-010**

Development of a high-resolution central code and its application to the model integration activity
Naoki Terada, Yosuke Matsumoto, Takahiro Miyoshi, other

5/21, 11:45-12:00, **E111-011**

Inflation process of a small-scale artificial magnetosphere by plasma injection from a spacecraft
Hideyuki Usui, Yoshihiro Kajimura, Masanori Nunami, other

5/21, 12:00-12:15, **E111-012**

Particle-In-Cell Simulation on the Receiving Antenna Characteristics in Space Plasma Environment
Yohei Miyake, Hideyuki Usui, Hirotsugu Kojima, other

5/21, 13:45-14:00, **E111-013**

Diffusive shock acceleration of cosmic rays: dependence to the scattering models
Tohru Hada

5/21, 14:00-14:15, **E111-014**

Electron-scale microscopic instabilities at a low-mach-number perpendicular collisionless shock
Masahiro Yamao, Takayuki Umeda, Ryo Yamazaki

5/21, 14:15-14:30, **E111-015**

Inter-scale coupling in a self-reformation process of quasi-perpendicular shocks
Shuichi Matsukiyo

5/21, 14:30-14:45, **E111-016**

MHD Simulations of a Current Sheet with Initial Finite Perturbations -- Dependence on resistivity and guide field
Takaaki Yokoyama, Hiroaki Isobe

5/21, 14:45-15:00, **E111-017**

Two-dimensional Vlasov code simulation of magnetic reconnection
Kentaro Togano, Takayuki Umeda, Tatsuki Ogino

5/21, 15:00-15:15, **E111-018**

Fast magnetic reconnection in a kinked current sheet

Keizo Fujimoto

**E111: (Space Plasma physics)
poster Convention Hall**

5/20, **E111-P001**

Relationship between the frequency sweep rates and the wave amplitude in the generation process of whistler-mode chorus emissions

Yuto Katoh, Yoshiharu Omura

5/20, **E111-P002**

The computation simulation of the Kelvin-Helmholtz instability considering the collision process with the neutrals

Atsuo KAWAKATSU, Shinobu Machida

5/20, **E111-P003**

Three-dimensional MHD simulation of MHD-scale Kelvin-Helmholtz vortices modeling the magnetospheric boundary layer

Naoko Shimomura, Takuma Nakamura, Masaki Fujimoto

5/20, **E111-P004**

Global MHD simulation of the magnetosphere: Implementation of the CIP algorithm

Yosuke Matsumoto, Kanako Seki

5/20, **E111-P005**

Hybrid Simulations of Energetic Ions in Magnetic Reconnection

Subaru Nagasaki, Masahiro Hoshino

5/20, **E111-P006**

Three dimensional magnetohydrodynamics simulation of magnetic reconnection in sheared field

Koji Kondoh, Masayuki Ugai

5/20, **E111-P007**

Effect of ion temperature anisotropy on explosive magnetic reconnection

Kentaro Tanaka, Masaki Fujimoto, Iku Shinohara

5/20, **E111-P008**

Self-organization of x-lines in 3D fast magnetic reconnection

Tohru Shimizu

5/20, **E111-P009**

Relativistic magnetic reconnection including radiative cooling effect

Ryo Yoshitake, Masahiro Hoshino

5/20, **E111-P010**

Particle simulations about generation mechanism of low frequency waves excited from beam instabilities

Taketoshi Miyake, Tetsuya Hirono, Yoshiharu Omura, other

5/20, **E111-P011**

Effect of Accelerated Electrons on Quiet Auroral Arc Formation

Hiroki Hasegawa, Nobuaki Ohno, Tooru Sugiyama, other

5/20, **E111-P012**

Electron hybrid simulations of impedance measurements in the ionospheric plasma

Tomonori Suzuki, Takayuki Ono, Yuto Katoh, other

5/20, **E111-P013**

3D hybrid simulation of interaction between the solar wind and a mini-magnetosphere of magnetized objects

Masao Nakamura

5/20, **E111-P014**

Numerical simulations on effects of magnetic fields in formation processes of molecular clouds

Midori Matsumoto, Takayuki Ono, Atsushi Kumamoto

5/20, **E111-P015**

Ion acceleration around shocks using multi-physics simulation model

Tooru Sugiyama, Kanya Kusano

E112: (Solid Earth Geoelectromagnetism)
oral Exhibition Hall 7 sub

5/20, 15:30-15:45, **E112-001**

Relationship between distribution of marine clay layers and spontaneous potential in Ibukino, Izumi-Senboku Area, Japan

Kunihiro RYOKI, Takayuki HATANO, Kazutomo OKUMURA, other

5/20, 15:45-16:00, **E112-002**

Towing bipole electric current for marine magnetometric resistivity method

Nobukazu Seama, Tada-nori Goto, Noriko Tada, other

5/20, 16:00-16:15, **E112-003**

Seafloor Electromagnetic Observations in the Sea of Japan and Cooperative EM Observations on Land

Naoto Oshiman, Hiroaki TOH, Takafumi Kasaya, other

5/20, 16:15-16:30, **E112-004**

Lithospheric electrical image of the Deccan Volcanic Province of western India from magnetotelluric studies

Prasanta Patro, S.V.S. Sarma, Makoto Uyeshima

5/20, 16:30-16:45, **E112-005**

Resistivity structure around the focal area of the Iwate-Miyagi Inland Earthquake 2008

Shin'ya Sakanaka, Hiroshi Ichihara, Masaaki Mishina, other

5/20, 16:45-17:00, **E112-006**

Some characteristics of electric field variations generated by ground velocity due to blasting

Yoshimori Honkura, Masaki Matsushima, Yasuo Ogawa

E112: (Solid Earth Geoelectromagnetism)
poseter Convention Hall

5/19, **E112-P001**

Detectability of Magmatic Activity in Eastern Izu Peninsula by Active Electromagnetic Observation Network

Naoyuki Fujii, Takahiro Nakajima, Mineo Kumazawa, other

5/19, **E112-P002**

Monitoring of the variation of underground resistivity structure by measuring the neutral current of 500 kV electric power lines

Makoto Harada, Jun Izutsu, Tomiichi Uetake, other

5/19, **E112-P003**

2D and 3D Resistivity Structure beneath Kyushu in Consideration of the Dipole Length of the Electric Field in the NetworkMT Survey

Maki Hata, Naoto Oshiman, Ryohei Yoshimura, other

5/19, **E112-P004**

Mantle structure beneath the back-arc region of southwest Japan: An ocean-locked view by newly acquired seafloor EM dataset

Takuto Minami, Hiroaki TOH, Takafumi Kasaya, other

5/19, **E112-P005**

Toward 3-D inversion of seafloor MT data

Noriko Tada, Kiyoshi Baba, Weerachai Siripunvaraporn, other

5/19, **E112-P006**

A spatio-temporal model in the geomagnetic field around Japan during 1970 - 2000 based on ground observations

Ken'ichi Yamazaki, Naoto Oshiman

5/19, **E112-P007**

An attempt of re-defining the magnetotelluric phase tensor

Tsutomu Ogawa

5/19, **E112-P008**

The effect of the water content on piezoelectric compensating charge of the bulk granites

Shinya Tanemori, Chihiro Yamanaka

5/19, **E112-P009**

Characteristic changes of groundwater radon concentration before large earthquakes

Tadanori Ondoh

**E113: (Geomagnetism and Paleomagnetism)
oral 301B**

5/19, 13:45-14:00, **E113-001**

Shock melt vein as a pristine paleomagnetic recorder and time-temperature relation of iron-nickel and high-pressure mineral

Yugo Sato, **Norihiro Nakamura**

5/19, 14:00-14:15, **E113-002**

Rock-magnetic study of the oblique anhysteretic remanent magnetization

Nobutatsu Mochizuki, Minako Watanabe, Hideo Tsunakawa

5/19, 14:15-14:30, **E113-003**

Rock magnetic identification of coexisting titanohematite and titanomagnetite: a case study on dacite samples from Unzen volcano

Masayuki Torii, Maya Takayanagi

5/19, 14:30-14:45, **E113-004**

Paleomagnetic directions of Early Miocene sedimentary rocks in the Shitara area in central Japan: tectonic significance

Hiroyuki Hoshi

5/19, 14:45-15:00, **E113-005**

Thellier paleointensity behavior of pillow and subaerial lavas from Korea

Koji Fukuma, Masahiro Ooga, Akira Hayashida, other

5/19, 15:00-15:15, **E113-006**

Paleomagnetic study of an Archean dyke of south west Greenland: Geomagnetic field intensity at 2.5 Ga (Preliminary report)

Hanae Seki, Yuhji Yamamoto, Masako Miki, other

5/19, 15:30-15:45, **E113-007**

Was the geodynamo quadrupolar in the past?

Futoshi Takahashi

5/19, 15:45-16:00, **E113-008**

Magnetic field variations of short timescales in a numerical geodynamo model

Ataru Sakuraba

5/19, 16:00-16:15, **E113-009**

Global and local MHD turbulence in the Earth's core

Masaki Matsushima

5/19, 16:15-16:30, **E113-010**

A simple demonstration of a general rule for the variation of magnetic dipole field with distance

Kazuto Kodama

5/19, 16:30-16:45, **E113-011**

Sedimentary record of geomagnetic secular variation and excursions in piston core samples from Lake Biwa

Akira Hayashida, Masahiko Yasuda, Tomohiro Yamamoto, other

5/19, 16:45-17:00, **E113-012**

Evidences of delayed acquisition of paleomagnetic record in the marine sediment inferred from offset Be-10 flux anomaly

Yusuke Suganuma, Yusuke Yokoyama, Toshitsugu Yamazaki

**E113: (Geomagnetism and Paleomagnetism)
poster Convention Hall**

5/19, **E113-P001**

Magnetization due to the Verwey transition of magnetite

Masahiko Sato, Nobutatsu Mochizuki, Hideo Tsunakawa, other

5/19, **E113-P002**

Identifying the origin of the anomalous magnetization of the Vredefort granites by magnetic microscope

Kensaku Okuno, Norihiro Nakamura

5/19, **E113-P003**

Rock-magnetic study of Precambrian granitic rocks in Minnesota
Nobutatsu Mochizuki, Tetsu Kogiso, Masahiko Sato, other

5/19, **E113-P004**

Rock magnetism of the rock forming minerals from the chromian spinel-bearing andesitic lava without FeTi oxide phenocrysts
Takeshi Saito, Naoto Ishikawa

5/19, **E113-P005**

Paleomagnetic study of the Proterozoic Rayner and Archaean Napier complexes in Enderby Land, East Antarctica
Naoto Ishikawa

5/19, **E113-P006**

Paleointensity Measurements from ca. 5 Ma Jinchonri Basalt in Baekryeongdo Island, the Furthest North Part of South Korea
Yuhji Yamamoto, Youn Soo Lee, Kazuto Kodama

5/19, **E113-P007**

Paleomagnetic intensity of Aso pyroclastic flows: Additional results with Shaw method and Thellier method with pTRM-tail check.
Toru Maruuchi, Hidetoshi Shibuya

5/19, **E113-P008**

Analyzing the early 19th century's geomagnetic declination in Japan from Tadataka Inoh's Santou-Houi-Ki. The third report.
Motohiro Tsujimoto

5/19, **E113-P009**

Archeomagnetic study of ancient kilns from Idegaura ruins, Iizuka City, Fukuoka, Japan
Masayuki Torii, Tadahiro Hatakeyama, Yurie Yamamoto

5/19, **E113-P010**

Paleomagnetism of Harutagawa formation in Pliocene Kuju-Bepu tectonic basin
Tadayuki Kudou, Hidetoshi Shibuya

5/19, **E113-P011**

A geomagnetic record of the Gauss-Matuyama polarity transition recovered from an Osaka Bay sediment core
Toshiaki Mishima, Masayuki Hyodo, Mariko Matsushita, other

5/19, **E113-P012**

Paleomagnetic secular variation recorded in a piston-core sample from Lake Biwa off Takashima
Tomohiro Yamamoto, Akira Hayashida, Keiji Takemura, other

5/19, **E113-P013**

Search of paleomagnetic record of geomagnetic excursions in a piston core from off Okinoshima, Lake Biwa
Masahiko Yasuda, Akira Hayashida, Keiji Takemura, other

5/19, **E113-P014**

Paleomagnetic and rock magnetic studies of sediment cores in Lake Biwa off Nagahama.
Yoshihiko Tanigawa, Naoto Ishikawa, Masahiko Yasuda, other

5/19, **E113-P015**

Rock magnetic study of the topmost sediments from Lake Biwa
Tomoko Asami, Naoto Ishikawa

5/19, **E113-P016**

Magnetic properties and diagenesis of rapidly deposited anoxic sediments offshore Shimokita
Masahiro Ooga, Masahiko Yasuda, Akira Hayashida, other

5/19, **E113-P017**

Rock magnetic characteristics of marine sediments from the east of the Okinawa Island
Noriko Kawamura, Hirokuni Oda, Toshitsugu Yamazaki

5/19, **E113-P018**

Bathymetry and Magnetic and Gravity Anomalies east of Okinawa Island
Hirokuni Oda, Kohsaku Arai, Taqumi TuZino, other

5/19, **E113-P019**

Paleomagnetism and rockmagnetism of sediment cores east of Okinawa Island

Hirokuni Oda, Noriko Kawamura, Takuya Itaki

5/19, **E113-P020**

Paleomagnetic and rock magnetic studies of subsurface deposits with volcanic materials in Beppu City, Kyushu.

Shoko Fujii, Naoto Ishikawa, Keiji Takemura

5/19, **E113-P021**

Rock magnetic study of surface sediments from China: a provenance study of eolian dust

Kazunori Mishima, Masayuki Torii, Ryuji Tada, other

E114: (M-I Coupling)
oral 201B

5/19, 9:00-9:15, **E114-001**

Instantaneous development of ionospheric currents during the preliminary impulse of the SC

Takashi Kikuchi, Atsuki Shinbori, Yuji Tsuji, other

5/19, 9:15-9:30, **E114-002**

Seasonal dependence of diurnal variations of SC amplitude from middle to low latitudes

Atsuki Shinbori, Yuji Tsuji, Takashi Kikuchi, other

5/19, 9:30-9:45, **E114-003**

Seasonal variation of Quarter-wave modes of standing Alfvén waves

Yuki Obana, Frederick W. Menk, Murray D. Sciffer, other

5/19, 9:45-10:00, **E114-004**

Polarization analysis of Pc 1 geomagnetic pulsations observed at multi-point ground stations at middle latitudes

Reiko Nomura, Kazuo Shiokawa, Boris M. Shevtsov

5/19, 10:00-10:15, **E114-005**

Pi 2-associated Ionospheric Doppler Velocity and Magnetic Pulsation at Mid-latitude MAGDAS Station

Akihiro Ikeda, Kiyohumi Yumoto, Teiji Uozumi, other

5/19, 10:15-10:30, **E114-006**

Hilbert-Huang Transform of geomagnetic pulsations at auroral expansion onset

Ryuho Kataoka, Yoshizumi Miyoshi, Akira Morioka

5/19, 10:45-11:00, **E114-007**

Dayside proton auroral tongue

Yusuke Ebihara, Ryuho Kataoka, A. T. Weatherwax

5/19, 11:00-11:15, **E114-008**

Evolution of auroral wave numbers at a substorm onset

Kaori Sakaguchi, Kazuo Shiokawa, Erick Donovan, other

5/19, 11:15-11:30, **E114-009**

Localized electron accelerations and drift motions of fine-scale auroral luminous structures

Yuki Ito, **Kazushi Asamura**, Taku Takada, other

5/19, 11:30-11:45, **E114-010**

Comparative studies on polar ionosphere and magnetotail dynamics based on simultaneous multi-point observations:

(1)

Masafumi Hirahara, Satoru Onodera, Shin Toriumi, other

5/19, 11:45-12:00, **E114-011**

RESONANCE EMISSION OF OXYGEN IONS IN THE TERRESTRIAL POLAR WIND

Atsushi Yamazaki, Ichiro Yoshikawa, Makoto Taguchi, other

5/19, 12:00-12:15, **E114-012**

Moving meso-scale plasma precipitation in the cusp

Satoshi Taguchi, Shin Suzuki, Keisuke Hosokawa, other

E114: (M-I Coupling)
poster Convention Hall

5/18, **E114-P001**

Status report on SuperDARN Hokkaido radar (2009.5)

Nozomu Nishitani, Takashi Kikuchi, Tadahiko Ogawa, other

5/18, **E114-P002**

SuperDARN and EISCAT observation of artificially induced field aligned irregularities (4)

Akira Sessai Yukimatu, Koji Nishimura, Yasunobu Ogawa, other

5/18, **E114-P003**

Simultaneous ground-satellite optical observations of dayside shock aurora in the Southern Hemisphere

Tetsuo Motoba, Akira Kadokura, Yusuke Ebihara, other

5/18, **E114-P004**

A production mechanism of pulsating aurora and wave-particle interactions based on REIMEI observations.

Takanori Nishiyama, Takeshi Sakanoi, Shoichi Okano, other

5/18, **E114-P005**

Pulsating auroras observed by a 30-Hz all-sky imager during the THEMIS-ground campaign

Akimitsu Nakajima, Kazuo Shiokawa, Akimasa Ieda, other

5/18, **E114-P006**

Observation of proton auroras at Husafell, Iceland.

Takamitsu Mochizuki, Takayuki Ono, Akira Kadokura, other

5/18, **E114-P007**

Side view of the plasmasphere observed by Telescope for Extreme Ultraviolet onboard KAGUYA spacecraft

Go Murakami, Ichiro Yoshikawa SELENE UPI Team

5/18, **E114-P008**

Construction of electron beam line and Examination of APD and Electrostatic Analyzer for measurement of Medium-energy electrons

Kenta Watanabe, Satoru Onodera, Yoshiharu Kurihara, other

5/18, **E114-P009**

Appearance of auroral roar and MF burst

Yuka Sato, Takayuki Ono, Natsuo Sato, other

5/18, **E114-P010**

Spatial distribution of electromagnetic field variations during the 20 November 2007 sawtooth event

Satoshi Kasahara, Yukinaga Miyashita, Taku Takada, other

5/18, **E114-P011**

Ionospheric flows near auroral breakup region before substorm expansion onsets: THEMIS and SuperDARN observations

Yukinaga Miyashita, Keisuke Hosokawa, Tomoaki Hori, other

5/18, **E114-P012**

Temporal evolution of ionospheric flows around substorm onset: high time resolution SuperDARN measurements in support of THEMIS

Keisuke Hosokawa, Yukinaga Miyashita, Tomoaki Hori, other

5/18, **E114-P013**

ULF wave energy transmission from the topside ionosphere to the ground: Modeling and ground-satellite observations

Viacheslav Pilipenko

5/18, **E114-P014**

3-dimensional Hall-MHD Simulation of Magnetosphere-Ionosphere Coupling

Hironori Tsutsui, Tatsuki Ogino, Takayuki Umeda

5/18, **E114-P015**

Role of polarization electric field generated by Hall current divergence in the magnetosphere-ionosphere coupled system

Akimasa Yoshikawa

5/18, **E114-P016**

A Study of Equatorial Pi 2 Pulsations at MAGDAS/CPMN: Toward A New Pi 2-Index

Mina Sakai, Yuki Hirayama, Terumasa Tokunaga, other

5/18, **E114-P017**

Development of WWW service to search substorms (Substorm Swift Search, S3)

Masahito Nose

5/18, **E114-P018**

An analysis of daily geomagnetic variations by using method of wavelet multiresolution decomposition

Masahiro Sasaoka

5/18, **E114-P019**

Seasonal variations of the electron density distribution in the polar region during geomagnetically quiet periods

Naritoshi Kitamura, Atsuki Shinbori, Yukitoshi Nishimura, other

5/18, **E114-P020**

Seasonal dependence of diurnal variations of SC amplitude at the magnetic equator

Atsuki Shinbori, Yuji Tsuji, Takashi Kikuchi, other

5/18, **E114-P021**

Development of DP2 type disturbance just after geomagnetic sudden commencement

Tohru Araki, Takashi Kikuchi

E115: (Space Weather)

oral 201B

5/16, 9:00-9:15, **E115-001**

Solar Activities in the Current Solar Cycle (cycle 24)

Takako Ishii, Hiroaki Isobe, Reizaburo Kitai, other

5/16, 9:15-9:30, **E115-002**

Solar activity in cycle 24 2. predictions

Hiroaki Isobe, Takako Ishii, Kazunari Shibata

5/16, 9:30-9:45, **E115-003**

Forecasting of solar activity

Akio Yoshida

5/16, 9:45-10:00, **E115-004**

Activity during solar minimum and activity during solar maximum

Shinichi Watari

5/16, 10:00-10:15, **E115-005**

Fourier power spectra analysis of Doppler shift and brightness in coronal loops observed by Hinode/EIS

Naomasa Kitagawa, Takaaki Yokoyama

5/16, 10:15-10:30, **E115-006**

SOLAR-C: The Next Solar Observing Satellite

Hirohisa Hara, Saku Tsuneta SOLAR-C Working Group

5/16, 10:45-11:00, **E115-007**

Hinode-Hinode coordinated observations of small-scale active phenomena in the solar chromosphere

Satoru UeNo

5/16, 11:00-11:15, **E115-008**

Auroral breakup and magnetotail reconnection based on Geotail and Polar observations

Akimasa Ieda

5/16, 11:15-11:30, **E115-009**

Effects of the plasma bubble on the ground-based augmentation system

Susumu Saito, Naoki Fujii, Takayuki Yoshihara

5/16, 11:30-11:45, **E115-010**

Characteristic Development of Magnetic Shear in a Flare-productive Sunspot Obtained by Hinode

Tetsuya Magara

5/16, 11:45-12:00, **E115-011**

The region-2 current driven model of the substorm

Takashi Tanaka

5/16, 12:00-12:15, **E115-012**

Overshielding associated with substorm current system

Kumiko Hashimoto, Takashi Kikuchi, Shinichi Watari

5/16, 13:45-14:00, **E115-013**

The investigation of 3-component magnetic and velocity structures of solar magnetic cancellation by Hinode satellite

Yusuke Iida, Takaaki Yokoyama, Kiyoshi Ichimoto

5/16, 14:00-14:15, **E115-014**

Substorm occurrence rate for over two decades covering Solar Cycles 22 and 23

Masahito Nose

5/16, 14:15-14:30, **E115-015**

Small-scale Jetlike Activities in Sunspots and their Driving Mechanism

Yukio Katsukawa, Jan Jurcak

5/16, 14:30-14:45, **E115-016**

On the plasma sheet variations at the time of substorm onset: A case study of THEMIS observations

Shinobu Machida, Yukinaga Miyashita, Akimasa Ieda, other

5/16, 14:45-15:00, **E115-017**

Modeling of coronal mass ejections based on the dynamical behavior of solar filament eruptions

Satoshi Morita, Daikou Shiota, Ryuho Kataoka, other

5/16, 15:00-15:15, **E115-018**

Pi2 pulsations in the MHD global simulation

Shigeru Fujita, Takashi Tanaka

5/16, 15:30-15:45, **E115-019**

Modeling Study on Predictability of Solar Eruption and Space Weather

Kanya Kusano, Daikou Shiota, Satoshi Inoue, other

5/16, 15:45-16:00, **E115-020**

Relationship between a hard X-ray source and a microwave source located around the apex of the flare loop

Satoshi Masuda, Masumi Shimojo, Kyoko Watanabe, other

5/16, 16:00-16:15, **E115-021**

GEMSIS-Sun: Drift Kinetic Modeling of Particle Acceleration and Transport in Solar Flares

Takashi Minoshima, Satoshi Masuda, Yoshizumi Miyoshi, other

5/16, 16:15-16:30, **E115-022**

GEMSIS-I: A new modeling method of ionospheric potential pattern with SuperDARN

Tomoaki Hori, Yusuke Ebihara, Yasutaka Hiraki, other

5/16, 16:30-16:45, **E115-023**

GEMSIS-Magnetosphere: Kinetic numerical modeling of the ring-current dynamics in the Earth's inner-magnetosphere

Takanobu Amano, Kanako Seki, Yoshizumi Miyoshi, other

5/16, 16:45-17:00, **E115-024**

GEMSIS-Magnetosphere: A loss mechanism of relativistic electrons in the outer radiation belt during non-magnetic storm time

Shinji Saito, Kanako Seki, Yoshizumi Miyoshi

5/17, 9:00-9:15, **E115-025**

Evolution of anemone ARs and space weather research

Ayumi Asai

5/17, 9:15-9:30, **E115-026**

Mass and He⁺ densities in Plasmaspheric Drainage Plumes

Yuki Obana, Frederick W. Menk, Ichiro Yoshikawa

5/17, 9:30-9:45, **E115-027**

Solar Proxies Pertinent to Constructing Empirical Ionospheric Total Electron Content Model

Takashi Maruyama

5/17, 9:45-10:00, **E115-028**

Hinode observations on current carrying magnetic loops responsible for solar explosive phenomena

Toshifumi Shimizu

5/17, 10:00-10:15, **E115-029**

Global magnetosphere-ionosphere current system responsible for geomagnetic disturbances

Takashi Kikuchi, Kumiko Hashimoto, Yusuke Ebihara, other

5/17, 10:15-10:30, **E115-030**

Simulation studies of the thermosphere

Hiroyuki Shinagawa, Hidekatsu Jin, Yasunobu Miyoshi, other

5/17, 10:45-11:00, **E115-031**

A statistical analysis of sudden energy release events in quiet region observed in soft X-ray.
Hiroaki Isobe, Daikou Shiota, **Yuko Hada**

5/17, 11:00-11:15, **E115-032**

Quick transmission of electromagnetic energies into the magnetosphere through the ionosphere
Yukitoshi Nishimura, Takashi Kikuchi, Atsuki Shinbori, other

5/17, 11:15-11:30, **E115-033**

Three-Dimensional MHD Simulations of Solar Flares with Plasmoid Ejection
Keisuke Nishida, Kazunari Shibata

5/17, 11:30-11:45, **E115-034**

The spatial and temporal behavior of Pc 5 ULF at ULTIMA stations during magnetic storms
Akiko Fujimoto, Terumasa Tokunaga, Shuji Abe, other

5/17, 11:45-12:00, **E115-035**

Characteristics and interpretation of ground magnetic field variations from subauroral latitude to equator during SCs
Atsuki Shinbori, Yuji Tsuji, Takashi Kikuchi, other

5/17, 12:00-12:15, **E115-036**

On the relationship between storm-time subauroral rapid flow and complex structure of the ring current
Yusuke Ebihara, Nozomu Nishitani, Takashi Kikuchi, other

5/17, 13:45-14:00, **E115-037**

A challenge of numerical modeling of SEP originated in a CME driven shock
Daikou Shiota, Ryuho Kataoka, Tooru Sugiyama, other

5/17, 14:00-14:15, **E115-038**

Solar wind structures driving the greatest radiation belt storms
Ryuho Kataoka, Yoshizumi Miyoshi

5/17, 14:15-14:30, **E115-039**

Fundamental variations of the outer radiation belt during solar cycle 21-23
Yoshizumi Miyoshi, Ryuho Kataoka

5/17, 14:30-14:45, **E115-040**

Seasonal Variation of MeV Electron Flux at Geosynchronous Orbit
Takahiro Obara, Kiyokazu Koga, haruhisa matsumoto, other

5/17, 14:45-15:00, **E115-041**

Radiation Measurement by the Light Particle Telescope for the Jason-2 Satellite
Tatsuto Komiyama, haruhisa matsumoto, tateo goka, other

5/17, 15:00-15:15, **E115-042**

Acceleration mechanism of relativistic electrons in the radiation belts by chorus emissions
Yoshiharu Omura

E115: (Space Weather) poster Convention Hall

5/16, **E115-P001**

Recurrent disturbances of Cycle 23
Shinichi Watari, Kentarou Kitamura

5/16, **E115-P002**

Effect of the heliospheric current sheet on the solar energetic particle transport
Yuki Kubo

5/16, **E115-P003**

Prediction of geomagnetic activity considering Alfvén Mach number dependence
Tsutomu Nagatsuma

5/16, **E115-P004**

Statistical analysis of NICT magnetosphere MHD simulation (solar wind and IMF dependences of ionospheric potential distribution)
Manabu Kunitake, Shinichi Watari, Hiroyuki Shinagawa, other

5/16, **E115-P005**

Imaging Riometer Observation in South American Geomagnetic Anomaly Region

Kazuo Makita

5/16, **E115-P006**

Long-term component of the variation of the Dst index

Shin'ya Nakano, Tomoyuki Higuchi

5/16, **E115-P007**

Online EE-index for the Real-time Geospace Monitoring

Tamiki Ueno, Yuji Numata, Yosuke Yamazaki, other

5/16, **E115-P008**

Relationship between ground Pc5 pulsations and relativistic electron flux at the geosynchronous orbit

Kentarou Kitamura, Shinichi Watari, Manabu Kunitake, other

5/16, **E115-P009**

Low-latitude Pc 5 Index and its database for space weather study

Manabu Shinohara, Akiko Fujimoto, Kiyohumi Yumoto, other

5/16, **E115-P010**

Pc 5 Index using dayside magnetic data from four low latitude stations

Ayumi Yamada, **Manabu Shinohara**, Kiyohumi Yumoto, other

5/16, **E115-P011**

knowledge discovery from heterogeneous dynamic systems by time series data mining - inductive computing systems for space weather

Terumasa Tokunaga, Kazuyuki Nakamura, Tomoyuki Higuchi, other

5/16, **E115-P012**

Mass transport from magnetotail to geosynchronous orbit by fast flows

Tomohiko Izutsu, Masaki Nishino, Hiroshi Hasegawa, other

5/16, **E115-P013**

Development of the high energy electron detector for ERG satellite.

Mitsuyoshi Kobayashi, Takeshi Takashima, Masafumi Hirahara, other

E116: (Ionosphere and Thermosphere)

oral 201B

5/19, 13:45-14:00, **E116-001**

Investigation of electron density profile in the high latitude ionosphere from the radio waves measured by SRP-5 sounding rocket

Keigo Ishisaka, Taketoshi Miyake, Toshimi Okada

5/19, 14:00-14:15, **E116-002**

Polar cap tongue of ionization during magnetic storm on December 14-15, 2006

Keisuke Hosokawa, Takuya Tsugawa, Kazuo Shiokawa, other

5/19, 14:15-14:30, **E116-003**

Resonance lidar observations of interactions between the middle and the upper atmospheres in the poldar region

Takuji Nakamura, Makoto Abo, Yasukuni Shibata, other

5/19, 14:30-14:45, **E116-004**

Feasibility study on a resonance lidar for the measurement of thermospheric metastable He

Makoto Abo, Chikao Nagasawa, Yasukuni Shibata

5/19, 14:45-15:00, **E116-005**

Observation of Ion Refilling Rates using Cross-phase Analysis

Yuki Obana, Frederick W. Menk, Ichiro Yoshikawa

5/19, 15:00-15:15, **E116-006**

Annual and Semi-annual Variations of Equivalent Sq Current System along the 210 MM

Yosuke Yamazaki, Kiyohumi Yumoto, Akimasa Yoshikawa

5/19, 15:30-15:45, **E116-007**

High-latitude atmospheric turbulence examined through TMA trails

James Wanliss

5/19, 15:45-16:00, **E116-008**

Radar meteor head echo studies of the sporadic meteoroid complex
Csilla Szasz, Johan Kero, Takuji Nakamura, other

5/19, 16:00-16:15, **E116-009**

Meteoroid-atmosphere interaction processes: fragmentation
Johan Kero, Csilla Szasz, Takuji Nakamura, other

5/19, 16:15-16:30, **E116-010**

Quasi-periodic echoes from nighttime Es layers observed with the SuperDARN Hokkaido radar
Tadahiko Ogawa, Nozomu Nishitani, Yuichi Otsuka, other

5/19, 16:30-16:45, **E116-011**

Nighttime MSTIDs propagating northward observed by the SuperDARN Hokkaido HF radar and GEONET
Akimitsu Ichihara, Nozomu Nishitani, Tadahiko Ogawa, other

5/19, 16:45-17:00, **E116-012**

Ground based and satellite simultaneous observations of Travelling Ionospheric Disturbances using the GPS-TEC and DEMETER data
Tatsuo Onishi, Takuya Tsugawa, Yuichi Otsuka, other

5/20, 9:00-9:15, **E116-013**

Super plasma fountain, F3 layer and ionospheric storms during prompt penetration electric field events
Nanan Balan, Kazuo Shiokawa, Yuichi Otsuka, other

5/20, 9:15-9:30, **E116-014**

Daytime 150-km echoes observed with Equatorial Atmosphere Radar in Indonesia
Naruhito Mizutani, Yuichi Otsuka, Kazuo Shiokawa, other

5/20, 9:30-9:45, **E116-015**

A study of east-west asymmetry in the bottomside structures of plasma bubbles by HF-TEP and GPS-TEC observations
Takuya Tsugawa, Takashi Maruyama, Mamoru Ishii, other

5/20, 9:45-10:00, **E116-016**

Observation of the ionospheric disturbance using the PALSAR
Masanobu Shimada, Yasushi Muraki, Yuichi Otsuka

5/20, 10:00-10:15, **E116-017**

GNU Radio Beacon Receiver network in Southeast Asia
Mamoru Yamamoto, Smitha V. Thampi, Takuya Tsugawa, other

5/20, 10:15-10:30, **E116-018**

Characteristics of ionospheric disturbance observed by an all-sky imager at Kototabang (0.0S, 100.3E)
Minoru Kubota, Mamoru Ishii, Takuya Tsugawa, other

5/20, 10:45-11:00, **E116-019**

Tomographic Observations of a 'Mid-latitude Summer Nighttime Anomaly' over Japan
Smitha V. Thampi, Mamoru Yamamoto

5/20, 11:00-11:15, **E116-020**

Ionosphere modified prior to large earthquakes - Possible role of earthquake related electric field -
Koichiro Oyama, Yoshihiro Kakinami, Jann-Yenq Liu

5/20, 11:15-11:30, **E116-021**

Fast Wind Jet At The Earth's Dip Equator
Huixin Liu

5/20, 11:30-11:45, **E116-022**

DE-2 Observations of Ionosphere-Thermosphere Coupling
Tsutomu Kondo, Shigeto Watanabe, Huixin Liu

5/20, 11:45-12:00, **E116-023**

Midnight temperature maximum simulated by a whole atmosphere GCM
Hitoshi Fujiwara, Yasunobu Miyoshi

5/20, 12:00-12:15, **E116-024**

ionospheric day-to-day and longitudinal variations studied with an atmosphere-ionosphere coupled model
Hidekatsu Jin, Yasunobu Miyoshi, Hitoshi Fujiwara, other

**E116: (Ionosphere and Thermosphere)
poster Convention Hall**

5/18, **E116-P001**

Joint Research of Student Rocket Launch with University of Alaska
Shinya Hirata, Kyosuke Iguchi, Hisashi Yamada, other

5/18, **E116-P002**

Observations of the electron density perturbation in the cusp region during ICI-2 campaign
Takumi Abe, Manabu Shimoyama, Joran Moen

5/18, **E116-P003**

Statistical study on high-speed neutral winds observed in the lower thermosphere over Longyearbyen (78.2 deg N)
Takuo Tsuda, Satonori Nozawa, Shin-ichiro Oyama, other

5/18, **E116-P004**

Influence on photoelectron by polarization electric field in polar cap
yugo kitanoya, Takumi Abe, Toshifumi Mukai

5/18, **E116-P005**

Development of four Fabry-Perot interferometers for measurements of neutral wind and temperature at high and low latitudes

Kazuo Shiokawa, Yuichi Otsuka, Shin-ichiro Oyama, other

5/18, **E116-P006**

Initial reports of DELTA-2 campaign: Neutral wind profile in auroral thermosphere by TMA released from S-310-39 rocket (2)

Takatoshi Morinaga, Yuki Yokoyama, Masa-yuki Yamamoto, other

5/18, **E116-P007**

Observational study of energy exchange between thermal and suprathermal electrons - S-310-37 sounding rocket experiment -

Manabu Shimoyama, Takumi Abe, Andrew Yau

5/18, **E116-P008**

Reflection height of tweek atmospherics during the solar cycle 21

Hiroyo Ohya, Kazuo Shiokawa, Yoshizumi Miyoshi

5/18, **E116-P009**

Relationship between the solar activity and the ionospheric conductivity and geomagnetic Sq amplitude

Masahiko Takeda

5/18, **E116-P010**

Estimation of electron density profile in the ionospheric E region by S-310-38 sounding rocket

Keigo Ishisaka, Takahiro Futatsuya, Taketoshi Miyake, other

5/18, **E116-P011**

Study on spatial structure of lower ionosphere with 2-dimensional FDTD simulations

Taketoshi Miyake, Shujiro Yoshino, Toshimi Okada, other

5/18, **E116-P012**

Multievent analysis of LSTIDs observed by Hokkaido HF radar and GEONET

Hidekazu Hayashi, **Nozomu Nishitani**, Kazuo Shiokawa, other

5/18, **E116-P013**

Study of the vertical structure of the TEC enhancement at mid-latitudes using TEC data

Yukari Goi, Akinori Saito, Michi Nishioka

5/18, **E116-P014**

A study of ionospheric disturbance using GPS occultation TEC data.

Hideki Eto, Akinori Saito, Michi Nishioka, other

5/18, **E116-P015**

Multi-spectral observations of sprite and airglow emissions by Reimei

Takeshi Sakanoi, Atsushi Yamazaki, Toru Adachi, other

5/18, **E116-P016**

High-accuracy direction-findings of Meteors and development of an automatic meteor observation system by 5ch

radio interferometer
Kazuya Noguchi, **Tomohisa Yamada**, Masa-yuki Yamamoto

5/18, **E116-P017**
Improvement in response speed of phase detection type impedance probe
Makoto Wakabayashi, Takayuki Ono, Tomonori Suzuki

5/18, **E116-P018**
Studying vertical structure of middle scale traveling ionospheric disturbance using airglow data observed at five points
Kenta Yamakawa, Akinori Saito, Minoru Kubota

5/18, **E116-P019**
Analysis of 630-nm airglow three-dimensional structure based on satellite and ground observations
Masashi Yamaoka, Toru Adachi, **Mamoru Yamamoto**, other

5/18, **E116-P020**
Analysis of structure and movement of ionospheric disturbances by using scintillations of geostationary satellite
kei imai, Shiori Gotoh, Ichiro Tomizawa

5/18, **E116-P021**
Simultaneous observations of oblique ionosonde, HFD and direction finding at Sugadaira
Yosuke Shibuta, Ichiro Tomizawa

5/18, **E116-P022**
Evaluation of usability of The Radio NIKKEI for HF Doppler observation
Ryo Chiba, Ichiro Tomizawa

5/18, **E116-P023**
Occurrence characteristics of Es structured by obtained using HF Doppler observations during 2008
Shiori Gotoh, Ichiro Tomizawa, Takashi Shibata

5/18, **E116-P024**
Verification of Faraday-TEC accuracy during attitude ETS-VIII
Takashi Uchiyama, Ichiro Tomizawa

5/18, **E116-P025**
Refinement of the global core plasma model at low latitudes using stochastic tomography technique with GPS-derived TEC
Yoshitaka Goto, Takamasa Ide, Yoshiya Kasahara

5/18, **E116-P026**
Characteristics of long-term oscillations of Equatorial ElectroJet observed by CPMN
Yuji Numata, Tamiki Ueno, Yosuke Yamazaki, other

5/18, **E116-P027**
Investigation of the relationship between equatorial electro-jet, pre-reversal enhancement and post-sunset equatorial spread-F
Jyunpei Uemoto, Takashi Maruyama, Mamoru Ishii, other

5/18, **E116-P028**
The behaviors of F-region irregularities in Taiwan during 2000, observed by ionosonde and GPS
Chien-Chih Lee

5/18, **E116-P029**
Distribution maps of ROTI and losses of lock associated with equatorial plasma bubbles
Hayato Kikuchi, Hiroyuki Nakata, Takuya Tsugawa, other

5/18, **E116-P030**
Periodic TEC fluctuations in the afternoon detected by equatorial GPS-TEC observations
Takuya Tsugawa, Takashi Maruyama, Mamoru Ishii, other

5/18, **E116-P031**
Southeast Asia low-latitude ionospheric network (SEALION) for monitoring ionospheric irregularities
Mamoru Ishii, Minoru Kubota, Takashi Maruyama, other

5/18, **E116-P032**
F3 layer during penetration electric field
Nanan Balan, Kazuo Shiokawa, Yuichi Otsuka, other

5/18, **E116-P033**

Data visualization of the ionosphere, thermosphere and mesosphere using data-showcase system, Dagik
Akinori Saito, Daiki Yoshida

E117: (Physics and chemistry in atmosphere)
oral 201B

5/18, 13:45-14:00, **E117-001**

Structure of sea-breeze fronts over Koganei-shi, Tokyo from May to June 2008
Hironori Iwai, Yasuhiro Murayama, SHOKEN ISHII, other

5/18, 14:00-14:15, **E117-002**

Field observation of 2-D water vapor distribution with a portable Raman Lidar
Shuji Ohta, Takuji Nakamura, Akihiko Terada, other

5/18, 14:15-14:30, **E117-003**

Initial results of OH airglow observation at Syowa Station, Antarctica in austral winter season of 2008
Hidehiko Suzuki, Makoto Taguchi

5/18, 14:30-14:45, **E117-004**

Cause of simultaneous enhancement of Na column density and OI-557.7nm emission observed over Japan
Mitsumu Ejiri, Takuji Nakamura, Takuya Kawahara, other

5/18, 14:45-15:00, **E117-005**

Coordinated measurements of mesospheric gravity waves during a multi-instrument/-station observation campaign
Shin Suzuki, Takuji Nakamura, Mitsumu Ejiri, other

5/18, 15:00-15:15, **E117-006**

Concentric gravity waves and instabilities in the mesosphere lower thermosphere with all-sky imagers over US and Japan
Jia Yue, **Takuji Nakamura**, Chiao Yao She, other

5/18, 15:30-15:45, **E117-007**

Head echo observation with the MU radar 25 channel interferometer: (1) Observational results for the Geminids shower
Hideaki Miyamoto, Toshio Terasawa, Takuji Nakamura, other

5/18, 15:45-16:00, **E117-008**

Day-to-day variations of the thermosphere simulated by an atmosphere-ionosphere coupled model
Yasunobu Miyoshi, Hitoshi Fujiwara, Hidekatsu Jin, other

5/18, 16:00-16:15, **E117-009**

Initial reports of DELTA-2 campaign: general description of the campaign
Junichi Kurihara, Shin-ichiro Oyama, Satonori Nozawa, other

5/18, 16:15-16:30, **E117-010**

Initial reports of DELTA-2 campaign: Neutral wind profile in auroral thermosphere by TMA released from S-310-39 rocket (1)
Masa-yuki Yamamoto, Yuki Yokoyama, Takatoshi Morinaga, other

5/18, 16:30-16:45, **E117-011**

Initial reports of DELTA-2 campaign: results from FPI
Shin-ichiro Oyama, Kazuo Shiokawa, Yuichi Otsuka, other

5/18, 16:45-17:00, **E117-012**

Initial report of DELTA2 rocket campaign: results from the EISCAT radar observations
Satonori Nozawa, Yasunobu Ogawa, Shin-ichiro Oyama, other

E117: (Physics and chemistry in atmosphere)
poster Convention Hall

5/18, **E117-P001**

Frequency locking experiment for sodium lidar observations using a sodium cell
Takuya Kawahara, Akira Oonishi, Satonori Nozawa, other

5/18, **E117-P002**

Head echo observation with the MU radar 25 channel interferometer: (2) Software development
Toshio Terasawa, Hideaki Miyamoto, Takuji Nakamura, other

5/18, **E117-P003**

Infrasound observations: analyses of infrasonic waves generated by rocket launches and development of an optical sensing method

Masa-yuki Yamamoto, Toshifumi Suzuki, Tatsuki Yamada, other

5/18, **E117-P004**

A ground-based millimeter-wave measurement of mesospheric NO₂ over Atacama, Chile

Tomoo Nagahama, Akira Mizuno, Hiroyuki Maezawa, other

5/18, **E117-P005**

Seasonal variations of Na density and MLT temperature observed by Na temperature lidar in Japan

Mitsumu Ejiri, Takuji Nakamura, Takuya Kawahara

5/18, **E117-P006**

Comparison of Dual-Doppler lidar measurements of wind with helicopter measurements

Hironori Iwai, SHOKEN ISHII, Nobumitsu Tsunematsu, other

5/18, **E117-P007**

Long-term analysis of disturbance in the winter middle atmosphere over Alaska

Kazuyo Sakanoi, Yasuhiro Murayama, Richard L. Collins, other

5/18, **E117-P008**

Diurnal wind variations observed by an MF radar at Syowa Antarctic Station

Yoshihiro Tomikawa, Masaki Tsutsumi

5/18, **E117-P009**

Gravity wave analyses using three meteor radars in northern high latitudes

Masaki Tsutsumi, Satonori Nozawa, Chris M. Hall, other

5/18, **E117-P010**

Atmospheric tidal wave in the polar mesosphere observed with MF radar

Yoshiko Koizumi-Kurihara, Satonori Nozawa, Shin-ichiro Oyama, other

E118: (Magnetospheric Physics)

oral 304

5/19, 13:45-14:00, **E118-001**

Structural development of Kelvin-Helmholtz vortices at the Earth's magnetopause

Hiroshi Hasegawa, Takuma Nakamura, Bengt U. O. Sonnerup, other

5/19, 14:00-14:15, **E118-002**

Particle mixing process by the MHD-scale Kelvin-Helmholtz vortex: Full particle simulations

Takuma Nakamura, Iku Shinohara, Hiroshi Hasegawa

5/19, 14:15-14:30, **E118-003**

Statistical analysis on the plasma dynamics of vortices at the magnetopause

Kazunori Hashimoto, Masahiro Hoshino

5/19, 14:30-14:45, **E118-004**

Formation of a broad plasma mixing layer via forward and inverse energy cascades of the Kelvin-Helmholtz instability

Yosuke Matsumoto, Kanako Seki

5/19, 14:45-15:00, **E118-005**

Formation of Cold Dense Plasma Sheet: Double Lobe Reconnection vs Kelvin-Helmholtz Instability

Mariko Hirai, Masahiro Hoshino, Kazunori Hashimoto, other

5/19, 15:00-15:15, **E118-006**

Evidence of strong deformation of the magnetotail under low Alfvén Mach number solar wind

Masaki Nishino, Masaki Fujimoto, Tai-Duc Phan, other

5/19, 15:30-15:45, **E118-007**

Plasma sheet changes caused by sudden enhancements of the solar wind pressure

Yukinaga Miyashita, Kunihiro Keika, Kan Liou, other

5/19, 15:45-16:00, **E118-008**

The SCOPE Mission

Masaki Fujimoto

5/19, 16:00-16:15, **E118-009**

Radial profile of the storm-time convection electric field in the equatorial magnetosphere: THEMIS observations
Tomoaki Hori, Yukitoshi Nishimura, Yoshizumi Miyoshi, other

5/19, 16:15-16:30, **E118-010**

On the role of variation of solar wind dynamic pressure in terrestrial oxygen outflows: FAST observations
Kanako Seki, Yao Yao, Richard C. Elphic, other

5/19, 16:30-16:45, **E118-011**

Simultaneous entry of oxygen ions originating from the Earth and Sun into the inner magnetosphere during magnetic storms

Yusuke Ebihara, Satoshi Kasahara, Kanako Seki, other

5/19, 16:45-17:00, **E118-012**

ERG Project

Yoshizumi Miyoshi, Takayuki Ono, Takeshi Takashima, other

5/20, 9:00-9:15, **E118-013**

Implications of the equinoctial effect for semi-annual variation in geomagnetic activity

Akio Yoshida

5/20, 9:15-9:30, **E118-014**

Substorm onset and pseudo breakup

Akira Morioka, Yoshizumi Miyoshi, Hiroaki Misawa, other

5/20, 9:30-9:45, **E118-015**

Excitation of substorm-FAC by slow mode disturbances in the near-earth plasma sheet

Aoi Nakamizo

5/20, 9:45-10:00, **E118-016**

Pi2-associated reduction of field line magnitudes in night-side magnetosphere

Osuke Saka

5/20, 10:00-10:15, **E118-017**

Region 2 current system measured by spacecraft and ground magnetometers during substorms

Yukitoshi Nishimura, Takashi Kikuchi, Atsuki Shinbori, other

5/20, 10:15-10:30, **E118-018**

Fast flow around the dipolarization region: THEMIS observation

Taku Takada, Tomoaki Hori, Yoshihiro Asano, other

5/20, 10:45-11:00, **E118-019**

Improved hodograph method (to identify field-line resonance on the ground) and error estimates

Hideaki Kawano, Viacheslav Pilipenko, Satoko Saita, other

5/20, 11:00-11:15, **E118-020**

Studies of interchange instability with reduced-MHD model

Yasutaka Hiraki, Kaori Sakaguchi

5/20, 11:15-11:30, **E118-021**

Ionosphere-driven versus pressure-driven interchange instability in the inner magnetosphere

Akira Miura

5/20, 11:30-11:45, **E118-022**

Reproducing displacements of geomagnetic conjugate point using a 3-D visualization system for Global MHD simulation

Satoko Saita, Akira Kadokura, Natsuo Sato, other

5/20, 11:45-12:00, **E118-023**

Multi-pixel avalanche photodiodes for medium-energy electrons and its application

Keiichi Ogasawara

E118: (Magnetospheric Physics) poster Convention Hall

5/18, **E118-P001**

Development of digital to analog converter for the digital fluxgate magnetometer

kyosuke Iguchi, Ayako Matsuoka, Takao Takahashi

5/18, **E118-P002**

Statistical analysis of generation and propagation of chorus emissions observed by GEOTAIL
Satoshi Yagitani, Mitsuru Hikishima, Motokatsu Nagayama, other

5/18, **E118-P003**

Study of interaction of multiple X-lines using two-fluid simulation
Jun Adachi, Takuma Nakamura, Masaki Fujimoto

5/18, **E118-P004**

Two types of injection region in the cusp for northward IMF as deduced from ENA observations
Manami Abe, Satoshi Taguchi, Michael R. Collier, other

5/18, **E118-P005**

Interaction of the dipolar magnetic field in the magnetotail and the fast plasma flow
Yoshihiro Asano, Iku Shinohara, Alessandro Retino, other

5/18, **E118-P006**

Three-Dimensional Global MHD Simulation of Plasma Instability in Magnetospheric Boundary Layers
Kazuhiro Ito, Tatsuki Ogino

5/18, **E118-P007**

Statistical analysis of the inner edge of the electron plasma sheet based on THEMIS observations
Satoshi Kurita, Hiroaki Misawa, Fuminori Tsuchiya, other

5/18, **E118-P008**

Large-amplitude electric fields and particle acceleration related to substorm: THEMIS event study
Kazuki Ogasawara, Yasumasa Kasaba, Yukitoshi Nishimura, other

5/18, **E118-P009**

Excitation of non-vortex plasma convections in near-Earth region at aurora expansion
Osuke Saka, Kanji Hayashi

5/18, **E118-P010**

Ring current development and ion transport: Geotail and Cluster comparison
Yumi Ono, Masahito Nose, Stephen P. Christon

5/18, E118-P011

Data contamination on the high energy particle detectors 2
Keiko T. Asai, Takeshi Takashima, Tatsumi Koi, other

5/18, **E118-P012**

Violation of the Guiding Center Approximation for Oxygen Ions in the Inner Magnetosphere during Magnetic Storms.
Kohki Shibahara, Masahito Nose

E204: (Environment Measurements by ISS JEM) oral 301A

5/21, 15:30-15:45, ***E204-001**

Current Status of Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES)
Masato Shiotani, Masahiro Takayanagi

5/21, 15:45-16:00, **E204-002**

JEM/SMILES algorithm development and data processing system
YASUKO KASAI, Philippe Baron, Jana Mendrok, other

5/21, 16:00-16:15, **E204-003**

Observation capability and the results of ground tests of JEM/SMILES
Satoshi Ochiai, Kenichi Kikuchi, Toshiyuki Nishibori, other

5/21, 16:15-16:30, ***E204-004**

Space Environment Data Acquisition Equipment-Attached Payload (SEDA-AP) on the International Space Station
Kiyokazu Koga, haruhisa matsumoto, Takahiro Obara, other

5/21, 16:30-16:45, ***E204-005**

Imaging observation of the Earth's upper atmosphere by ISS-IMAP mission
Akinori Saito, Takumi Abe, Takeshi Sakanoi, other

5/21, 16:45-17:00, **E204-006**

Global measurements of lightning and sprites from International Space Station: JEM-GLIMS mission

Mitsuteru Sato, Tomoo Ushio, Takeshi Morimoto, other

**E204: (Environment Measurements by ISS JEM)
poster Convention Hall**

5/20, **E204-P001**

MPAC&SEED experiment on the International Space Station

Yugo Kimoto

5/20, **E204-P002**

Visible airglow observation by VISI on ISS-IMAP: Current status of development and simulation of airglow measurement

Takeshi Sakanoi, Yuichi Otsuka, Atsushi Yamazaki, other

5/20, **E204-P003**

Development of Atmosphere-Ionosphere Coupled Model in cooperation with ISS-IMAP Project

Hitoshi Fujiwara, Yasunobu Miyoshi, Hidekatsu Jin, other

**E205: (Lightning phenomena in Earth and planets)
oral 201B**

[Presentation in English]

5/18, 9:00-9:15, ***E205-001**

VLF wave Particle precipitation Mapper (VPM)

Inan Umran

5/18, 9:15-9:30, ***E205-002**

BALLOON OBSERVATIONS OF LIGHTNING AND ELECTRIC FIELDS CLOSE TO ACTIVE CONVECTIVE CELLS

Jean-Jacques Berthelier

5/18, 9:30-9:45, ***E205-003**

HF and VLF electromagnetic waves recorded by DEMETER during thunderstorm activity

Michel Parrot

5/18, 9:45-10:00, ***E205-004**

Recent Observations of Western Mediterranean TLE: SAFIR Intracloud Lightning and High-Speed Video Recordings

Oscar van der Velde

5/18, 10:00-10:15, ***E205-005**

High-altitude observations of high-energy gamma rays and electrons from thunder activity

Harufumi Tsuchiya, Teruaki Enoto, Tatsuo Torii, other

5/18, 10:15-10:30, ***E205-006**

Improvements in the WWLLN network: Improving Detection Efficiencies Through More Stations and Smarter Algorithms

Craig Rodger

5/18, 10:45-11:00, ***E205-007**

Modelling the global electric circuit, lightning, sprites, jets and elves

Michael Rycroft

5/18, 11:00-11:15, ***E205-008**

Charging of layer cloud edges in overcast conditions

Giles R. Harrison

5/18, 11:15-11:30, ***E205-009**

Extraterrestrial Sprites

Yoav Yair

5/18, 11:30-11:45, ***E205-010**

Volcanic Lightning on Earth and Beyond

Tamsin Mather

5/18, 11:45-12:00, ***E205-011**

The Martian Atmospheric Electrical Environment

Karen Aplin

5/18, 12:00-12:15, ***E205-012**

Lightning activity in the Saturnian system

Georg Fischer

**E205: (Lightning phenomena in Earth and planets)
poster Convention Hall**

[Presentation in English]

5/28, **E205-P001**

Seasonal variations of global lightning and TLE occurrence distributions derived from ELF measurements
Mitsuteru Sato, Yukihiro Takahashi, Kozo Yamashita, other

5/28, **E205-P002**

Development of photometers onboard the TARANIS satellite and JEM-GLIMS
Kengo Yoshita, Mitsuteru Sato, Yukihiro Takahashi, other

5/28, **E205-P003**

Charge moment change distribution of lightning discharge and occurrence probability of terrestrial gamma-ray flashes
Hiromi Kase, Yukihiro Takahashi, Takeru Uno, other

5/28, **E205-P004**

Sprites over Africa during the AMMA with Multiple Electromagnetic Detections of Their Parent Lightning Flashes
Yasuhide Hobara, Earle Williams, Robert Boldi, other

5/28, **E205-P005**

Estimates of the net-current by lightning discharge in global electric circuit
Kozo Yamashita, Yukihiro Takahashi, Mitsuteru Sato, other

5/28, **E205-P006**

Observations of high-energy electrons and gamma rays from winter thunderclouds
Teruaki Enoto, Harufumi Tsuchiya, Hiroshi Kato, other

5/28, **E205-P007**

Numerical modeling of moist convection in Jupiter's atmosphere and lightning observation in a future explorer mission
Ko-ichiro SUGIYAMA, Masatsugu Odaka, Kensuke Nakajima, other

5/28, **E205-P008**

Purpose of RISING satellite mission
Yukihiro Takahashi

5/28, **E205-P009**

Chain connection global-circuit model for the explanation of phase difference of atmospheric electric field
Yoshihisa Kimura, Masashi Kamogawa

**E206: (Lithosphere-Ionosphere Coupling)
*oral 202**

[Presentation in English]

5/21, 9:00-9:15, **E206-001**

Seismic and acoustic wave excitations in a single system of solid earth and atmosphere: the 2008 Iwate-Miyagi Nairiku Earthquake
Hiromichi Nagao, Naoki Kobayashi, Yoshio Fukao, other

5/21, 9:15-9:30, **E206-002**

Excitation of 3.9 mHz periodic ionospheric variations by acoustic wave following the large earthquakes
Nithiwatthn Choosakul, Akinori Saito

5/21, 9:30-9:45, **E206-003**

Acoustic resonance between ground and ionosphere at the total eclipses
Toshihiko Iyemori

5/21, 9:45-10:00, **E206-004**

Earth's background free oscillation detected by GPS-TEC
Masaru Ozeki, Kosuke Heki

5/21, 10:00-10:15, ***E206-005**

Pre-earthquake and Co-seismo Ionospheric Signatures Observed in Taiwan
Jann-Yenq Liu

5/21, 10:15-10:30, ***E206-006**

Ionospheric perturbations observed by the satellite DEMETER during seismic activity

Michel Parrot

**E206: (Lithosphere-Ionosphere Coupling)
poster Convention Hall**

[Presentation in English]

5/20, **E206-P001**

Statistical and case studies of TEC anomalies associated with large earthquakes in Sumatra region, Indonesia
Masahide Nishihashi, Katsumi Hattori, Jann-Yenq Liu

5/20, **E206-P002**

A Study on Equatorial Pc3-4 Pulsations in the Philippines: Toward Earthquake Prediction
Maria Gracita C. Cardinal, Kiyohumi Yumoto, Akeem Babatunde Rabi

5/20, **E206-P003**

TEC over Japan during seismically active period in May - August 2008
Elvira Astafyeva

5/20, **E206-P004**

Directivity of propagation and the waveform of TEC perturbation associated with large earthquake of 5 September 2004
Elvira Astafyeva

5/20, **E206-P005**

Field-line resonance caused by lower atmospheric disturbances
Kent Taira, Toshihiko Iyemori, Mitsuru Matsumura

**F119: (Atmospheric Chemistry)
oral 101**

5/20, 9:00-9:15, **F119-001**

Atmospheric halocarbon trends in East Asia and investigation of VOC emissions from China
Yoko Yokouchi, Takuya Saito, Hitoshi Mukai

5/20, 9:15-9:30, **F119-002**

Trends and interannual variability of atmospheric methane over the western Pacific: Latitudinal differences in recent regrowth
Yukio Terao, Hitoshi Mukai, Yukihiro Nojiri, other

5/20, 9:30-9:45, **F119-003**

Temporal variations of atmospheric methane and its carbon and hydrogen isotopic ratios observed at Ny-Alesund, Svalbard
Taku Umezawa, Shuji Aoki, Shinji Morimoto, other

5/20, 9:45-10:00, **F119-004**

Realtime carbon dioxide isotope ratios (^{13}C , ^{18}O) measured in ambient air, and from plant processes.
Julie Pearce, Tomoki Nakayama, Yutaka Matsumi, other

5/20, 10:00-10:15, **F119-005**

Approaches for mitigation of greenhouse gas emission from agricultural fields
Shigeto Sudo

5/20, 10:15-10:30, **F119-006**

Observation of Radon-222 Concentration in Air and Sea Water in Arctic Sea.
Hiromi Yamazawa, Noriyuki Oya, Shigeki Tasaka, other

5/20, 10:45-11:00, **F119-007**

Prediction of Diffusion of Cs-137 Atmospheric Contamination near Chernobyl Using Levy Flights
Yukihiro Hada, Yuko Hatano

5/20, 11:00-11:15, **F119-008**

Modeling Study on Spatial and Temporal Variations of Aerosols and their optical properties around Beijing
Hitoshi Matsui, Makoto Koike, Yutaka Kondo, other

5/20, 11:15-11:30, **F119-009**

Influences on aerosol optical properties and CCN activities due to variability of size distributions of black carbon
Naga Oshima, Makoto Koike, Yutaka Kondo

5/20, 11:30-11:45, **F119-010**

Variation of absorption and scattering coefficients of single diameter black carbon aerosol with coating
Takeshi Kinase, Kazuyuki Kita, Tomoki Nakayama, other

5/20, 11:45-12:00, **F119-011**

Could secondary organic aerosols act as brown carbon?: Laboratory studies of aerosol absorption
Tomoki Nakayama, Yutaka Matsumi, Akihiro Yamazaki, other

5/20, 12:00-12:15, **F119-012**

Hygroscopic properties and chemical composition of atmospheric aerosols -Laboratory and field experiments using an HTDMA-

Michihiro Mochida

5/20, 13:45-14:00, **F119-013**

Waterspouts as Offshore-Tornadoes formed over Petroleum Deposits in Mississippi Delta

Shuji Mori

5/20, 14:00-14:15, **F119-014**

Current status of the NICT boundary layer remote-sensing project

Yasuhiro Murayama, Hironori Iwai, Seiji Kawamura, other

5/20, 14:15-14:30, **F119-015**

Characterization of the OMI tropospheric NO₂ measurements in East Asia based on a robust validation comparison

Hitoshi Irie, Yugo Kanaya, Hisahiro Takashima

5/20, 14:30-14:45, **F119-016**

JEM/SMILES Observation Capability

YASUKO KASAI, Philippe Baron, Jana Mendrok, other

5/20, 14:45-15:00, **F119-017**

JEM/SMILES level2 data processing strategy for retrieval of stratospheric BrO

Hiroo Hayashi, Koji Imai, Chikako Takahashi, other

5/20, 15:00-15:15, **F119-018**

Validation and temporal variation of vertical profiles of ozone observed with Fourier transform spectrometer

Hidemi Goto, Isao Murata, Hideaki Nakajima, other

5/20, 15:30-15:45, **F119-019**

The sources and reactions of aerosols inferred from the chemical composition of snow

Issei Suzuki, Koichi Watanabe, Tasuku Akagi

5/20, 15:45-16:00, **F119-020**

Diurnal variations in aromatic hydrocarbons in urban air of Nagoya

Ippei Nagao, Shinji Saito

5/20, 16:00-16:15, **F119-021**

Aircraft observation around the East China Sea area in the spring of 2008 - LEXTRA

Akinori Takami, Kei Sato, Atsushi Shimizu, other

5/20, 16:15-16:30, **F119-022**

Continuous observations of NO₂ and aerosols by a MAX-DOAS network over Japan, Korea, China, and Russia

Yugo Kanaya, Hitoshi Irie, Hisahiro Takashima, other

5/20, 16:30-16:45, **F119-023**

Multi-scale Analysis on Speciation of Toxic Metals in Urban Dust (SRM 1649a) and Indoor Dust (SRM 2584)

Mingyu Jiang, **Satoshi Utsunomiya**

5/20, 16:45-17:00, **F119-024**

Chemical and optical characterization of atmospheric aerosols at the Observatory for Atmospheric Research at Phimai, Thailand

Haruo Tsuruta

F119: (Atmospheric Chemistry) poster Convention Hall

5/20, **F119-P001**

Geological Significance in Tornado Formation in Site-Specific Repeatability

Shuji Mori

5/20, **F119-P002**

Measurement of Atmospheric CO₂ Column Density with a Fabry Perot Interferometer and a Fiber Etalon
Toshio Ibuki, Masahiro Kawasaki, Gen Inoue

5/20, **F119-P003**

Development of small-size balloon instruments equipped with CO₂ sensors
Yutaka Matsumi, Tomoyuki Ide, Tomoki Nakayama, other

5/20, **F119-P004**

Vertical and latitudinal differences of CO₂ seasonal variation observed by commercial airliners
Toshinobu Machida, Hidekazu Matsueda, Yousuke Sawa

5/20, **F119-P005**

Development of CO₂ measurement system in a remote area under harsh observation environment -a case of Mt, Fuji-
Atsuko Sunaga, Yukihiro Nojiri, Hitoshi Mukai

5/20, **F119-P006**

Estimation of the emission sources based on the relationship between atmospheric O₂ and CO₂ variations at Hateruma and Ochi-ishi
Megumi Kubo, Yasunori Tohjima, Hiroaki Yamagishi, other

5/20, **F119-P007**

Soil microbes degrade carbonyl sulfide -precursor of aerosol-
Hiromi Kato, Yoko Katayama

5/20, **F119-P008**

High-resolution modeling of greenhouse gases using GPV meteorological dataset
Dmitry Belikov, Yuji Koyama, Takayuki Miyasaka, other

5/20, **F119-P009**

Continuous measurement of atmospheric methane concentration using 9-tower network over Siberia
Motoki Sasakawa, Kou Shimoyama, Toshinobu Machida

5/20, **F119-P010**

Isotope analysis of N₂O from animal manure composting
Ryosuke Shimojima, Sakae Toyoda, Naohiro Yoshida, other

5/20, **F119-P011**

Nitrous oxide seasonal variations between the surface and the upper troposphere
Kentaro Ishijima, Prabir Patra, Toshinobu Machida, other

5/20, **F119-P012**

Impact of emission from anthropogenic source to CO concentration in the troposphere: evaluation by using a chemical AGCM
Hisashi Yashiro, Kengo Sudo, Masayuki Takigawa, other

5/20, **F119-P013**

Atmospheric monitoring of carbon monoxide over the Pacific Ocean by utilizing a commercial cargo vessel
Hideki Nara, Yukihiro Nojiri, Hiroshi Tanimoto, other

5/20, **F119-P014**

Evaluating impacts on the air quality by the field burning of crop residue at the North China Plain
Kazuyo Yamaji, Masayuki Takigawa, Jie Li, other

5/20, **F119-P015**

Horizontal distribution of fine-mode aerosol over the Kanto Area in summer, 2007
Yu Morino, Toshimasa Ohara, Shuichi Hasegawa, other

5/20, **F119-P016**

Mass spectrometric study of secondary organic aerosol from the photooxidation of aromatic hydrocarbons
Kei Sato, Akinori Takami, Tasuku Isozaki, other

5/20, **F119-P017**

Heterogeneous reaction of HO₂: Measurement of uptake coefficients by aerosol particles sampled in the ambient air
Fumikazu Taketani, Yugo Kanaya, Pakpong Pochanart, other

5/20, **F119-P018**

Anion-catalyzed NO₂ dissolution on aqueous microdroplets: A new source of HONO?
Akihiro Yabushita, Shinichi Enami, Masahiro Kawasaki, other

5/20, **F119-P019**

Kinetic studies of the reaction of ethyl iodide with chlorine atoms

Ryuichi Wada, Ramesh C. Shama, Mark A. Blitz, other

5/20, **F119-P020**

Cl-initiated oxidation of alkyl acetates in the troposphere

Jia-Hua Xing, Kenshi Takahashi, Michael D. Hurley, other

5/20, **F119-P021**

Aerosol mass spectrometry measurements at an urban site of Tokyo in the summer of 2008

Jia-Hua Xing, Kenshi Takahashi, Akihiro Yabushita, other

5/20, **F119-P022**

Simultaneous measurements of optical and chemical properties of aerosols in central Tokyo during summer 2008

Tomoki Nakayama, Rie Hagino, Yutaka Matsumi, other

5/20, **F119-P023**

Aerosol measurements at an urban site of Tokyo in the summer of 2008 using a laser-ionization single-particle mass spectrometer

Takashi Kinugawa, Akihiro Yabushita, Masahiro Kawasaki, other

5/20, **F119-P024**

Continuous monitoring of urban air quality with a pulsed DOAS technique

Yasuaki Kambe, Yotsumi Yoshii, Kenichi Tonokura, other

5/20, **F119-P025**

On the mineral compositions of clays in Asian dust

Mariko Sekiya, **Jun Kameda**, Shinichiro Wada, other

5/20, **F119-P026**

Variation of surface ozone and CO concentrations at a remote area in Thailand

Kazuyuki Kita, Seiichiro Yonemura, Pakpong Pochanart

5/20, **F119-P027**

Measurements of fast varying emission factors of atmospheric pollutants

Jun Matsumoto

5/20, **F119-P028**

The observation of NO_x by using an automated continuous NO_x analyzer with molybdenum and photolytic NO₂ converters

Shigeru Hashimoto, Hitoshi Mukai, Hiroshi Tanimoto

5/20, **F119-P029**

Increase in springtime tropospheric ozone at a mountainous site in Japan for the period 1998-2006

Hiroshi Tanimoto

5/20, **F119-P030**

Aerosol and gas profile observation by MAX-DOAS on a research vessel

Hisahiro Takashima, Hitoshi Irie, Yugo Kanaya, other

5/20, **F119-P031**

The observation of Asian tropospheric pollutants from geo-stationary satellite

Kazutoshi Sagi, Philippe Baron, Kodai Suzuki, other

5/20, **F119-P032**

Capability study for atmospheric minor species with JEM/SMILES

Chikako Takahashi, Makoto Suzuki, Hiroo Hayashi, other

5/20, **F119-P033**

The JEM/SMILES limb sounder: Presentation of the NICT research data processing chain.

Philippe Baron

5/20, **F119-P034**

Development of JEM/SMILES Level 2 Data Processing System

Chihiro Mitsuda, Chikako Takahashi, Makoto Suzuki, other

5/20, **F119-P035**

Optimization of the Voigt algorithms for the ISS/JEM/SMILES L2 data processing system

Koji Imai, Makoto Suzuki, Chikako Takahashi, other

5/20, **F119-P036**

Tropospheric and lower stratospheric ozone variations in India
Yutaka Kobashigawa, Masatomo Fujiwara

5/20, **F119-P037**

Seasonal change of methane observed over Alaska with ground-based FTIR spectrometer.
Akiko Kagawa, YASUKO KASAI, Philippe Baron, other

5/20, **F119-P038**

A ground-based millimeter-wave measurement of stratospheric ClO over Atacama, Chile
Toshihisa Kuwahara, Akira Mizuno, Tomoo Nagahama, other

5/20, **F119-P039**

Development of THz band superconducting hot-electron bolometer mixer for atmospheric and astronomical observations
Tetsuya Yamakura, Hiroyuki Maezawa, Naomasa Nakai, other

F207: (SPARC)

oral 101

5/21, 9:00-9:15, **F207-001**

Seasonal variation of ozone over the Northern subtropical region revealed by ozonesonde observations in Hanoi
Shin-Ya Ogino, Masatomo Fujiwara, Masato Shiotani, other

5/21, 9:15-9:30, **F207-002**

Seasonal to long-term variations of water vapor in the tropical lower stratosphere observed with balloon-borne hygrometers
Masatomo Fujiwara, Fumio Hasebe, Masato Shiotani, other

5/21, 9:30-9:45, **F207-003**

Change of the vertical gradient of stratospheric CO₂ concentration
Satoshi Sugawara, Takakiyo Nakazawa, Shuji Aoki

5/21, 9:45-10:00, **F207-004**

Characterization of polar stratospheric clouds at Ny-Alesund, Norway
Hideaki Nakajima, Isao Murata, Kosuke Saeki, other

5/21, 10:00-10:15, **F207-005**

A tropopause inversion layer in the polar region
Yashiro Nishimura, **Yoshihiro Tomikawa**, Takashi Yamanouchi

5/21, 10:15-10:30, **F207-006**

Scientific Targets of Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES)
Masato Shiotani, Makoto Koike

5/21, 10:45-11:00, **F207-007**

Ozone and halogen recovery times in the future stratosphere calculated by the CCSR/NIES CCM under the CCMVal-REF2 scenario
Hideharu Akiyoshi, Yousuke Yamashita, Kei Sakamoto, other

5/21, 11:00-11:15, **F207-008**

The chemistry climate model results to the solar cycle and volcanic aerosol during 1980-2000
Yousuke Yamashita, Kei Sakamoto, Hideharu Akiyoshi, other

5/21, 11:15-11:30, **F207-009**

Influence of Lower Stratospheric Ozone Variation on Tropospheric Climate in the Northern Hemisphere Summer
Tetsu Nakamura, Hideharu Akiyoshi, Yousuke Yamashita

5/21, 11:30-11:45, **F207-010**

Gravity Wave Generation and Propagation in the Middle Atmosphere Revealed by a High-Resolution GCM
Kaoru Sato, Shingo Watanabe, Yoshio Kawatani, other

5/21, 11:45-12:00, **F207-011**

The roles of 3-dimensional propagating gravity waves and equatorial trapped waves on driving the Quasi Biennial Oscillation
Yoshio Kawatani, Kaoru Sato, Shingo Watanabe, other

5/21, 12:00-12:15, **F207-012**

A study of gravity waves in the middle and high latitudes regions of the Southern Hemisphere using a high-resolution

GCM

Satoshi Tateno, Kaoru Sato, Shingo Watanabe, other

5/21, 13:45-14:00, **F207-013**

Diurnal wind variations in the upper troposphere and lower stratosphere observed with the MU radar and global reanalysis data

Takatoshi Sakazaki, Masatomo Fujiwara, Hiroyuki Hashiguchi

5/21, 14:00-14:15, **F207-014**

The Lifetime and Longitudinal variation of the Kelvin waves around the Tropical Tropopause Region

Junko Suzuki, Masato Shiotani, Noriyuki Nishi, other

5/21, 14:15-14:30, **F207-015**

Quasi-Stationary Temperature Structure in the Upper Troposphere over the Tropical Indian Ocean Inferred from RO Data

Noriyuki Nishi, Eriko Nishimoto, Hiroo Hayashi, other

5/21, 14:30-14:45, **F207-016**

On the three-dimensional residual circulation and wave activity flux of the primitive equations

Takenari Kinoshita, Kaoru Sato, Yoshihiro Tomikawa

5/21, 14:45-15:00, **F207-017**

A comparison of Brewer-Dobson Circulations in Reanalysis

Toshiki Iwasaki, Kazuyuki Miyazaki

5/21, 15:00-15:15, **F207-018**

Variability of predictability limits in the Northern Hemisphere stratosphere during recent winters

Tomoko Ichimaru, **Toshihiko Hirooka**, Hitoshi Mukougawa

5/21, 15:30-15:45, **F207-019**

The dynamical influences of the equatorial QBO on the winter stratospheric circulation in the Northern Hemisphere

Hiroaki Naoe, Kiyotaka Shibata

5/21, 15:45-16:00, **F207-020**

The relationship between the stratospheric QBO and tropospheric circulation in the Northern hemisphere autumn

Makoto Inoue, Masaaki Takahashi

5/21, 16:00-16:15, **F207-021**

Structure of extreme NAM events in the simulation of a chemistry-climate model driven by observed forcings

Kiyotaka Shibata

5/21, 16:15-16:30, **F207-022**

Role of solar activity in the troposphere-stratosphere coupling in the northern and southern hemisphere winters

Yuhji Kuroda

5/21, 16:30-16:45, **F207-023**

Wave driving in the tropical lower stratosphere as simulated by WACCM: annual cycle and ENSO-induced changes

Masakazu Taguchi

5/21, 16:45-17:00, **F207-024**

Relationship among SSW, VI, PJO and AO in an idealized stratosphere-troposphere coupled model

Shigeo Yoden, Masashi Kohma, Seiya Nishizawa

F207: (SPARC) poster Convention Hall

5/20, F207-P001

Analysis of variation of tropospheric column ozone observed from space

Aya Nakatani, Ryoko Kawagishi, Sachiko Hayashida

5/20, **F207-P002**

Simulation of the aerosols produced by Mt. Pinatubo eruption and its impact to stratosphere

Taichu Tanaka, Makoto Deushi, Seiji Yukimoto

5/20, **F207-P003**

Tropical deep convection measured with A-train satellites

Suginori Iwasaki, Takashi Shibata, Hajime Okamoto, other

5/20, **F207-P004**

Ice cloud observations by sub-mm limb sounder SMILES - a sensitivity study

Jana Mendrok, **Kentaro Murata**

**G120: (Regional geology and tectonics)
oral 303**

5/16, 9:00-9:15, **G120-001**

Collapse and accretion of Permian and Triassic seamounts in the Deadman Bay terrane, the San Juan Island, Washington State, USA

Takeshi Yamagata

5/16, 9:15-9:30, **G120-002**

Pre-Himalayan uplift event and deformation of recumbent folds in Tethyan sedimentary succession of Manang area, Nepal Himalaya

Shigeyuki Suzuki, Megh Raj Dhital, Kohki Yoshida, other

5/16, 9:30-9:45, **G120-003**

Geology, geochronology and paleomagnetism of the Upper Cenozoic in the eastern part of Shimane Prefecture, SW Japan

Yoshihiro Sawada, Yoshihiro Mishiro, Tetsuya Sakai, other

5/16, 9:45-10:00, **G120-004**

The Sandstone Balls of the Shimanto Terrain in Miyazaki Prefecture, Kyushu

Shigetoshi Goto

5/16, 10:00-10:15, **G120-005**

16ch high-resolution Seismic reflection survey in the Northeastern off Okinawa Island -Tectonics of the Ryukyu Island Arc-

Kohsaku Arai, Takahiko INOUE, Taqumi TuZino, other

**G120: (Regional geology and tectonics)
poster Convention Hall**

5/17, **G120-P001**

K-Ar ages of the Miyazu Granite and Miocene volcanic rocks, Kyotango City, northern Kinki district

Atsuo Kotaki, Yoshihiro Kontani, Katsuhiko Furuyama, other

5/17, **G120-P002**

Geology of the Yoshii - Fujioka area in the northern Kanto Mountains

Akira Ono

5/17, **G120-P003**

Tectonostratigraphy of the Jurassic accretionary complexes in the Akkamori-Oguni area, North Kitakami Belt, Northeast Japan

Kei Endo, Masayuki Ehiro, Noritoshi Suzuki, other

5/17, **G120-P004**

Discovery of the Late Triassic megalodont limestone in the Shiriya area, Aomori Prefecture, Northeast Japan

Shin-ichi Sano, Noritaka Sugisawa, Takashi Shimaguchi

5/17, **G120-P005**

Chronostratigraphy of Triassic Tethyan in Manang area, Central Nepal

Kazuo Otomo, Masayuki Ehiro, Kohki Yoshida, other

5/17, **G120-P006**

Magmatism in the Tsagaandelger, East Mongolian volcanic belt

Munkhtsetseg Oidov, Hirokazu Fujimaki

**G121: (Sedimentation and surface environment)
oral 301B**

5/16, 15:30-15:45, **G121-001**

Hydrothermal oceanic sedimentation in Middle Archean: Reconstruction of the sedimentary sequence from the DXCL drilling project.

Shoichi Kiyokawa, Takashi ITO, Minoru Ikehara, other

5/16, 15:45-16:00, **G121-002**

Lithology and stratigraphy of the upper part of the Dixon Island Formation in the DXCL Drilling.
Ryo Sakamoto, Shoichi Kiyokawa, Takashi ITO, other

5/16, 16:00-16:15, **G121-003**

Carbon isotopic stratigraphy of the Torinosu-type Limestone and palaeoceanography from late Jurassic to early Cretaceous

Yoshihiro Kakizaki, Akihiro Kano

5/16, 16:15-16:30, **G121-004**

Secular variation in composition of shallow-water carbonates on submerged seamounts in the northwestern Pacific Ocean

Hideko Takayanagi, Yasufumi Iryu, Motoyoshi Oda, other

5/16, 16:30-16:45, **G121-005**

Numerical analysis for the boulder transport by the 2004 Indian Ocean tsunami at Pakarang Cape, Thailand

Kazuhisa Goto, Kiyohiro Okada, Fumihiko Imamura

5/16, 16:45-17:00, **G121-006**

Estimation of depositional age from Ariake tidal flat deposits

Toshihiko Ichihara, Shoichi Shimoyama

G121: (Sedimentation and surface environment) poster Convention Hall

5/16, **G121-P001**

The post Sturtian cap carbonate in northwestern Hunan province of China

Yoko Kunimitsu, Akihiro Kano, Aya Katsube

5/16, **G121-P002**

Floodplain Paleosols in the Phu Kradung Formation of the Mesozoic Khorat Group, NE Thailand

Yu Horiuchi, Ken-ichiro Hisada, Punya Charusiri

5/16, **G121-P003**

Paleoenvironmental changes recorded in late Triassic sediments in the Tethyan Himalaya, central Nepal

Kohki Yoshida, Akiko Yamanaka, Toshio Kawamura, other

5/16, **G121-P004**

Sedimentary facies and depositional system of the Shimanohoshi Formation in the Plio-Pleistocene Gotsu Group, Shimane Prefecture

Yasunori Sasaki, Yoshiro Ishihara

5/16, **G121-P005**

Controlling factors of size distribution of riverbed clasts; in case of Omoi River

Ken-ichiro Hisada, Kumiko Sakairi

5/16, **G121-P006**

The characteristics of the Thoen fault along the southeastern margin of the Lampang basin, Northern Thailand

Weerachat Wiwegwin, Yuichi Sugiyama, Ken-ichiro Hisada, other

5/16, **G121-P007**

Present seafloor condition based on grain size and organic geochemical properties of surface sediments in Manila Bay, Philippines

Atsuko Amano, Kwang-Hyeon Chang, Todd Miller, other

5/16, **G121-P008**

Core samples obtained from off the Enshu coast: Preliminary Report of R/V Tansei-maru KT-08-30 cruise (Part 1)

Masaaki Shirai, Akiko Omura, Takuma Ito, other

5/16, **G121-P009**

Surface sediments of deep-sea basin floor from the Kumano Trough: Preliminary Report of R/V Tansei-maru KT-08-30 cruise (Part 2)

Akiko Omura, Masaaki Shirai, Takuma Ito, other

5/16, **G121-P010**

Features and Implications of bottom sediment at dredged hollow in Lake Nakaumi

Yoshio Inouchi, Hirokazu Ichimiya, Katsushi Yanagino, other

5/16, **G121-P011**

Bottom environmental changes at sand dredged area an example -at the south of Ohmishima Island, Ehime

prefecture-

Naomichi Ide, Yoshio Inouchi, Atsuko Amano, other

5/16, **G121-P012**

Effects of sediment-settling potential on ripple morphodynamics: wave-flume experiments simulating shoaling zone

Naofumi Yamaguchi, Hideo Sekiguchi

5/16, **G121-P013**

Theory and Inverse Analysis of Equilibrium Profile of Submarine Canyons

Hajime Naruse

G122: (Geological Disposal)

oral 302

5/16, 10:45-11:00, **G122-001**

A study on geochemical characteristics of deep groundwater in Japan using a Geographic Information System (GIS)

Yoichi Oyama, Hitoshi Tsukamoto, Masaaki Takahashi, other

5/16, 11:00-11:15, **G122-002**

Long-term stability of geological environment in Japan, from the point of view of preservation of uranium deposits

Eiji Sasao

5/16, 11:15-11:30, **G122-003**

Chemical analysis of REE in calcite and retardation effect of calcite in granite around Tono uranium ore deposit

Takumi Soga

5/16, 11:30-11:45, **G122-004**

System analysis on long-term change of deep hydrochemical condition at Horonobe area, Japan

Teruki Iwatsuki, Eiichi Ishii

5/16, 11:45-12:00, **G122-005**

Collaborative project of JAEA/AIST on hydrochemical study at MIU construction site - Part 1: Colloid study -

Mizuno Takashi, Yohey Suzuki, Akari Fukuda, other

5/16, 12:00-12:15, **G122-006**

Measurement of redox potential in deep groundwater by various type of electrode.

Keita Morikawa, Teruki Iwatsuki, Shinichi Hosoya

5/16, 13:45-14:00, **G122-007**

Laboratory test based estimation of permeability and porosity in Neogene sedimentary basin at Horonobe, northern Hokkaido, Japan

Shin-ichi Uehara, Toshihiko Shimamoto, Keishi Okazaki, other

5/16, 14:00-14:15, **G122-008**

The effect of deformation on permeability and porosity of the Neogene sedimentary rocks of Horonobe area, northern Hokkaido, Japan

Keishi Okazaki, Toshihiko Shimamoto, Shin-ichi Uehara, other

5/16, 14:15-14:30, **G122-009**

Probabilistic assessment of long-term tectonic hazards for siting a HLW repository in Japan

Junichi Goto, Hiroyuki Tsuchi

5/16, 14:30-14:45, **G122-010**

Evolution of a non-volcanic hydrothermal system caused by formation of a high permeability fracture zone

Daisuke Oka, Sachio Ehara, Yasuhiro Fujimitsu, other

5/16, 14:45-15:00, **G122-011**

Study of hydrogen gas emissions around active faults and non-active faults

Tsuneari Ishimaru, Hideki Kurosawa, Hideki Kosaka, other

5/16, 15:00-15:15, **G122-012**

Evaluation of fault history by means of various dating methods available for geological disposal

Susumu Takahashi, Daichi Tanaka, Tatsuro Fukuchi, other

5/16, 15:30-15:45, **G122-013**

Hydrothermal alteration process along a clay vein in deep fractured granitic rock

Shoji Nishimoto, Hidekazu Yoshida

5/16, 15:45-16:00, **G122-014**

Preparation and refinement of Preliminary Investigation Management Manual
Shigeki Akamura, Tatsuya Tanaka, Hiroshi Shiratsuchi, other

5/16, 16:00-16:12, **G122-015**

Study on Regional and Long-term Groundwater Flow System for safety assessment on Geologic Disposal (Part 1: Summary)

Hideo Kimura, Masahiro Munakata, Ikuo Hanatani, other

5/16, 16:12-16:24, **G122-016**

Part 2: Study for Regional scale to be assessed for Long-term Groundwater Flow

Hiroataka Fuchiwaki, Hisashi Matsuba, Masahiro Munakata

5/16, 16:24-16:36, **G122-017**

Part 3: Study on Assessment Scenarios of Sea-level Change effected on Groundwater Flow System in Coastal Sedimentary rocks area

Ryutaro Sakai, Masahiro Munakata, Hideo Kimura

5/16, 16:36-16:48, **G122-018**

Part 4: Research on the Modeling Approach of Geomorphic Changes: A examination case in a Sedimentary Rock Area

Ikuo Hanatani, Masahiro Munakata, Hideo Kimura

5/16, 16:48-17:00, **G122-019**

Part 5: Long-term Groundwater Flow Analysis under Long-term Geomorphic Changes

Masahiro Munakata, Hiroataka Fuchiwaki, Ryutaro Sakai, other

G122: (Geological Disposal) poster Convention Hall

5/16, **G122-P001**

Migration of radionuclides facilitated by natural groundwater colloids.

Satoshi Utsunomiya

5/16, **G122-P002**

Investigation of tendency to long-term change in groundwater flow based on distribution of fluvial terrace.

Tsuyoshi Nohara, Masayoshi Tajikara, Ken-ichi Yasue, other

5/16, **G122-P003**

Feature of tectonic landforms derived from strains and dip-slip distribution pattern induced by strike-slip fault activities

Keita Takada, Hideaki Goto, Kyoko Kagohara, other

5/16, **G122-P004**

Analysis of geological history of Atera fault -A case study using faults and fracture system with fracture filling minerals-

Hidekazu Yoshida, Akio Nagatomo

5/16, **G122-P005**

Geological database of Quaternary volcanoes and the surrounding area

Kuniaki Nishiki, Jun'ichi Itoh, Shun Nakano

5/16, **G122-P006**

High $^3\text{He}/^4\text{He}$ ratio anomalies in the source regions of recent large earthquakes

Koji Umeda, Atusi Ninomiya

5/16, **G122-P007**

Earth surface environments and palaeoclimate during the late Last Glacial period in the Horonobe area, northern Hokkaido

Tadafumi Niizato, Yaeko Igarashi, Ken-ichi Yasue

5/16, **G122-P008**

Microbiological factors in geological disposal: mathematical model and coupling analysis

Qi Li, Kazumasa Ito

5/16, **G122-P009**

Technical know-how and decision process for characterization of geological environment

Shinji Takeuchi, Katushi Nakano, Hideaki Osawa

5/16, **G122-P010**

Technical know-how and decision process (Part 2: Hydrogeological modeling and groundwater flow simulation)

Hiromitsu Saegusa, Hideaki Osawa, Takuya Ohyama, other

5/16, **G122-P011**

Surface Hydrological Investigation of Mizunami Underground Research Laboratory Project

Atsuya Sato, Ryuji Takeuchi

5/16, **G122-P012**

Multiple lines of evidence for hydrogeological characterization in Mizunami Underground Research Laboratory Project

Ryuji Takeuchi, Hiromitsu Saegusa, Takuya Ohyama, other

5/16, **G122-P013**

Hydrogeological interpretation based on the long term pressure monitoring

Hiromichi Keya, Ryuji Takeuchi, Naruhisa Toya, other

5/16, **G122-P014**

Long-term Groundwater Pressure Monitoring around the Horonobe URL: Decrease of groundwater pressure due to the shaft excavation

Hideharu Yokota, Satoshi Yabuuchi, Goji Tomura, other

5/16, **G122-P015**

Observation results of the Deformation induced effect due to the shaft excavation in Granite area

Naruhisa Toya, Ryuji Takeuchi

5/16, **G122-P016**

Development of an experimental method for determining chemico-osmotic, hydraulic and diffusion properties of rocks

Mikio Takeda, Tsuyoshi Hiratsuka, Kazumasa Ito

5/16, **G122-P017**

Hydrochemical study at Mizunami Underground Research Laboratory (MIU)

Hiroki Hagiwara, Mizuno Takashi

5/16, **G122-P018**

Collaborative project of JAEA/AIST on hydrochemical study at MIU construction site Part 2: Biogeochemical study

Akari Fukuda, Hiroki Hagiwara, Toyoho Ishimura, other

G123: (Deformed and metamorphic rocks)

oral 301B

5/16, 9:00-9:15, **G123-001**

Prograde P-T condition of the Sanbagawa metamorphic rocks of the Kanto Mountains.

Atsushi Miyashita, Kazumasa Aoki, Soichi Omori

5/16, 9:15-9:30, **G123-002**

Mineral zoning and inclusion analysis of prograde Garnet Amphibolite schist : implication for the P-T path of Sambagawa belt

Masaaki Uno, mitsuhiro toriumi

5/16, 9:30-9:45, **G123-003**

Chemical equilibration of Grt-Pyx exsolution microstructures at mantle UHP prior to crustal UHPM in orogenic peridotite, China

Dirk Spengler, Masaaki Obata, Takao Hirajima, other

5/16, 9:45-10:00, **G123-004**

Migration of frontal thrusts in the Himalayas caused by cooling of the metamorphic nappe

Harutaka Sakai, Tohru Danhara, Hideki Iwano, other

5/16, 10:00-10:15, **G123-005**

The realities of deformation, metamorphism and fluid migration in the brittle-ductile transition zone

Toru Takeshita, Abdel-Hamid El-Fakharani, Seizo Mori

5/16, 10:15-10:30, **G123-006**

Deformation mechanism of upper greenschist- to lower amphibolite-facies metacherts: A preliminary result

Takamoto Okudaira, Daisuke Ogawa, Katsuyoshi Michibayashi

5/16, 10:45-11:00, **G123-007**

Diagenesis, dehydration and deformation of pelagic sediments in ancient subduction zone inferred from bedded chert

Kyoko Kobayashi, Asuka Yamaguchi, Gaku Kimura

5/16, 11:00-11:15, **G123-008**

Banding structure in metamorphic rocks

Jun Sasaki, Hikaru Iwamori

5/16, 11:15-11:30, **G123-009**

Where is the S-type granitic magma formed? A case study of Miocene Kumano Acidic Rock in SW Japan and its metamorphic xenoliths

Takashi Nakajima, Nobuo Geshi, Teruki Oikawa

5/16, 11:30-11:45, **G123-010**

On normal grain growth of alpha- and beta-quartz aggregate: an experimental study

Hisashi Imoto, Katsuyoshi Michibayashi

5/16, 11:45-12:00, **G123-011**

Symbolic dynamics and configuration of symmetry in the texture

mitsuhiro toriumi, Mayuko Fukuyama

5/16, 12:00-12:15, **G123-012**

Relative growth velocity of garnet in the Sambagawa metamorphic rocks

Wataru Nishikanbara

5/16, 13:45-14:00, **G123-013**

Developments of migmatites and role of viscous segregation in the Ryoke Metamorphic Complex in the Mikawa Plateau, Central Japan

Kazuhiro Miyazaki, Takashi Nakajima, Yuji Orihashi, other

5/16, 14:00-14:15, **G123-014**

Dispersion of quartz aggregates and formation of fine-grained polyphase aggregates in granitic ultramylonites

Kazuhiko Ishii, Takamoto Okudaira, Kyuichi Kanagawa, other

5/16, 14:15-14:30, **G123-015**

Ultrahigh-temperature metamorphism recorded in metamorphosed bauxite from the Red River shear zone, northern Vietnam

Nobuhiko Nakano, Yasuhito Osanai, Tatsuro Adachi, other

5/16, 14:30-14:45, **G123-016**

CHIME monazite dating of high-grade metamorphic rocks from Khao Chao, east of Chon Buri, Eastern Thailand

Tetsuo Kawakami, Yasuhito Osanai, Tomokazu Hokada, other

5/16, 14:45-15:00, **G123-017**

Metamorphic records inferred for the high-grade rocks from Austkamppane in the central Sor Rondane Mountains, East Antarctica

Tomokazu Hokada, Tatsuro Adachi, Yasuhito Osanai, other

5/16, 15:00-15:15, **G123-018**

N-S compressional and NE-SW extensional tectonics in the central Sor Rondane Mountains, Dronning Maud Land, East Antarctica

Tsuyoshi Toyoshima, Yasuhito Osanai, Sotaro Baba, other

G123: (Deformed and metamorphic rocks) poster Convention Hall

5/16, **G123-P001**

Evidence of channel flow on the basis of Pressure-Temperature-Time paths of metamorphic rocks in far-eastern Nepal

Takeshi Imayama, Toru Takeshita, Kazunori Arita, other

5/16, **G123-P002**

Mylonitization of the middle tonalite of the Hidaka Metamorphic Belt in the Satsunai-gawa River area, Hokkaido

Kohei Nishiyama, Tsuyoshi Toyoshima

5/16, **G123-P003**

Deformation-reaction and water distribution in an inner shear zone of the Ryoke belt in the Kishiwada area, Osaka Prefecture

Junichi Fukuda, Takamoto Okudaira

5/16, **G123-P004**

Metamorphic zonal mapping and the observation of zircon textures in the west of the Aoyama area, Ryoke metamorphic belt, SW Japan

Isao Yamaguchi, Tetsuo Kawakami

5/16, **G123-P005**

Eclogitic pelitic schists from the Sebadani area in the Sambagawa metamorphic belt, Besshi district, central Shikoku, Japan

Kabir Md Fazle, Akira Takasu

5/16, **G123-P006**

Chemical zoning of garnet and plagioclase in the Sambagawa metamorphic rocks from the Asemigawa river area, Shikoku

Mutsuko Inui, Mihoko Sonobe, Wataru Nishikanbara

5/16, **G123-P007**

Lognormal crystal size distribution of garnet porphyroblast from Lutzow-Holm Complex, Antarctica

Takeshi Ikeda, Kazuhiro Miyazaki

5/16, **G123-P008**

Ti solubility in quartz and zircon SHRIMP U-Pb ages of metamorphic rocks from the Sor Rondane Mountains, East Antarctica.

Tatsuro Adachi, Tomokazu Hokada, Daniel Joseph Dunkley, other

5/16, **G123-P009**

Temperature estimate of the Bt-Grt gneiss from Akarui Point, East Antarctica and biotite formation by local fluid infiltration

Aya Nakamura, Masao Kitamura, Tetsuo Kawakami

5/16, **G123-P010**

Metamorphic process and whole rock compositions of metamorphic rocks from Sanjiang region, SW China

Kazuhiro Yonemura, Yasuhito Osanai, Nobuhiko Nakano, other

5/16, **G123-P011**

Preliminary studies of the Tseel Metamorphic rocks in southeastern Mongolia

burenjargal ulziiburen, Atsushi Okamoto, Noriyoshi Tsuchiya

G124: (Geochronology)

oral 202

5/16, 9:00-9:00

Introductory talk

5/16, 9:00-9:15, **G124-001**

Unspiked K-Ar dating for submarine lavas around Kauai volcano, Hawaii

Seiko Yamasaki, Ryotaro Sawada, Takahiro Tagami, other

5/16, 9:15-9:30, **G124-002**

ESR dating of barite of marine hydrothermal vents

Shin Toyoda, Gouta Kikuchi, Junichiro Ishibashi, other

5/16, 9:30-9:45, **G124-003**

Zircon U-Pb ages of Cretaceous granitic rocks and the Ryoke metamorphic rocks from Southwest Japan

Takashi Nakajima, Yuji Orihashi, Tohru Danhara, other

G124: (Geochronology)

poster Convention Hall

5/16, **G124-P001**

On radio-active isotopes and dating problems (2)-On the mass analysis of isotopes-

Toru Ouchi

5/16, **G124-P002**

Development of un-irradiated and un-spiked laser fusion K-Ar dating: for single grain Potassium analysis

Keiko Sato, Hajimu Tamura, Hidenori Kumagai, other

5/16, **G124-P003**

JRR3 research reactor and single grain $^{40}\text{Ar}/^{39}\text{Ar}$ dating by laser step heating

Hironobu Hyodo

5/16, **G124-P004**

The LA-ICP-MS radioisotope measurement of pressed powder pellet for geochronology

Kazumi Ito, Noriko Hasebe, Shoji Arai

5/16, **G124-P005**

Fundamental study about factors of errors observed in measurement of apatite fission-track lengths
Toshiaki Nakayama, **Zuitetsu Ikuho**, Shigeru Sueoka, other

5/16, **G124-P006**

TLCIA-CIA approach to characterize lake sediments

Ayako Inagaki

**G125: (Gas hydrate)
oral Convntion Hall**

5/16, 9:00-9:15

Introductory talk

5/16, 9:15-9:30, **G125-001**

A concept and issues to construct Methane Hydrate System of the eastern Nankai Trough

Sadao Nagakubo, Satoshi Noguchi, Tatsuji Kawasaki, other

5/16, 9:30-9:45, **G125-002**

The discovery of mud ridge in the Kumano Trough by seismic reflection study

Kei Tanioka, Yasuyuki Nakamura, Ayanori Misawa, other

5/16, 9:45-10:00, **G125-003**

Possible migration front of gas-related fluid inferred from 3D-seismic data in the eastern Nankai Trough

Hironori Otsuka, Sumito Morita, Manabu Tanahashi, other

5/16, 10:00-10:15, **G125-004**

Environmental risk of resource development in methane hydrate concentrated zones in Eastern Nankai Trough area

Koji Yamamoto, Sadao Nagakubo

5/16, 10:15-10:30, **G125-005**

Enhanced recovery of methane hydrate using exothermic heat of CO₂ hydrate

Yojiro Ikegawa

5/16, 10:45-11:00, **G125-006**

Molecular and isotopic compositions of gas hydrates in the Sea of Okhotsk

Akihiro Hachikubo, Takahiro Ozeki, Hirotoishi Sakagami, other

5/16, 11:00-11:15, **G125-007**

Geochemistry of pore waters from methane hydrate-bearing sediment cores retrieved offshore Sakhalin, Russia

Hirotsugu Minami, Alexey Krylov, Hirotoishi Sakagami, other

5/16, 11:15-11:30, **G125-008**

3D seismic velocity structure below mounds and pockmarks in the deep water southwest of the Sado Island: the extended discussion

Tatsuo Saeki, Takao Inamori, Sadao Nagakubo, other

5/16, 11:30-11:45, **G125-009**

A 2-D Single Channel Seismic Interpretation on the Umitaka Spur Gas Hydrate Area, Joetsu Basin, Eastern Margin of Japan Sea

Antonio Freire, Ryo Matsumoto, Mikio Satoh, other

5/16, 11:45-12:00, **G125-010**

Anomalously low velocity sediments in gas hydrate stability zone on the Umitaka spur of Joetsu basin, eastern margin of Japan Sea

Ryo Matsumoto, Hideaki Machiyama, Antonio Freire, other

5/16, 12:00-12:15, **G125-011**

Acoustic Surveys of Methane Plumes and the Estimate of the Seeping Amount of the Methane Hydrate Bubbles

Chiharu Aoyama, Ryo Matsumoto

**G125: (Gas hydrate)
poster Convention Hall**

5/16, **G125-P001**

Reservoir characterization of methane hydrate bearing turbidite channel in the eastern Nankai Trough, Japan

Satoshi Noguchi, Naoyuki Shimoda, Tatsuo Saeki, other

5/16, **G125-P002**

Hydrocarbon compositions and crystallographic structure of natural gas hydrates recovered from Nankai trough

Masato Kida, Hiroyuki Suzuki, Jiro Nagao, other

5/16, **G125-P003**

The Saturation Level of Methane Hydrate in Natural Sediments

Tatsuji Kawasaki, Tadaaki Shimada, Satoshi Noguchi, other

5/16, **G125-P004**

Temperature effect on the isotopic fractionation of methane at a formation of synthetic methane hydrates

Takahiro Ozeki, Akihiro Hachikubo, Hirotohi Sakagami, other

5/16, **G125-P005**

Effect of gas composition on dissociation heat of mixed-gas hydrate composed of methane and ethane

Mitsuru Okuda, Akihiro Hachikubo, Hirotohi Sakagami, other

5/16, **G125-P006**

Calorimetric measurement and Raman spectroscopic analysis of natural gas hydrates in the Sea of Okhotsk

Akihiro Hachikubo, Mitsuru Okuda, Hirotohi Sakagami, other

5/16, **G125-P007**

Sub-bottom profiling and side-scan-sonar record by DAI-PACK system during Hyper-Dolphine/NT08-09 cruise off JOETSU, NIIGATA, JAPAN

Masato Joshima, Mikio Satoh, Kiyokazu Nishimura, other

5/16, **G125-P008**

Heat flow distribution around the gas hydrate field in the eastern margin of the Japan Sea: Summary of the recent measurements

Hideaki Machiyama, Masataka Kinoshita, Ryo Matsumoto, other

5/16, **G125-P009**

Concentration and isotopic ratio of dissolved methane in sediment interstitial waters and seawater, Japan sea

Kazuhiro Tsuchinaga, Osamu Ishizaki, Yasushi Ishida, other

5/16, **G125-P010**

Foraminiferal assemblage and carbon isotopic composition for the last 30,000 years off Joetsu, eastern margin of Japan Sea

Maki Suzuki, Hiroshi Nakagawa, Eiichi Takeuchi, other

5/16, **G125-P011**

Lithium isotope systematics of gas hydrate-bearing fluid off Naoetsu in Japan Sea

Yoshiro Nishio, Hideaki Machiyama, Hitoshi Tomaru, other

G126: (Drilling Earth Science)

oral 301A

5/18, 15:30 - 15:42, **G126-001**

Research initiative of Geohazard in IODP: Report from Domestic Workshop for INVEST

Yasuhiro Yamada, Ryota Hino, Reiji Kobayashi, other

5/18, 15:42-15:55, **G126-002**

Impacts of pyroclastic flows, caldera collapse, and tsunamis during large-scale volcanic eruptions -Krakatau and Kikai calderas-

Fukashi Maeno, Fumihiko Imamura

5/18, 15:55-16:08, **G126-003**

In-situ calibration of borehole strainmeter and tiltmeter at the new wells in and around the Kii Peninsula and the Shikoku Island

Norio Matsumoto, Satoshi Itaba, Yuichi Kitagawa, other

5/18, 16:08-16:21, **G126-004**

Hydraulic diffusivity around the Kamioka mine estimated from barometric response of pore pressure

Yasuyuki Kano, Takashi Yanagidani

5/18, 16:21-16:34, **G126-005**

NanTroSEIZE Overview on shallow transect and implication on the activity of mega-splay fault

Masataka Kinoshita, Harold Tobin, Juichiro Ashi, other

5/18, 16:34-16:47, **G126-006**

Evidence for metasomatism due to melt migration within deep oceanic crust: Implications from IODP Hole U1309D, Mid-Atlantic Ridge

Akiko Niino, **Jinichiro Maeda**, Toru Yamasaki, other

5/18, 16:47-17:00, **G126-007**

A new concept of Deep Rock Stress Tester (DRST) proposed for scientific deep drilling

Takatoshi Ito, Hisao Ito, Osam Sano

5/19, 9:00-9:12, **G126-008**

Study for Deep Biosphere and Subseafloor Aquifers in IODP: Report from Domestic Workshop for INVEST

Hiroyuki Yamamoto, Junichiro Ishibashi, Tomochika Tokunaga

5/19, 9:12-9:25, **G126-009**

Distribution and isotopic compositions of Archaeal membrane lipids within methane hydrate-bearing sediment (IODP exp311)

Masanori Kaneko, Hiroshi Naraoka

5/19, 9:25-9:39, **G126-010**

A method for direct evidence of microbial metabolism in deep-biosphere

Yoshinori Takano, Nanako, O. Ogawa, Yoshito Chikaraishi, other

5/19, 9:39-9:52, **G126-011**

Establishment of deep-water coral mound and evolution of early animals

Akihiro Kano

5/19, 9:52-10:04, **G126-012**

Status of and perspectives on paleoenvironmental researches in IODP: a report from the

Yasufumi Iryu, hodaka kawahata, Hiroshi Nishi, other

5/19, 10:04-10:17, **G126-013**

Reconstruction of long-term variability of the solar activity based on geomagnetic field intensity and flux of cosmogenic nuclides

Yusuke Suganuma, Yusuke Yokoyama, Hiroko Miyahara, other

5/19, 10:17-10:30, **G126-014**

Core Orientation and Reduction of Coring/Drilling Induced Magnetization

Hirokuni Oda, Toshitsugu Yamazaki

5/19, 10:45-11:00, **G126-015**

Timing of shell size increase of the foraminifer *N. pachyderma* (s) in the Pleistocene, IODP Site U1304, the North Atlantic Ocean

Makoto Yamasaki, Shun Chiyonobu, Tokiyuki Sato

5/19, 11:00-11:15, **G126-016**

Constraints on the Pleistocene chronology of sediments from the Lomonosov Ridge: IODP Expedition 302

Tatsuhiko Sakamoto

5/19, 11:15-11:30, **G126-017**

Sea-level history recorded in the Pleistocene carbonate sequence in IODP Hole 310-M0005D, off Tahiti

Yasunari Takahashi, **Yasufumi Iryu**, Kazuhiko Fujita, other

5/19, 11:30-11:45, **G126-018**

Palaeoceanographic reconstruction based on Tahiti fossil coral records during the last deglaciation

Mariko Harada, Mayuri Inoue, Atsushi Suzuki, other

5/19, 11:45-12:00, **G126-019**

Tropical/subtropical South Pacific Climate Reconstruction from Last Deglacial Corals: Results from IODP Exp. 310 Tahiti Sea Level

Ryuji Asami, Thomas Felis, Kimio Hanawa, other

5/19, 12:00-12:15, **G126-020**

COREF Project Toward understanding responses of coral reefs to Quaternary climate changes

Yasufumi Iryu, Hiroki Matsuda, Hideaki Machiyama, other

**G126: (Drilling Earth Science)
poster Convention Hall**

5/18, **G126-P001**

Science plan for Integrated Ocean Drilling Program Expeditions 319 and 322

Takahashi Kyoma IODP Department, Center for Deep Earth Exploration (CDEX), Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

5/18, **G126-P002**

Technology developments for the IODP sciences

Saneatsu Saito, Junichiro Ishibashi, Osam Sano, other

5/18, **G126-P003**

Core quantity and quality for the IODP sciences

Saneatsu Saito, Junichiro Kuroda, Junichiro Ishibashi, other

5/18, **G126-P004**

Transition between intermediate- and fast-spreading oceanic crustal structures in response to varying rate of magma supply

Susumu Umino

5/18, **G126-P005**

Distribution of radioactive iodine-129 in pore waters from the Nankai Trough

Hitoshi Tomaru, Udo Fehn, Zunli Lu, other

5/18, **G126-P006**

Structures of the sediments and strata on the offshore Joban shelf: Drilling to decipher cooling transition in Late Pliocene

Koichi Hoyanagi, Yasuyuki Nakamura, Yoshitaka Nagahashi, other

5/18, **G126-P007**

Paleoceanographic interpretation of middle Eocene Arctic Ocean based on silicoflagellate and ebridian microfossils

Jonaotaro Onodera, KOZO TAKAHASHI

G208: (Dynamics of crustal fluids) oral 202

5/16, 13:45-14:00, **G208-001**

Apparent dielectric constants of brines at 500-2000 bars and 200-550C

Kenichi Hoshino, Yuko Ueda, Tomoe Hirotsuka

5/16, 14:00-14:15, **G208-002**

Variation of salinity and gas composition of fluid inclusions in the Culebra granitic rocks of the Pallca mining area in Peru

Tomoe Hirotsuka, Kenichi Hoshino

5/16, 14:15-14:30, ***G208-003**

Three Dimensional Channeling Flow in a Network of Rock Fractures with Heterogeneous Aperture Distributions

Noriaki Watanabe, Takuya Ishibashi, Nobuo Hirano, other

5/16, 14:30-14:45, **G208-004**

Coseismic fluid reduction in seismogenic out-of-sequence thrust in ancient subduction complex

Asuka Yamaguchi, Stephen F. Cox, Gaku Kimura

5/16, 14:45-15:00, **G208-005**

Chemical reaction during an earthquake at the Taiwan Chelungpu fault

Tetsuro Hirono, TCDP Hole-B Research Group

5/16, 15:00-15:15, ***G208-006**

Experimental study for noble gas release and age reset under high-speed frictional melting

Keiko Sato, Takehiro Hirose, Hidenori Kumagai, other

5/16, 15:30-15:45, **G208-007**

Structure and Dynamics of Water on Muscovite Mica Surface

Hiroshi Sakuma, Katsuyuki Kawamura

5/16, 15:45-16:00, **G208-008**

Grain boundary wetting in halite rocks

Tohru Watanabe

5/16, 16:00-16:15, **G208-009**

Zircon production and modification in the skarns of Skallevikshalsen, East Antarctica, and the role of fluids in Zr

mobilisation

Daniel Joseph Dunkley, Yoshikuni Hiroi, Satish-Kumar Madhusoodhan, other

5/16, 16:15-16:30, **G208-010**

Spatial distribution of mineral veins at the exhumation stage of the Sanbagawa belt

Atsushi Okamoto, Keisuke Morohashi, Satish-Kumar Madhusoodhan, other

5/16, 16:30-16:45, **G208-011**

A large amount of fluid percolates along faults formed at brittle-ductile transition zones

Toru Takeshita, Abdel-Hamid El-Fakharani, Seizo Mori

5/16, 16:45-17:00, **G208-012**

Slip velocity and shear crack sealing in the subduction zone

mitsuhiro toriumi

5/17, 9:00-9:15, ***G208-013**

Electromagnetic imaging of fluids in the crust

Yasuo Ogawa

5/17, 9:15-9:30, **G208-014**

Imaging the electrical resistivity structure at the vicinity of Duzce earthquake epicenter, Turkey

Bulent Tank, Yasuo Ogawa, Yoshimori Honkura, other

5/17, 9:30-9:45, **G208-015**

Fluid enhanced element mobility along lithological contacts: An example from Skallevikshalsen, Lützwow Holm Bay, ..

Satish-Kumar Madhusoodhan, Yoshikuni Hiroi, Youichi Motoyoshi

5/17, 9:45-10:00, **G208-016**

Experimental study of aqueous fluid distribution in amphibolitic lower crust

Masamichi Abe, Michihiko Nakamura

5/17, 10:00-10:15, ***G208-017**

An in situ Raman spectroscopic investigation of aqueous zinc(II) bromide speciation to 500 deg C and 900 MPa

Kenji Mibe, I-Ming Chou, Alan J. Anderson, other

G208: (Dynamics of crustal fluids)

no poster

G209: (Geotectonic History of Japan-E. Asia)

oral 303

5/16, 10:45-11:00, ***G209-001**

Japan Sea opening process and related geodynamics

Shuichi Yanai

5/16, 11:00-11:15, ***G209-002**

Geotectonic history and structural framework of the Japanese Islands: a new proposal

Yukio Isozaki, Shigenori Maruyama, Shuichi Yanai, other

5/16, 11:15-11:30, ***G209-003**

North Fossa Magna as a right-lateral rift zone between NE and SW Japan during Japan Sea opening

Masaki Takahashi

5/16, 11:30-11:45, **G209-004**

Paleomagnetic directions of Early Miocene igneous intrusions in the eastern coast of Tsuruga Bay, Fukui Prefecture, Japan

Miho Takagawa, Hiroyuki Hoshi

5/16, 11:45-12:00, ***G209-005**

Cenozoic volcanisms and tectonic history of northern Kyushu

Tetsuya Sakuyama

5/16, 12:00-12:15, ***G209-006**

Deformation of the forearc region and along the Median Tectonic Line in southwest Japan during the opening of the Japan Sea

Toru Takeshita

5/16, 13:45-14:00, ***G209-007**

Correlation of Paleozoic-Mesozoic terranes in Japanese Islands and Far East Russia before the opening of the Sea of Japan

Satoru Kojima

5/16, 14:00-14:15, *G209-008

rogeny of the intra-continental collage in the Central Asia

Tsutomu Ota

5/16, 14:15-14:30, *G209-009

Tectonic evolution of the collided range Himalayas: Overview and its relationship to geology of East Asia

Harutaka Sakai

5/16, 14:30-14:45, *G209-010

Seismic tomography of the crust and mantle under East Asia

Dapeng Zhao

5/16, 14:45-15:00, *G209-011

Geotectonic subdivisions and evolution of Southeast Asia: Present understandings and remaining problems

Katsumi Ueno

5/16, 15:00-15:15, G209-012

Provenancial correlation between Kanmon Group, SW Japan and Gyeongsan Supergroup, Korea by age distributions of detrital zircon

Aya Katsube, Yasutaka Hayasaka

5/16, 15:30-15:45, *G209-013

Slab structure beneath the Japanese Islands and earthquake generation

Akira Hasegawa, Junichi Nakajima

5/16, 15:45-16:00, *G209-014

Tectonic and dynamic evolution of Eastern Asia since ~100 Ma: constraints from magmatism and metamorphism

Hikaru Iwamori

5/16, 16:00-16:15, *G209-015

Ongoing regional metamorphism beneath the Japanese Islands

Soichi Omori, Kazumasa Aoki, Saeko Kita, other

5/16, 16:15-16:30, *G209-016

A new model for subduction zone magma genesis in Japan arcs

Tetsu Kogiso, Soichi Omori, Shigenori Maruyama

5/16, 16:30-16:45, *G209-017

Seismic reflection surveys of crustal structures and their contributions to the research on the structural development

Tanio Ito, Hiroshi Sato

5/16, 16:45-17:00, *G209-018

LA-ICP-MS U-Pb zircon geochronology of the 'older rocks' of the Kitakami Mountains, Northeast Japan

Shigeru Otoh, Shuichi Yanai

5/17, 9:00-9:15, *G209-019

The top geological unit in Japan: The geology of Hitoegane section of Hida Marginal Belt

Takaaki Nakama, Yoshiaki Kon, Takafumi Hirata, other

5/17, 9:15-9:30, *G209-020

Metasomatism of the Hida Gaien belt indicating the subduction initiation of paleo-Pacific plate at ca. 520Ma

Keitaro Kunugiza

5/17, 9:30-9:45, *G209-021

Reconsideration of geological history of the Hitachi Cambrian Formation

Michio Tagiri

5/17, 9:45-10:00, *G209-022

Kurosegawa and Circum-Hida Belts

Ken-ichiro Hisada

5/17, 10:00-10:15, *G209-023

Paleozoic subduction metamorphism in Japan: A review and more

Tatsuki Tsujimori

5/17, 10:15-10:30, *G209-024

Ophiolites in Japan: A review at 2009

Akira Ishiwatari

5/17, 10:45-11:00, ***G209-025**

Tectono-metamorphic evolution of the Higo metamorphic terrane in Kyushu, southwest Japan

Yasuhito Osanai, Masaaki Owada, Atsushi Kamei, other

5/17, 11:00-11:15, ***G209-026**

The Ryoke metamorphic belt: a crustal-scale shear zone forming a detachment fault (MTL) in the Mid-Cretaceous SW Japan

Takamoto Okudaira

5/17, 11:15-11:30, ***G209-027**

Cretaceous subduction zone in the East-Asian margin: implication from geology of Hokkaido.

Hayato Ueda

5/17, 11:30-11:45, ***G209-028**

Chronology of the Sanbagawa Belt, Kanto Mountains, and its implications for geotectonic development of Japan

Atsushi Miyashita, Yukiyasu Tsutsumi, Hiroyoshi Arai

5/17, 11:45-12:00, ***G209-029**

Progressive metamorphism of the Sanbagawa belt revisited: Calculated P-T pseudosection for pelitic schists in the NKMnFMASH system

Kazumasa Aoki, Soichi Omori, Shigenori Maruyama

5/17, 12:00-12:15, ***G209-030**

Evolution of orogeny through Wilson Cycle

Shigenori Maruyama

G209: (Geotectonic History of Japan-E. Asia)

no poster

G210: (Geochronology of seismic fault)

oral 202

5/16, 9:55-10:00

Introductory talk

5/16, 10:00-10:15, ***G210-001**

Argon dating of paleoearthquake

Tetsumaru Itaya

5/16, 10:15-10:30, ***G210-002**

Absolute dating of earthquake faults by the ESR method- Its principle and applicable limits

Tatsuro Fukuchi

5/16, 10:30-10:45, ***G210-003**

Average shear work estimation of Nojima fault from fission-track analytical data

Masaki Murakami

5/16, 10:45-11:00, ***G210-004**

(U-Th)/He thermochronologic analysis of the Median Tectonic Line and associated pseudotachylyte.

Kunimi Yamada, Takahiro Hanamuro, Takahiro Tagami, other

5/16, 11:00-11:15, ***G210-005**

U-Th radioactive disequilibrium dating of carbonate minerals from a fault fracture zone

Shun'ichi Nakai, Yumiko Watanabe, Aiming Lin

5/16, 11:15-11:25

Break

5/16, 11:25-11:40, ***G210-006**

Results and expected dating research for the Nankai Trough megasplay and frontal thrusts

Gaku Kimura

5/16, 11:40-11:55, ***G210-007**

Fission-track dating of pseudotachylyte-current progresses

Hideo Takagi, Koji Shimada, Takeo Yasuhara, other

5/16, 11:55-12:10, ***G210-008**

Role of geochronology of seismic fault in geological disposal of high-level radioactive waste

Koji Umeda

5/16, 12:10-12:15

Discussion

**G210: (Geochronology of seismic fault)
poster Convention Hall**

5/16, **G210-P001**

Characterizing ESR signal in calcareous gouge along an active fault: Case study of Ushikubi Fault in Central Japan

Emilia Fantong, Akira Takeuchi, Ryosuke Doke

5/16, **G210-P002**

The thermal record analyses of rocks nearby Mozumi-Sukenobu fault using thermochronologic method

Zuitetsu Ikuho, Noriko Hasebe, Kunimi Yamada, other

**H127: (Water Cycle, Water Environment)
oral 201A**

5/19, 9:10-9:15

Introductory talk

5/19, 9:15-9:30, **H127-001**

Variability of evaporation over Lake Kasumigaura

Hiroya Ikura

5/19, 9:30-9:45, **H127-002**

Parameterization of bulk transfer coefficient over a lake surface

Aiko Miyano, Michiaki Sugita

5/19, 9:45-10:00, **H127-003**

A reconsideration of seasonal variation in precipitation deuterium excess over East Asia

Kimpei Ichyanagi, Kei Yoshimura

5/19, 10:00-10:15, **H127-004**

The origin of atmospheric water vapor in Eastern Siberian taiga

Akihiro Ueta, Atsuko Sugimoto

5/19, 10:15-10:30, **H127-005**

Simulation of carbon and hydrological cycles in Mongolian semiarid region

Byambakhuu Ishgaldan, Michiaki Sugita

5/19, 10:45-11:00, **H127-006**

Control factors on major element composition of suspended solids from the Ishikari River, Hokkaido, Japan

Tomohisa Irino, Seiya Nagao

5/19, 11:00-11:15, **H127-007**

Indices of dissolved organic materials in description of fluvial discharge of rare earth elements

Takeshi Matsunaga, Katsunori Tsuduki

5/19, 11:15-11:30, **H127-008**

Spatial and temporal distribution of NO₃-N in river waters in Shimosa Upland, Chiba Prefecture

Yusuke Kori, Akihiko Kondoh

5/19, 11:30-11:45, **H127-009**

Change in groundwater quality after the Miyakejima 2000 eruption

Isao Machida, Ippei Harada, SUN HOON LEE

5/19, 11:45-12:00, **H127-010**

Efficient DNA extraction method and estimation of bacterial number by real-time PCR from environmental water samples

Takahiro Asano, Yoshito Sasaki, Koji Kageyama, other

5/19, 12:00-12:15

Discussion

**H127: (Water Cycle, Water Environment)
poster Convention Hall**

5/17, **H127-P001**

A study on characteristics and water quality of streams in Ishigaki island
Arisa Yoneyama, Koji Kodera, Yoshiko Iizumi, other

5/17, **H127-P002**

Geochemistry of nitrate nitrogen pollution groundwater in the Shimousa Group, Chiba Prefecture
Yoichi Muramatsu, Hiromi Arai, Fumiya Kondo, other

5/17, **H127-P003**

A study on the river environment of Shingashi River Basin and regional design based on its water environment
Ryota Moriki, Koji Kodera

5/17, **H127-P004**

Surface hydrological investigation at Horonobe area, Hokkaido Japan-Measurement methodology for recharge rate at snowy cold region
Keisuke Maekawa, Goji Tomura, Hideharu Yokota

5/17, **H127-P005**

Diurnal and vertical dynamics of phytoplankton community structure in a shallow, tropical lake, Laguna Lake, Philippines
Eugene Herrera, Kazuo Nadaoka, Kota Ashikawa

5/17, **H127-P006**

Quantitative evaluation of deep groundwater flow by newly introduced segmentalization approach.
Takuya Yoshizawa

5/17, **H127-P007**

Examination of Recovery of Salinization of Agricultural Area in Nagapattinam, India due to Tsunami by Strontium Isotope Analysis
Takashi Kume, Chieko Umetsu, Takanori Nakano

5/17, **H127-P008**

Analyses on precipitable water vapor from GPS data in Thailand
Eri Shimonaka, Mikio Satomura, **Kazuyuki Ukei**, other

5/17, **H127-P009**

Characteristics of rainfall associated with life cycle of deep convection observed from TRMM PR and GOES-W
Toshiro Inoue

**H128: (Isotope Hydrology 2009)
oral Function Room B**

5/18, 9:00-9:05
Introductory talk

5/18, 9:05-9:25, ***H128-001**

Identification of groundwater recharges and its effect on groundwater quality in Eastern Kofu basin, using ^{18}O , D and ^{15}N
Takashi Nakamura, Yoshimi Osada, Syuntarou Ishimaru, other

5/18, 9:25-9:45, ***H128-002**

Geochemical studies on nitrate in groundwater using triple oxygen isotopes as tracers
Urumu Tsunogai, Daisuke Komatsu, Satoko Daita, other

5/18, 9:45-10:00, **H128-003**

Dating method for young groundwater using sulfur hexafluoride (SF_6)
Kazuyoshi Asai, Kazuhiro Hasegawa, Kazumi Asai

5/18, 10:00-10:15, **H128-004**

Use of Kr^{85} to understand the groundwater age- new on-site gas extraction system and its application-
Jun Shimada, Yasunori Mahara, Noriyuki Momoshima, other

5/18, 10:15-10:30, **H128-005**

Meteoric Cl^{36} in recent precipitation in Tsukuba, central Japan

Yuki Tosaki, Norio Tase, Kimikazu Sasa, other

5/18, 10:45-11:00, **H128-006**

On the $3\text{He}/4\text{He}$ ratio changes in hot spring water and gas related to the 2008 Iwate-Miyagi Nairiku Earthquake
Keika Horiguchi, Yoshihiro Shimo, Jun-ichi Matsuda

5/18, 11:00-11:15, **H128-007**

Origin of groundwater associated with natural gas in Higashi-Niigata gas field.

Michiko Ohwada, Noritoshi Morikawa, Masaaki Takahashi, other

5/18, 11:15-11:30, **H128-008**

Geochemical features and origins of hot spring waters from deep wells at a coastal plane in the forearc region of Kyushu Island

Shinji Ohsawa, Kazuhiro Amita, Makoto Yamada, other

5/18, 11:30-11:45, **H128-009**

Significance of hydrogeology in the chemical and isotope composition of formation water in different basinal environments

Iren Varsanyi, Lajos O.Kovacs

5/18, 11:45-12:00, **H128-010**

Geochemical studies on the groundwater in SW Shimane Prefecture and NE Yamaguchi Prefecture, SW Japan

Hiroaki Murakami, Kazuhiro Tanaka

5/18, 12:00-12:15, **H128-011**

Isotopic and hydrogeochemical studies of springs and groundwater in the Higashi-Hachimantai area, Iwate Prefecture

Hidekazu Suzuki, Ken Haraguchi, Norio Tase, other

5/18, 13:45-14:00, **H128-012**

Characteristics of stable isotopes in river water, groundwater and spring water in Japan

Shiho Yabusaki, Norio Tase, Yasuo Shimano

5/18, 14:00-14:15, **H128-013**

Isotopic study of stream water from the Shimanto River, Kochi and Ehime Prefectures, southwestern Japan

Masaaki Takahashi, Kohei Kazahaya, Masaya Yasuhara, other

5/18, 14:15-14:30, **H128-014**

Enhanced riverine carbon flux in carbonate catchment area: a comparative hydrogeochemical study in Ishigaki and Iriomote Islands.

Hiroyuki Ushie, hodaka kawahata, Atsushi Suzuki, other

5/18, 14:30-14:45, **H128-015**

$\delta^{15}\text{N}$ and $\delta^{18}\text{O}$ of nitrate distribution in the upstream of Ara River

Yu Tabayashi, Keisuke Koba

5/18, 14:45-15:00, **H128-016**

Study on water circulation in the Lake Ichinomegata, Oga Peninsula, using oxygen and hydrogen stable isotopes

Yukiko Kusano, Takeshi Hayashi, Makoto Kagabu

5/18, 15:00-15:15, **H128-017**

Isotopic variability in the deepest Vostok (East Antarctica) ice core suggests insufficient mixing of Lake Vostok water

ALEXEY EKAYKIN, Vladimir Lipenkov

5/18, 15:30-15:45, **H128-018**

Geochemical characteristics of groundwater at Chikushi Tunnel for Kyushu Shinkansen, Kyushu.

Sachihito Taguchi, Kazuma Hishikawa, Kazuya Shinokura

5/18, 15:45-16:00, **H128-019**

The groundwater flow system in the Aso caldera

Makoto Kagabu, Jun Shimada, Yasuo Shimano

5/18, 16:00-16:15, **H128-020**

Stable isotope of Precipitation, Spring water and Stream water in the Hakone Volcano.

Yuji Miyashita

5/18, 16:15-16:30, **H128-021**

Hydrochemical and isotopic evidence of recharge, apparent age, and flow of groundwater in Mayo Tsanaga River Basin, Cameroon.

Wilson Yetoh Fantong, Hiroshi Satake, Kazuyoshi Asai

5/18, 16:30-16:45, **H128-022**

Geochemical and isotopic map of water toward the sustainable diagnosis of aquifer environment

Takanori Nakano, Yu Saitoh

5/18, 16:45-17:00, **H128-023**

Carbon-14 concentrations of confined groundwater in the central Kanto plain, Japan

Masaya Yasuhara, Akihiko Inamura, Hiroshi Takahashi, other

H128: (Isotope Hydrology 2009) poster Convention Hall

5/18, **H128-P001**

Study on the geochemical characteristics of gross rainfall, throughfall, and stemflow during individual rainfall event

Reo Ikawa, Jun Shimada, Takanori Shimizu

5/18, **H128-P002**

Stream Water Hydrogen and Oxygen Isotope Compositions in Fuji River Basin

Syuntarou Ishimaru, Takashi Nakamura, Futaba Kazama

5/18, **H128-P003**

The chemical evolution of glacier-sourced surface water in southern Iceland

Chiho Kusuda, Yasuo Shimano, Shiho Yabusaki

5/18, **H128-P004**

The Role of River Water, Precipitation and Irrigation Water on Groundwater Recharge in Kanuma Region, Tochigi Prefecture, Japan

Akane Inaba, Maki Tsujimura

5/18, **H128-P005**

Variations in particulate organic carbon concentrations in a headwater stream

Kei Nishida

5/18, **H128-P006**

Nitrogen dynamics on the groundwater recharge in the eastern Kofu Basin

Yoshimi Osada, Takashi Nakamura, Futaba Kazama

5/18, **H128-P007**

Stables isotope (hydrogen and oxygen) characteristics of groundwater in Kathmandu valley, Nepal

Saroj Kumar, Chapagain

5/18, **H128-P008**

Hydrological characteristics revealed by tracer approach in irrigation area of Heihe river basin, northwest China

Yutaka Abe, Maki Tsujimura, Masayoshi NAKAWO

5/18, **H128-P009**

Development of sampling method of submarine spring for analysis of water chemistry, isotopes and dissolved gases (CFCs, SF₆)

Kazumi Asai, Katsuro Mogi, Kazuhiro Hasegawa, other

H129: (Groundwater and geology in urban areas) oral 201A

5/20, 13:45-13:50

Introductory talk

5/20, 13:50-14:10, ***H129-001**

Long-term change in water quality at Masugatanoike spring water and its influencing factors

Norio Ogura

5/20, 14:10-14:30, ***H129-002**

Characteristics of confined groundwater head in mainly alluvial area of Tokyo and Saitama

Noriharu Miyake

5/20, 14:30-14:45, **H129-003**

Long-term effect of bio-barrier as enhanced natural attenuation technology for CVOCs in groundwater

Makoto Nakashima

5/20, 14:45-15:00, **H129-004**

Case study of phytoremediation in Thailand
Motoyuki Asada

5/20, 15:00-15:15, **H129-005**

Analysis material movement phenomenon in soil by Continuous time random walk and Advection-diffusion equation
Yasutake Kishiro, Yuko Hatano, Toshikazu Hori, other

5/20, 15:30-15:45, **H129-006**

Transport of geochemical properties of groundwater from the northern to southern regions of Saga city
Hirotsugu Suemasu, Yoshinari Hiroshiro, shota maari, other

5/20, 15:45-16:00, **H129-007**

An attempt on understanding of chemical characteristics of groundwater beneath the Tokyo bay
Takeshi Hayashi, Akinobu Miyakoshi, Masaya Yasuhara

5/20, 16:00-16:15, **H129-008**

Experimental study on chloride ion leaching from the drilling core samples
Kazuhiro Amita, Kiyohide Mizuno, Takeshi Hayashi, other

5/20, 16:15-16:30, **H129-009**

Characteristics of groundwater and alluvial sediments in upper part of Arakawa lowland and environmental science issues
Shoichi Hachinohe, Takashi Ishiyama, Kouki Sasaka, other

5/20, 16:30-16:45, H129-010

Groundwater contamination in Tokyo and potential use in disasters
Michio Murakami, Keisuke Kuroda, Tetsuo Fukushi, other

5/20, 16:45-17:00, **H129-011**

Simulating land subsidence in the northern Kanto Plain by coupled groundwater flow/land subsidence model with nested grid scheme
Masaatsu Aichi, Tomochika Tokunaga

H129: (Groundwater and geology in urban areas) poster Convention Hall

5/19, **H129-P001**

An isotopic evaluation of groundwater component in sewage in a highly urbanized catchment, the metropolitan area, Japan
Masaya Yasuhara, Akihiko Inamura

5/19, **H129-P002**

Groundwater recharge impact by rain water infiltration device in urbanized huge city
Hiroshi Kodama

5/19, **H129-P003**

Change in groundwater and subsurface thermal environment in the Tokyo metropolitan area
Akinobu Miyakoshi, Takeshi Hayashi, Masabumi Kawai, other

5/19, **H129-P004**

Reconstruction of the ground surface temperature history from borehole temperature data in Bangkok
Hideki Hamamoto, Shusaku Goto, Monyrath Vuthy, other

5/19, **H129-P005**

Geothermal heat pump system and groundwater flow
Youhei Uchida, Kasumi Yasukawa, Norio Tenma, other

5/19, **H129-P006**

Aquifer division and distribution in the deeper part under the Osaka Plain-Etablissement of 3-D groundwater flow model-
Yusuke Morino

5/19, **H129-P007**

Estimated groundwater flow system in the Osaka basin based on the data base of groundwater chemistry
Kazuya Makino, Harue Masuda, Muneki Mitamura, other

5/19, **H129-P008**

An analysis of spatial relationship between fault systems and groundwater profile around Kobe city and western side of Osaka.

Akihiko Shibahara, Hitoshi Tsukamoto, Kohei Kazahaya, other

5/19, **H129-P009**

Restoration of Cd-contaminated Farmland by the Electrokinetic Method (1)

Tadayoshi Hitomi, Toshihiko Mieno, Keiji Shiohama, other

5/19, **H129-P010**

A column test of heavy metal adsorption with comparison of the CTRW model

Yuto Kamio, Yuko Hatano

5/19, **H129-P011**

An Experimental Study on Decreasing Groundwater Nitrate Pollution by Electric Fence Method

Toshihiko Mieno, Keiji Shiohama, Tomijiro Kubota, other

5/19, **H129-P012**

The study of the interpretation of in-situ permeability test and grain size analysis in terms of the permeability model for soils

Chisato Konishi, Tomio Inazaki

H211: (Land-Sea Interactions)

oral 201A

5/20, 10:45-10:46

Introductory talk

5/20, 10:46-10:59, **H211-001**

Comparative study of nutrient in coastal areas of groundwater and river contribution types, in Bisan Seto Inland Sea

Shin-ichi Onodera, Mitsuyo Saito, Yuta Shimizu, other

5/20, 10:59-11:12, **H211-002**

Sediment dispersal in Bering Sea by sediment load of the Yukon River, Alaska

Kazuhisa Chikita, Isao Kudo, Tomoyuki Wada, other

5/20, 11:12-11:25, **H211-003**

Variation of clay mineral assemblages in sea-bottom surface sediment and sediment core

Masashi Tsutsumi, Koichi Iijima, Makoto Okada, other, **Tatsuhiko Sakamoto**,

5/20, 11:25-11:38, **H211-004**

Water budget near the intertidal zone of Omae beach

Mitsuru Hayashi, Tomoyasu Fujii, Makoto Taniguchi

5/20, 11:38-11:51, **H211-005**

Poroelastic characteristics of seabed sediments in a tidal flat of river mouth

Koichi Kitaoka, Toru Takeuchi, Shunsuke Shinozaki, other

5/20, 11:51-12:04, **H211-006**

Estimation of spatial distribution of ungauged submarine groundwater discharges to the Osaka Bay, western Japan

Yuta Shimizu, Shin-ichi Onodera, Mitsuyo Saito, other

5/2012:04-12:15, **H211-007**

The features of submarine groundwater discharge at the coastal area, Ise bay, Japan

Ikumi Tabata, Kunihide Miyaoka

H211: (Land-Sea Interactions)

poster Convention Hall

5/20, **H211-P001**

The effect of river and groundwater discharges on spatial distribution of nutrients in Kojima bay

Yuta Shimizu, Shin-ichi Onodera, Koichi Kitaoka, other

5/20, **H211-P002**

Salinization process of coastal groundwater under the mega-cities

Shin-ichi Onodera, Mitsuyo Saito, Yuta Shimizu, other

5/20, **H211-P003**

Seasonal variation of current field and distribution of nutrient in Bisan-Seto, Seto Inland Sea.

Satoru Takahashi, Junya Miyoshi

5/20, **H211-P004**

Estimation of interaction between surface water and groundwater in a basin scale using ²²²Rn tracer
Yoshiaki Kato, Shin-ichi Onodera, Yuta Shimizu, other

5/20, **H211-P005**

Characteristics of groundwater flow and distribution of water property in the Marugame coastal plain, Kagawa prefecture
Mitsuyo Saito, Shin-ichi Onodera, Yuta Shimizu, other

5/20, **H211-P006**

Effect of nutrient load from land to the Beppu-bay
Mitsuyo Saito, Xinyu Guo, Naoki Fujii, other

5/20, **H211-P007**

Relationship between shallow groundwater quality and land use in Kagawa, Japan
Seiko Yoshikawa, Hidehiro Takahashi, Yasuko Sasada, other

5/20, **H211-P008**

Seasonal changes of red tide and nutrients in Bisan-Seto sea area
Junya Miyoshi, Satoru Takahashi

5/20, **H211-P009**

Water balance analysis of the Doki river and the Yoshii river basin, western Japan by the distributed model
Hidehiro Takahashi, Seiko Yoshikawa, Shin-ichi Onodera

5/20, **H211-P010**

Evaluation of submarine groundwater discharge in coastal aquifers at Osaka Bay, Japan
Jun Yasumoto, Yohei Shiraki, Shin-ichi Onodera, other

I 130: (Rheology and transport properties) oral 301B

5/18, 9:00-9:15, **I 130-001**

Material transfer, volume change and stress generation during the kelyphitization of garnet -Part 2
Masaaki Obata, Ichiko Shimizu, Kazuhito Ozawa, other

5/18, 9:15-9:30, **I 130-002**

Variation in water content in olivine in the Horoman peridotites and its effects on crystal plastic deformation of olivine
Kyuichi Kanagawa, Hirohisa Kamijo, Natsuko Takahashi, other

5/18, 9:30-9:45, **I 130-003**

Structural analyses of peridotite xenoliths from the Avacha Volcano, Kamchatka Peninsula
Tatsuya Oohara, Katsuyoshi Michibayashi

5/18, 9:45-10:00, **I 130-004**

Petrophysical analyses of peridotite xenoliths from Oki-Dogo Island
Takako Satsukawa, Katsuyoshi Michibayashi

5/18, 10:00-10:15, **I 130-005**

Strength of single crystal of orthopyroxene under lithospheric conditions
Tomohiro Ohuchi, Shun-ichiro Karato

5/18, 10:15-10:30, **I 130-006**

Grain-growth kinetics of ferropericlaase at high pressure
Noriyoshi Tsujino, Yu Nishihara

5/18, 10:45-11:00, **I 130-007**

Computer simulation of material transport with an SPH (Smoothed Particle Hydrodynamics) method
Yoshiaki Ida, Eisuke Fujita

5/18, 11:00-11:15, **I 130-008**

Why magnitude-frequency relationship of fault motions seems like a power-law distribution?
Hide Sakaguchi, Takane Hori, Arito Sakaguchi, other

5/18, 11:15-11:30, ***I 130-009**

Fractal geometry of fault populations and fault zones; their relations with earthquakes
Kenshiro Otsuki

5/18, 11:30-11:45, **I 130-010**

high speed friction experiments of granular layers
Osamu Kuwano, Ryosuke Ando, Takahiro Hatano

5/18, 11:45-12:00, **I 130-011**

A physical model of shear deformation in brittle-plastic transition regime; coexistence of junction slip and asperity flow

Momoko Kato, **Kohei Nagata**, Osamu Kuwano, other

5/18, 12:00-12:15, ***I 130-012**

Fault mechanics and earthquake mechanisms: current status and future perspectives

Toshihiko Shimamoto

I 130: (Rheology and transport properties) poster Convention Hall

5/17, **I 130-P001**

Synthesis of highly-dense and fine fine-grained diopside, enstatite, forsterite, and olivine aggregates by vacuum sintering method

Sanae Koizumi, Takehiko Hiraga, chihiro tachibana, other

5/17, **I 130-P002**

Diffusion mechanism of metallic elements in forsterite polycrystal

Asako Takamasa, Takehiko Hiraga, Shun'ichi Nakai, other

5/17, **I 130-P003**

Grain growth experiment on forsterite-enstatite system

chihiro tachibana, **Takehiko Hiraga**, Naoki Oohasi, other

5/17, **I 130-P004**

Preliminary experiments on two-phase grain growth kinetics in perovskite and periclase aggregates at lower mantle conditions

Naoko Atogami, Tomoaki Kubo, Akira Shimojuku, other

5/17, **I 130-P005**

Grain growth experiment on organic polycrystals as a rock analogue

Yasufumi Watanabe, Yoshiyasu Enomoto, Kosuke Goto, other

5/17, **I 130-P006**

Creep experiments on organic polycrystals as a rock analogue

Ryuichi Nishiyama, Tatsuya Kogawa, Kouichi Sakai, other

5/17, **I 130-P007**

Creep experiments on polycrystalline forsterite under atmospheric pressure

Tomonori Miyazaki, Takehiko Hiraga, Hidehiro Yoshida

5/17, **I 130-P008**

An in-situ X-ray diffraction study on the high-pressure decomposition reaction of albite under differential stresses

Naoko Doi, Takumi Kato, Rei Shiraishi, other

5/17, **I 130-P009**

Development of olivine crystal preferred orientations in the Oshima peridotite mass

Miki Tasaka, mitsuhiro toriumi

5/17, **I 130-P010**

Rock seismic anisotropy of Avacha peridotite xenoliths, Southern Kamchatka

Katsuyoshi Michibayashi, Tatsuya Oohara, Takako Satsukawa, other

5/17, **I 130-P011**

Preliminary Experiments using the Deformation-DIA Apparatus MADONNA

Takaaki Kawazoe, Norimasa Nishiyama, Yu Nishihara, other

5/17, **I 130-P012**

Mechanism of melt migration in the earth mantle studied by melt migration experiments

Tamio Kobayashi, Takehiko Hiraga, Yasuko Takei

5/17, **I 130-P013**

Analysis of the formation process for a rock texture by using a solid particles-fluid multiphase simulation

Daisuke Nishiura, Hide Sakaguchi, Hiroshi Kawabata

**I 131: (Deep Earth science)
oral 303**

5/18, 15:30-15:45, **I 131-001**

Density measurement of core forming Fe-Si liquids at high pressure
Ryuji Tateyama, Eiji Ohtani, Hidenori Terasaki, other

5/18, 15:45-16:00, **I 131-002**

Evidence for a chemical heterogeneity in the lowermost mantle using short-period array data
Koki Idehara

5/18, 16:00-16:15, **I 131-003**

Nucleation-controlled (N-type) post-spinel transformation and topography of the 660-km discontinuity by mantle flow
Tomoaki Kubo, Masayuki Nishi, Kouta Oshibuchi, other

5/18, 16:15-16:30, **I 131-004**

Slab induced flow and its controls on the back-arc basin formation
Tomoeki Nakakuki

5/18, 16:30-16:45, **I 131-005**

1-D elastic and anelastic structure of the mantle transition zone beneath Japan obtained from waveform inversion
Nobuaki Fuji, Kenji Kawai, Robert J. Geller

5/18, 16:45-17:00, **I 131-006**

Polymerization of methane molecules and release of hydrogen under the Earth's mantle conditions
Ayako Shinozaki, Hisako Hirai, Hiroyuki Kagi, other

**I 131: (Deep Earth science)
poster Convention Hall**

5/17, **I 131-P001**

Effect of hydrogen on the FeS phase diagram with in situ X-ray observation
Yuki Shibazaki, Eiji Ohtani, Hidenori Terasaki, other

5/17, **I 131-P002**

Density measurement of liquid FeS using X-ray absorption image up to 10 GPa
Keisuke Nishida, Eiji Ohtani, Akio Suzuki, other

5/17, **I 131-P003**

Fe-Ni-H₂O reaction at high pressure and high temperature
Yuh Ishida, Tadashi Kondo, Tatsuhiro Sakaiya, other

5/17, **I 131-P004**

Equation of state of fcc-Fe up to 23.5 GPa and 1873 K
Noriyoshi Tsujino, Yu Nishihara, Yoichi Nakajima, other

5/17, **I 131-P005**

Sound velocity measurement of laser-shocked iron
Hideki Takahashi, Tatsuhiro Sakaiya, Tadashi Kondo, other

5/17, **I 131-P006**

Constraints on core-mantle boundary topography from P4KP-PcP differential travel times
Satoru Tanaka

5/17, **I 131-P007**

Melting experiments of MORB at high-pressure
Naoya Nishitani, Eiji Ohtani, Akio Suzuki, other

5/17, **I 131-P008**

Phase relations of aegirine at high pressures and its effect on the transformation pressure to post-perovskite-type MgSiO₃
Taku Okada, Takehiko Yagi, Daisuke Hamane

5/17, **I 131-P009**

Elasticity of (Mg,Fe)SiO₃ perovskite under high pressure condition
Noriko Takata, Eiji Ohtani, Motohiko Murakami, other

5/17, **I131-P010**

The role of ferro-periclase in the lower mantle

Daisuke Yamazaki

5/17, **I131-P011**

Magnetic transition in (Mg,Fe)O

Atsuhiko Fujii, Tadashi Kondo, Toshifumi Taniguchi, other

5/17, **I131-P012**

Slab image improved by Stagnant Slab Project seismic networks

Masayuki Obayashi, Junko Yoshimitsu, Daisuke Suetsugu, other

5/17, **I131-P013**

S-wave triplication anomalies associated with the 660-km discontinuity overlain by the stagnant slab beneath Eastern China

Yoko Tono, Yoshio Fukao, Yuan Gao

5/17, **I131-P014**

Three-dimensional shear wave velocity structure in and around Japan by the surface wave two-station method

Kazuaki Miyake, Kazunori Yoshizawa, **Kiyoshi Yomogida**

5/17, **I131-P015**

Origin of Mg and Si rich cratonic mantle; does the Earth's deep mantle consist of pyrolite?

Kyoko Matsukage

5/17, **I131-P016**

Mantle convection with degree-one and -two dominant thermal structures

Masaki Yoshida

5/17, **I131-P017**

Possibility of hot anomaly in the sub-slab mantle

Manabu Morishige, Satoru Honda, Masaki Yoshida

5/17, **I131-P018**

Development of a 6-8-2 type multi-anvil apparatus and its application: pressure-induced phase transitions in GeO₂

takehiro kunimoto, Tetsuo Irifune

5/17, **I131-P019**

A new model for lithosphere-asthenosphere boundary and asthenosphere of oceanic plates

Hitoshi Kawakatsu, Yasuko Takei, Prakash Kumar

I212: (Dynamics and evolution of the deep Earth)
oral 303

[Presentation in English]

5/19, 9:00-9:15, **I212-001**

Density and seismic velocities of iron from first principles

Shigeaki Ono

5/19, 9:15-9:30, **I212-002**

Formation of sheet convection and helical current coils in geodynamo simulation with low Ekman number

Takehiro Miyagoshi, Akira Kageyama

5/19, 9:30-9:45, **I212-003**

Critical effect of thermal boundary condition at the core-mantle interface on generation of a strong dipole magnetic field

Ataru Sakuraba, Paul H. Roberts

5/19, 9:45-10:00, **I212-004**

Nonlocal memory effect of the alpha-effect of the dynamo

Shigeo Yoshida, Kumiko Hori

5/19, 10:00-10:15, **I212-005**

Fine-Scale Heterogeneities in the Lowermost Mantle Constrained by Broadband Tiltmeter Waveforms

Nozomu Takeuchi, Kazushige Obara

5/19, 10:15-10:30, **I212-006**

Structure analyses including spin state of the D zone materials and newly developed diffractometry at HPCAT, APS

Takamitsu Yamanaka

5/19, 10:45-11:00, **I212-007**

Electrical conductivity of pyrolitic and MORB materials at lowermost mantle condition
Kenji Ohta, Kei Hirose, Nagayoshi SATA, other

5/19, 11:00-11:15, ***I212-008**

Scale limits on free-silica seismic scatterers in the lower mantle
Craig R. Bina

5/19, 11:15-11:30, **I212-009**

Spin state of ferric iron in Mg-perovskite up to 160 GPa by X-ray emission spectroscopy
Kiyoshi Fujino, Daisuke Hamane, Yusuke SETO, other

5/19, 11:30-11:45, ***I212-010**

Constraints on dynamics and evolution of the deep Earth from mineral physics data
Yingwei Fei

5/19, 11:45-12:00, **I212-011**

Unified analyses for P-V-T EOS of MgO: A solution for P-scale problems in high P-T experiments
Yoshinori Tange, Yu Nishihara, Taku Tsuchiya

5/19, 12:00-12:15, **I212-012**

High temperature and high pressure equation of state of gold
Masanori Matsui

5/19, 13:45-14:00, **I212-013**

Seismic tomography and mantle dynamics under the polar regions
Dapeng Zhao, Yoshihiro Yamamoto, Masaki Kanao, other

5/19, 14:00-14:15, **I212-014**

Mantle evolution; dynamics of the lithosphere and superplumes
Masaki Ogawa

5/19, 14:15-14:30, **I212-015**

Probing the thickness of oceanic lithosphere from continental stations using S-receiver functions
Prakash Kumar, Hitoshi Kawakatsu

5/19, 14:30-14:45, **I212-016**

High temperature phase transitions and the origin of the upper mantle low velocity zone
Bruno Reynard

5/19, 14:45-15:00, ***I212-017**

Comparison of Electrical Anisotropy at the Lithosphere- Asthenosphere Boundary under Continents and Ocean
Karsten Bahr

5/19, 15:00-15:15, **I212-018**

Electrical Conductivity of Partially Molten Peridotite Analogue Under Shear
Tomoo Katsura, M. A. Geeth M. Manthilake, Takuya Matsuzaki, other

5/19, 15:30-15:45, **I212-019**

Volatiles in the Earth's deep interior-recycled or primary?
Ichiro Kaneoka

5/19, 15:45-16:00, **I212-020**

The effect of upper mantle oxygen fugacity on magmatic carbon dioxide production
John R. Holloway

5/19, 16:00-16:15, **I212-021**

Phase relations in the eclogite-carbonate-chloride system at 7.0-16.5 GPa: implications to mantle fluids and diamond inclusions
Konstantin Litasov, Eiji Ohtani

5/19, 16:15-16:30, **I212-022**

The H₂O content of magma generated above 410 km seismic discontinuity
Toru Inoue, Ami Okabayashi, Kana Kojima

5/19, 16:30-16:45, **I212-023**

Partial Melting of carbonated peridotite to 20 GPa and Genesis of Carbonatite and Kimberlite melt
Sujoy Ghosh, Eiji Ohtani, Konstantin Litasov

5/19, 16:45-17:00, ***I212-024**

Water in the mantle transition zone

Shun-ichiro Karato

5/20, 9:00-9:15, **I212-025**

A reference 1-D model of electrical conductivity for the upper mantle beneath the Philippine Sea

Kiyoshi Baba, Hisayoshi Shimizu, Hisashi Utada

5/20, 9:15-9:30, **I212-026**

The effect of water on the electrical conductivity of olivine aggregates

Takashi Yoshino, Takuya Matsuzaki, Tomoo Katsura

5/20, 9:30-9:45, **I212-027**

Electrical conductivity of hydrous Al-bearing orthopyroxene in the upper mantle

Baohua Zhang

5/20, 9:45-10:00, **I212-028**

A revised 1-D electrical conductivity reference structure beneath north Pacific obtained by semi-global induction study

Hisayoshi Shimizu, Takao Koyama, Kiyoshi Baba, other

5/20, 10:00-10:15, ***I212-029**

Mantle conductivity model derived from 8 years of CHAMP, ²sted, and SAC-C magnetic data

Alexey Kuvshinov, Nils Olsen

5/20, 10:15-10:30, **I212-030**

Deep dry cold slab beneath southwestern Japan, and more...

Hitoshi Kawakatsu

5/20, 10:45-11:00, **I212-031**

Origin of the depression of the 660 km discontinuity and the motion of the Tonga slab

Satoshi Kaneshima, Tomoaki Kubo, Shoichi Yoshioka

5/20, 11:00-11:15, **I212-032**

Stress relaxation test of olivine under Earth's deep upper mantle conditions

Yu Nishihara, Ken-ichi Funakoshi, Yuji Higo, other

5/20, 11:15-11:30, **I212-033**

Implications of talc and dehydrating serpentinite rheology at HP-HT for subduction zone dynamics

Nadege Hilairiet

5/20, 11:30-11:45, **I212-034**

The Fate of Subducted Continental Crust: an Experimental Perspective

Wu Yao, Yingwei Fei, Jin Zhenmin

5/20, 11:45-12:00, **I212-035**

Phase relations in harzburgite under lower part of the mantle transition zone and the uppermost lower mantle

Norimasa Nishiyama, Takeo Kato, Tetsuo Irifune, other

5/20, 12:00-12:15, **I212-036**

Deep dehydration in transition zone and processes in the stagnant slabs and big mantle wedge

Eiji Ohtani, Dapeng Zhao

**I212: (Dynamics and evolution of the deep Earth)
poster Convention Hall**

[Presentation in English]

5/18, **I212-P001**

Travel time and attenuation measurements for triplicated seismic waveforms by Simulated Annealing

Ryohei Iritani, Nozomu Takeuchi, Hitoshi Kawakatsu

5/18, **I212-P002**

Two anisotropic layers in the central zone of the north China craton inferred from teleseismic shear-wave splitting analysis

Ling Bai, Hitoshi Kawakatsu, Yuichi Morita

5/18, **I212-P003**

3D electrical image of the Pacific Northwest: results from USArray transportable array magnetotelluric data

Prasanta Patro, Gary Egbert

5/18, **I212-P004**

Visualization of seismic tomographic model on Google Earth: development of conversion tool for European standard format to KML

Yasuko Yamagishi, Hiroshi Yanaka, Seiji Tsuboi

5/18, **I212-P005**

How well can mantle plumes be imaged by global tomography?

Yoshihiro Yamamoto, Dapeng Zhao

5/18, **I212-P006**

P-V-T relations of MgSiO₃ perovskite determined by in situ X-ray diffraction using a large-volume high-pressure apparatus

Tomoo Katsura, Sho Yokoshi, kazuyuki Kawabe, other

5/18, **I212-P007**

Resonant Ultrasound Spectroscopy measurements of High Pressure Minerals: Synthesis and measurement of stishovite single crystal

Joseph Titus COORAY, Akira Yoneda

5/18, **I212-P008**

Thermal properties of talc under high pressure

Mitsuhide Yonehara, Masahiro Osako, Eiji Ito, other

5/18, **I212-P009**

Thermal diffusion in the laser heated diamond anvil cell sample

Ryosuke Sinmyo, Kei Hirose

5/18, **I212-P010**

First principles investigation on hydrogen diffusivity in hydrous wadsleyite under high pressure

Jun Tsuchiya, Taku Tsuchiya

5/18, **I212-P011**

Pressure induced structural change of jadeite composition melt and implications for viscosity

Satoru Urakawa, Takumi Kikegawa

5/18, **I212-P012**

Crystal growth of stishovite and its application to Si-self diffusion measurements

Anton Shatskiy

5/18, **I212-P013**

Numerical experiments of mantle flow around slab edges and the possibility of trench-parallel flow in the sub-slab mantle

Satoru Honda

5/18, **I212-P014**

Numerical Simulation from Initiation to Final State of the Plate Tectonics

Hide Sakaguchi, Daisuke Nishiura

5/18, **I212-P015**

Waveform Modeling for Low Velocity Anomaly beneath the Stagnant Slab in the Izu-Bonin Subduction Zone

Tsuyoshi Nakagawa, Shin-ichiro Sato, Fumiko Tajima

5/18, **I212-P016**

The effect of phase transition and viscosity layering on the slab stagnation in spherical shell mantle

Takatoshi Yanagisawa, Yasuko Yamagishi, Yoza Hamano

5/18, **I212-P017**

Numerical modelling of subducting slabs by three-dimensional mantle convection with trench migration

Masanori Kameyama

K132: (Ophiolites and oceanic lithosphere)

oral Function Room B

5/17, 9:00-9:15, **K132-001**

Volcanic stratigraphy and Magmatic process of the oceanic crust in the northern Oman ophiolite

Yuki Kusano, Sumio Miyashita, Susumu Umino

5/17, 9:15-9:30, **K132-002**

The role of melt lens beneath ocean ridges: Preliminary results from upper gabbro unit of the Oman ophiolite

Yutaka Nogawa, Yoshiko Adachi, Sumio Miyashita

5/17, 9:30-9:45, **K132-003**

Geology and petrology of the Lasail 'late intrusive complex', northern Oman ophiolite
Nobutaka Tsuchiya, Shintaro Sato, Hitomi Kawamura, other

5/17, 9:45-10:00, **K132-004**

Petrogenesis of regional variation of the Moho transition zone in the northern Oman ophiolite
Yoshiko Adachi, Teruhisa Hashimoto, Sumio Miyashita

5/17, 10:00-10:15, **K132-005**

Petrological structure of the uppermost mantle from the northern Oman ophiolite: an example from Wadi Fizh
Norikatsu Akizawa, Shoji Arai

5/17, 10:15-10:30, **K132-006**

Spatial distributions of chemical compositions and microstructure in the Fizh block of the Oman Ophiolite
Ryutaro Murakami, **Eiichi Takazawa**

5/17, 10:45-11:00, **K132-007**

Theoretical constraints on the origin of chloritite at the uppermost gabbro unit in the Oman ophiolite
Kentaro Nakamura, Sumio Miyashita, Yoshiko Adachi, other

5/17, 11:00-11:15, **K132-008**

Oxygen and hydrogen isotope compositions of the oceanic crust in the Oman ophiolite
Kyoko Yamaoka, Osamu Matsubaya, Daizo Ishiyama, other

5/17, 11:15-11:30, **K132-009**

Boron and chlorine contents of upper oceanic crust
Takashi Sano, Masaya Miyoshi

5/17, 11:30-11:45, **K132-010**

Origin of chromian spinel-hosted polymineralic inclusion from oceanic lower crustal gabbros, IODP Site U1309, Mid-Atlantic Ridge
Fumiaki Takeda, **Jinichiro Maeda**, Toru Yamasaki, other

5/17, 11:45-12:00, **K132-011**

Origin of fertile lherzolitic peridotites from the basement lithosphere of Izu-Ogasawara-Mariana arc and the backarc basin areas.
Kiyoaki Niida, Megumi Chiba, Toyoto Azuma, other

5/17, 12:00-12:15, **K132-012**

The initial stage traces of melt extraction and stagnation observed in the Mariana Trough peridotites
Megumi Chiba, Kiyoaki Niida

K132: (Ophiolites and oceanic lithosphere) poster Convention Hall

5/17, **K132-P001**

Petrology of plagiogranite and gabbro-norite in the northern Oman ophiolite
Shusaku Yamazaki, Sumio Miyashita

5/17, **K132-P002**

Factors governing the upper crustal structures of fast-spreading mid-ocean ridges; insights from ODP Hole 1256D
Susumu Umino

5/17, **K132-P003**

Measurement of elastic wave velocities for oceanic crust-mantle rocks with a piston-cylinder type high-pressure apparatus
Satoshi SAITO, Masahiro Ishikawa, Makoto Arima, other

5/17, **K132-P004**

Raman spectroscopic study on CO₂ inclusions in pyroxenite xenoliths from northwest Kyushu, SW Japan
Hidemi Ishibashi, Junji Yamamoto, Yong Lai, other

5/17, **K132-P005**

Diversity of xenocrysts in alkali basalts from Tsushima basin, the Sea of Japan
Rie Nauchi, Tomoaki Morishita, Chima Ninomiya, other

**K133: (Petrology, Mineralogy, Resource Geology)
oral 301B**

5/17, 9:00-9:15, **K133-001**

SPECIATION OF LEAD ADSORBENTS IN WEATHERED GRANITE USING FIB-TEM TECHNIQUE

Toshihiro Kogure, Toshiyuki Nabeta

5/17, 9:15-9:30, **K133-002**

The Relationship between the Absolute Ages and the Compression Strength in the Miyazaki Group

Shigetoshi Goto, Keizou Suzuki

5/17, 9:30-9:45, **K133-003**

Kushiroite, $\text{CaAl}_2\text{SiO}_6$, a new pyroxene member in the ALH85085 CH chondrite

Makoto Kimura, Ahmed El Goresy, Takashi Mikouchi, other

5/17, 9:45-10:00, **K133-004**

Sulfide minerals in ultramafic xenoliths from Takashima, Saga prefecture, Japan

Kazuyasu Shindo, Ken-ichiro Hayashi

5/17, 10:00-10:15, **K133-005**

Study of microstructure of kelyphite after garnet by means of EBSD- part 2

Masaaki Obata, Kazuhito Ozawa

5/17, 10:15-10:30, **K133-006**

Evolution of the metasomatic zoning: temporal change in the growth mode in the system dolomite - quartz - H_2O

Takanori Tanoue, **Tadao Nishiyama**, Hiroshi Isobe

5/17, 10:45-11:00, **K133-007**

Crystal habit change, observed in pyralspite garnets from Bohemian HT metapelite and its significance.

Tomoyuki Kobayashi, Shugo Ohi, Masao Kitamura, other

5/17, 11:00-11:15, **K133-008**

Characteristics of a microdiamond discovered from the orogenic garnet-peridotite in the Bohemian Massif

Kosuke Naemura, Hiroyuki Kagi, Shoko Odake, other

5/17, 11:15-11:30, **K133-009**

Fluid inclusions and P-T path of Hida metamorphic rocks from Odori-gawa area, Central Japan

Yuki Nishimiya, Toshiaki Tsunogae

5/17, 11:30-11:45, **K133-010**

Zircon age dating for the timing of ultrahigh-temperature metamorphism in the Limpopo Belt, southern Africa

Kei Sato, Toshiaki Tsunogae, Yoshiaki Kon, other

5/17, 11:45-12:00, **K133-011**

Ultrahigh-temperature metamorphism of Mg-Al rocks from Vellapatti in the northern Madurai Block, southern India

Hisako Shimizu, Toshiaki Tsunogae, M SANTOSH

5/17, 12:00-12:15, **K133-012**

Solubility of ferric iron in sillimanite to calibrate P-T- $f\text{O}_2$ of ultrahigh-temperature granulites

Toshisuke Kawasaki

5/17, 13:45-14:00, **K133-013**

The occurrence and significance of amphibole-bearing multiphase solid inclusions in olivine crystals, the Murotomisaki Gabbro

Takashi Hoshide, Masaaki Obata

5/17, 14:00-14:15, **K133-014**

Genesis of Volatile-rich High-Mg Olivine Cumulates with Low Ni and Cr in Achankovil Shear Zone, South India

Rajesh Viswanathan Jagadambal, Shoji Arai

5/17, 14:15-14:30, **K133-015**

Petrographic contrast between ilmenite- and magnetite-series gabbroic rocks in the Ryoke and San-in belts, southwestern Japan

Tetsuichi Takagi

5/17, 14:30-14:45, **K133-016**

Mount Claudionis plutonic complex, Egypt: Geochemistry and implications for a transitional oceanic- to a mature continental arc

Abdel-Rahman Abdel-Fattah

5/17, 14:45-15:00, **K133-017**

Post-Neogene uplift and hydrothermal activities of Kii Peninsula, southwest Japan by using FT dating data
Takahiro Hanamuro, Koji Umeda, Katsuhiko Maeda

5/17, 15:00-15:15, **K133-018**

Carbon-bearing materials found in volcanic basalt on surface at Shimonoseki, Japan
Yasunori Miura

**K133: (Petrology, Mineralogy, Resource Geology)
poster Convention Hall**

5/17, **K133-P001**

K-feldspar and plagioclase of the Kashio mylonites in the Hase-Ichinose area of the Ina city, central Japan
Akira Ono

5/17, **K133-P002**

Methane-, ethane- and hydrogen-bearing carbonic fluid inclusions in ultrahigh-temperature metamorphic rocks
Toshiaki Tsunogae

5/17, **K133-P003**

Strontium and neodymium isotopic compositional characters of amphibolite from Song Ma suture zone in Northern Vietnam

Tomoharu Miyamoto, Yasuhito Osanai, Nobuhiko Nakano, other

5/17, **K133-P004**

Metamorphic zonation of the Ryoke metamorphic belt in the Kudamatsu-Ynai area, southwest Japan
Yu Sugawara, Takeshi Ikeda

5/17, **K133-P005**

Petrogenesis of hoegbomite-bearing spinel-corundum rocks from the Palghat-Cauvery Shear Zone system, southern India

Yuki Nishimiya, Toshiaki Tsunogae

5/17, **K133-P006**

Quantitative PIXE analysis of trace elements in fluid inclusions from the Tsushima granite pluton, Japan
Masanori Kurosawa, Ki-Cheol Shin, Satoshi Ishii, other

5/17, **K133-P007**

Petrographical characteristics of mantle xenoliths from Loggang area, northeast China
Fumihiko Mizobuchi, Takeshi Kuritani, Takeyoshi Yoshida, other

5/17, **K133-P008**

Petrology and Geochemistry of Aketakyi Ultramafic Complex from the Paleoproterozoic Southern Ashanti Greenstone Belt of Ghana

Samuel B. Dampare, Tsugio Shibata

5/17, **K133-P009**

Silica metasomatism in mantle peridotites: a case study of the Finero phlogopite-peridotite massif
takahito suzuki, Tomoaki Morishita

5/17, **K133-P010**

Asbestos crystallization in serpentinite subjected to contact metamorphism
Kinya Kato, Takayuki Katoh, Satoshi Okamura

5/17, **K133-P011**

Compressional behavior of the O-H bond in chrysotile: A Raman high-pressure study
Tomoyuki Mizukami, Hiroyuki Kagi, Simon Wallis, other

5/17, **K133-P012**

The temporal variations of geochemistry of magmas from north of Kofu Basin, central Japan
Tomoyuki Shibata, Masako Yoshikawa, Satoshi Koshimizu

5/17, **K133-P013**

Interaction between andesite and liquid water: temporal variation of rock surficial texture and chemical composition of water

Takahiro Miwa, Tomoharu Miyamoto, Atsushi Toramaru

5/17, **K133-P014**

Crystallization experiments in the system Ab-Qtz-H₂O: Role of supercritical fluid and flux elements

Haruka Okumura, Michihiko Nakamura

5/17, **K133-P015**

Feldspars in plutonic suites from northeastern Egypt and implications for orogenic and anorogenic magma evolution

Abdel-Rahman Abdel-Fattah

5/17, **K133-P016**

Glomeroporphyritic plagioclase in lava flows of early stage Younger Fuji volcano

Yusuke Tokunaga, Hiroaki Sato

5/17, **K133-P017**

Physicochemical Condition Controlling Mineralization and Alteration at the Miduk porphyry copper deposit, southern Iran

Mohammad Boomeri, Kazuo Nakashima

5/17, **K133-P018**

Sulfide mineral paragenesis of the Hugo Dummett porphyry Cu-Au deposit, Oyu Tolgoi, South Mongolia

Myagmarsuren Sanjaa, Hirokazu Fujimaki

K134: (Physics and chemistry of minerals) oral 101

5/16, 9:00-9:15, **K134-001**

Mineralogical characterization of calcite in the prismatic layer of pearl oyster

Taiga Okumura, Michio Suzuki, Hiromichi Nagasawa, other

5/16, 9:15-9:30, **K134-002**

Blue cathodoluminescence of alkali feldspar activated by Ti⁴⁺ impurity center and Al-O--Al defect center

Masahiro Kayama, Satoshi Nakano, Hirotsugu Nishido

5/16, 9:30-9:45, **K134-003**

Polarized infrared spectrum of cordierite: orientations of water molecules and their vibrational behavior

Junichi Fukuda, Keiji Shinoda

5/16, 9:45-10:00, **K134-004**

Pressure dependence of partition coefficient between olivine and peridotite melt

Takamasa Imai, Eiichi Takahashi, Toshihiro Suzuki, other

5/16, 10:00-10:15, **K134-005**

Viscosity minimum of lunar high-Ti magma at high pressures and high temperatures

Akio Suzuki, Eiji Ohtani, Keisuke Nishida, other

5/16, 10:15-10:30, **K134-006**

Structural relaxation of high pressure Ca aluminosilicate melts during quenching and decompression

Yosuke Nakano, **Satoru Urakawa**, Takumi Kikegawa

5/16, 10:45-11:00, **K134-007**

Activation of positive holes induced by deformation of peroxy links in igneous rocks

Akihiro Takeuchi, Ömer aydan, Keizo Sayanagi, other

5/16, 11:00-11:15, **K134-008**

A preliminary result of electrical conductivity network model within the rock

Kiyoshi Fuji-ta, Masayuki Seki, Tomoo Katsura, other

5/16, 11:15-11:30, **K134-009**

Comparison of reliability between first principle simulations and high-pressure experiments

Shigeaki Ono

5/16, 11:30-11:45, **K134-010**

First-principles Study on Crystal Structures of Calcium and Iron under High Pressure

Takahiro Ishikawa, Jun Tsuchiya, Taku Tsuchiya

5/16, 11:45-12:00, **K134-011**

Systematic study on new dense structures in A₂O₃ compounds

Hitoshi Yusa, Taku Tsuchiya, Nagayoshi SATA, other

5/16, 12:00-12:15, **K134-012**

Post-perovskite phase transitions in CaB₄+O₃

Yuichi Shirako, **Masaki Akaogi**, Hiroshi Kojitani, other

**K134: (Physics and chemistry of minerals)
poster Convention Hall**

5/16, **K134-P001**

Cathodoluminescence of cristobalite in andesite and obsidian and its application to geosciences
Masahiro Kayama, Hirotsugu Nishido, Kiyotaka Ninagawa

5/16, **K134-P002**

In-situ observation and Raman spectroscopy of ice 4 under high pressure conditions
Yugo Tsuruhara, Kohei Okina, Yumiko Sakai, other

5/16, **K134-P003**

Simultaneous determination of Mg# and residual pressure in olivine using micro-Raman spectroscopy
Takaharu Yasuzuka, Hidemi Ishibashi, Masashi Arakawa, other

5/16, **K134-P004**

Relationship between polarized Raman spectra and crystallographic orientations of olivine
Hidemi Ishibashi, Masashi Arakawa, Hiroyuki Kagi

5/16, **K134-P005**

Quantitative analysis of binary mineral mixtures using micro-Raman spectroscopy: An opaline silica nodule of volcanic origin
Naoki Noguchi, Keiji Shinoda

5/16, **K134-P006**

Heat capacity measurement, and Raman and infrared spectroscopy of calcium ferrite-type NaAlSiO₄
Hiroshi Kojitani, Mariko Kanbara, Hiroyuki Kagi, other

5/16, **K134-P007**

ESR spectral changes in crystallization of forsterite-composition amorphous materials
Koki Tonochi, Atsushi Tani, Yuta Imai, other

5/16, **K134-P008**

Formation process of the mixture of an amorphous-material and a low-crystalline-clay (HAS-Clay)
Masaya Suzuki, Katsuhiko Tsukimura

5/16, **K134-P009**

Molecular dynamics simulation of orthoenstatite under high temperature and pressure
Masatoshi Nonogaki, Akira Miyake

5/16, **K134-P010**

Orthopyroxene and protopyroxene in H3 and L3 chondrite
Hiromi Ito, Shugo Ohi, Akira Miyake, other

5/16, **K134-P011**

Experimental study on the graphite-diamond phase transition -Influence of local stress state and crystallinity of graphite
Hiroaki Ohfuji

5/16, **K134-P012**

Phase transition in TiO₂ at high pressure and the bulk modulus of TiO₂ polymorphs
Daisuke Hamane, Taku Okada, Takehiko Yagi

5/16, **K134-P013**

In situ observation of the pressure-induced phase transition in calcium hydroxide, portlandite
Riko Iizuka, Hiroyuki Kagi, Kazuki Komatsu, other

5/16, **K134-P014**

Estimation for hydrogen positions in hydrous minerals under high-pressure using MEM analysis with single crystal diffraction data
Takahiro Kuribayashi, Yasuhiro Kudoh

5/16, **K134-P015**

Chemical differentiation in Fe-bearing minerals in pressure-temperature-gradient.
Akihito Tachiyama, Tadashi Kondo, Tatsuhiro Sakaiya

5/16, **K134-P016**

Determination of elastic constants for ferropericase under pressure by means of inelastic X-ray scattering

Hiroshi Fukui, Takuya Matsuzaki, Tomoo Katsura, other

5/16, **K134-P017**

High pressure generation and EoS of feropericlae ($\text{Mg}_{1-x}\text{Fex}$)O using the Kawai-cell equipped with sintered diamond cubes

Eiji Ito

5/16, **K134-P018**

Calorimetry and stability field of $\text{Mg}_{14}\text{Si}_5\text{O}_{24}$ anhydrous phase B

Saki Terata, Hiroshi Kojitani, Masaki Akaogi

5/16, **K134-P019**

Partitioning of trace elements between garnet and silicate melt under high pressure

Toshihiro Suzuki, Takafumi Hirata, Eiichi Takahashi

5/16, **K134-P020**

Variation of the unit cell dimensions in relation to the sizes of coordination polyhedra in olivine structure

Yasuhiro Kudoh

K213: (Neutron geosciences)

oral 301A

5/16, 13:45-13:57, **K213-001**

Earth science based on high-pressure and high-temperature neutron experiments at J-PARC

Takehiko Yagi, Takaya Nagai, Toru Inoue, other

5/16, 13:57-14:08, **K213-002**

Introduction to a newly funded research project on hydrous minerals by neutron diffraction measurements at high T-P conditions

Takaya Nagai

5/16, 14:08-14:19, **K213-003**

Outline of magma group in Grant-in-Aid for Scientific Research on Innovative Areas

Toru Inoue, Satoru Urakawa, Osamu Ohtaka, other

5/16, 14:19-14:30, **K213-004**

Structural studies on liquids under high pressure and temperature at J-PARC

yoshinori katayama

5/16, 14:30-14:41, **K213-005**

Quantum simulation of materials related to neutron experiments and Earth and planetary sciences.

Toshiaki Iitaka

5/16, 14:41-14:53, **K213-006**

Construction of high pressure dedicated beamline at J-PARC

Wataru Utsumi, Takanori Hattori, Hiroshi Arima, other

5/16, 14:53-15:04, **K213-007**

Developing high-pressure neutron diffraction techniques for a pulsed neutron facility

Hiroyuki Kagi, Takuo Okuchi, Yoshiya Uwatoko, other

5/16, 15:04-15:15, **K213-008**

Development of NPD anvil cell for neutron scattering experiments

Takuo Okuchi, Shigeo Sasaki, Hiroyuki Kagi, other

5/16, 15:30-15:45, ***K213-009**

Laser-Shock Compression and Hugoniot Measurements of Liquid Hydrogen

Takayoshi Sano, Masahiro Ikoma, Keisuke Shigemori, other

5/16, 15:45-15:57, **K213-010**

Isotopic effects and intramolecular interactions in hydrogen hydrate under high pressure

Shin-ichi Machida, Hisako Hirai, Taro Kawamura, other

5/16, 15:57-16:09, **K213-011**

Neutron powder diffraction experiments under high pressure and low temperature

Hiroshi Fukazawa

5/16, 16:09-16:21, **K213-012**

Structure analysis of hydrogen-ordered ice in the Universe using infrared spectroscopy and neutron diffraction

measurements

Masashi Arakawa, Hiroyuki Kagi, Hiroshi Fukazawa

5/16, 16:21-16:33, **K213-013**

High Pressure Neutron diffraction experiments - Experiences in ISIS and ILL

Kazuki Komatsu

5/16, 16:33-16:45, **K213-014**

Neutron diffraction experiment of hydrous wadsleyite

Asami Sano, Takehiko Yagi, Kazuki Komatsu, other

5/16, 16:45-16:57, **K213-015**

First results of high-pressure neutron experiments at TAKUMI in J-PARC

Takanori Hattori, Jun Abe, Masashi Arakawa, other

5/16, 16:57-17:00

Discussion

K213: (Neutron geosciences)
no poster

K214: (Arc Evolution)
oral

[Presentation in English]

5/18, 9:00-9:15, **K214-001**

Distribution of hydrous minerals in the Pacific slab inferred from travel-time tomography

Junichi Nakajima, Akira Hasegawa

5/18, 9:15-9:30, **K214-002**

Water in the NE Japan fore-arc mantle: An estimate based on Vs-T-Rock structure with Perple_X thermodynamic model

Jun-Ichi Kimura, Junichi Nakajima, Peter van Keken, other

5/18, 9:30-9:45, **K214-003**

Seismological evidence of in-situ supra-subduction zone ophiolite observed along the fore-arc in the Izu-Bonin arc

Shuichi Kodaira, Narumi Takahashi, Naoto Noguchi, other

5/18, 9:45-10:00, **K214-004**

Features of seismic wave velocity structure and seismicity in the Izu Collision zone

Ryuta Arai, Takaya Iwasaki, Hiroshi Sato, other

5/18, 10:00-10:15, **K214-005**

Oligocene IBM

Yoshihiko Tamura, Osamu Ishizuka, Hiroshi Kawabata, other

5/18, 10:15-10:30, **K214-006**

Spatial and temporal variability of magmatism at the northern end of the Mariana Trough back-arc basin

Osamu Ishizuka, Makoto Yuasa, Yoshihiko Tamura, other

5/18, 10:45-11:00, **K214-007**

Physical properties of subducted slab and surrounding mantle in the Izu-Bonin subduction zone inferred from BBOBS data

Azusa Shito, Hajime Shiobara, Hiroko Sugioka, other

5/18, 11:00-11:15, **K214-008**

Tholeiitic vs. Calc-alkalic Differentiation and Arc Crust Evolution

Yoshiyuki Tatsumi, Toshihiro Suzuki

5/18, 11:15-11:30, **K214-009**

Evidence from melt inclusions for small-scale heterogeneities in the sources of monogenetic volcanoes on the Izu Peninsula, Japan

Alex Nichols, Richard Wysoczanski, Kenichiro Tani, other

5/18, 11:30-11:45, **K214-010**

Petrogenesis of adakitic rocks at arcs: insights from variations of eruptive style with convergence rates and surface heat flux

Georg Florian Zellmer

5/18, 11:45-12:00, **K214-011**

Geochemistry of hydrous peridotites above subducting slab a case study of Ti rich Cr spinel bearing peridotites from Happo Japan

Mohamed Zaki Khedr, Shoji Arai

5/18, 12:00-12:15, **K214-012**

plagioclase-bearing peridotites from Nain ophiolite (Isfahan province), Iran

Tahmineh Pirnia Naeini, Shoji Arai

**K214: (Arc Evolution)
poster Convention Hall**

[Presentation in English]

5/17, **K214-P001**

Roles of slab-derived melts on the genesis of Eocene-Oligocene andesitic magmas in Izu-Bonin-Mariana arc

Hiroshi Kawabata, Jun-Ichi Kimura, Qing Chang, other

5/17, **K214-P002**

Petrology and geochemistry of Natanz plutonic rocks, central Iran

Honarmand Maryam

5/17, **K214-P003**

The Sibuyan Ultramafic Complex, Romblon (Central Philippines): A fresh perspective on abyssal peridotites

Betchaida Payot, Shoji Arai, Akihiro Tamura, other

5/17, **K214-P004**

Arc magmatism at the incipient stage of formation of subduction zone: geochemistry of the Bonin Islands

Kyoko Kanayama, Susumu Umino, Osamu Ishizuka

5/17, **K214-P005**

Spatial and Temporal distribution of volcanism in the late Cenozoic NE Honshu arc, Japan

Takeyoshi Yoshida

5/17, **K214-P006**

Elastic wave velocity measurements of Tanzawa hornblende gabbro up to 800 degrees C and 1.0GPa

go katsune, Masahiro Ishikawa, Makoto Arima

5/17, **K214-P007**

Elastic wave velocity measurement under high pressure and temperature conditions for lower crust rocks in the Kohistan arc

Daisuke Tsutsumi, Masahiro Ishikawa, Makoto Arima

5/17, **K214-P008**

Seismic velocity variation along northern Izu-Bonin arc

Koichiro Obana, Shin'ichiro Kamiya, Shuichi Kodaira, other

5/17, **K214-P009**

S-wave structure of the northern Izu-Ogasawara arc

Narumi Takahashi, Shuichi Kodaira, Seiichi Miura, other

5/17, **K214-P010**

Melt and olivine compositions for picritic dolerite from the Ogi Peninsula, Sado Island, Japan.

Keiichi Mori, Norie Fujibayashi

5/17, **K214-P011**

U-Pb zircon ages of the Ashizurimisaki igneous complex in SW Shikoku

Hironao Shinjoe, Yuji Orihashi, Tomoaki Sumii

5/17, **K214-P012**

Spatial crustal structure and its interpretation around the IODP proposed site in the Izu-Bonin Mariana arc

Mikiya Yamashita, Shuichi Kodaira, Narumi Takahashi, other

5/17, **K214-P013**

Nature of the crust-mantle transition layer along the Izu-Bonin island arc deduced from seismic amplitude modeling

Takeshi Sato, Shuichi Kodaira, Narumi Takahashi, other

5/17, **K214-P014**

Crustal evolution of the Precambrian Arabian Shield

Saad Mogren

**L135: (Paleoclimate and paleoceanography)
oral Function Room A**

5/20, 9:00-9:15, **L135-001**

Late Pliocene paleoenvironmental changes from the Ananai Formation drilled core: evidence for stable isotope ratio
Shigetaka Kita, Minoru Ikehara, Yasuo Kondo, other

5/20, 9:15-9:30, **L135-002**

A cooling event during the Matuyama-Brunhes magnetic polarity transition
Ikuko Kitaba, Masayuki Hyodo, Shigehiro Katoh, other

5/20, 9:30-9:45, **L135-003**

Temporal variations of the TOC content during the last 572 ka in the sediment cores off the Shimokita Peninsula, northwest Pacific
Fujio Kumon, Hiroshi Ichikawa, Akihito Uebayashi, other

5/20, 9:45-10:00, **L135-004**

Environmental changes within submarine cave during the past 7,000 years, based on stratigraphic distribution of lateritized grains
Akihisa Kitamura, Nagisa Yamamoto, Takashi Toyofuku

5/20, 10:00-10:15, **L135-005**

Changes in marine environment around the Okinawa Islands during the Bond Cycle 4
Nagisa Yamamoto, Akihisa Kitamura, Tomohisa Irino

5/20, 10:15-10:30, **L135-006**

Intra-annual to annual time resolution record during 600-1700B.P. from a stalagmite in southwestern Philippines.
Masako Hori, Chuan-Chou SHEN

5/20, 10:45-11:00, **L135-007**

Paleoceanographic reconstruction of the Japan Sea over the last 190 ka
Koji Minoura

5/20, 11:00-11:15, **L135-008**

Paleoenvironment based on foraminiferal, pollen and diatom analyses mainly for the Tokyo Formation in Haneda airport D runway
Eiko Akiyama, Takatoshi Noguchi, Takashi Chiba, other

5/20, 11:15-11:30, **L135-009**

Relationship between the carbon isotope ratios of Sphagnum from bog cores and the past atmospheric CO₂ concentration
Seigo Oki, Fumio Kitajima, Hiroshi Naraoka, other

5/20, 11:30-11:45, **L135-010**

Subsurface sedimentary structure of Lake Biwa revealed by seismic sub-bottom profiling
Tsuyoshi Haraguchi, Kaori Okumoto, Shinji Masumoto, other

5/20, 11:45-12:00, **L135-011**

Mud deposition due to Typhoon Durian on 4-5th December 2006 in BaDong beach, Vietnam
Futoshi Nanayama

5/20, 12:00-12:15, **L135-012**

Chronology and sedimentation of hyper salinity lake (Meedee lake) in the eastern Mediterranean
Naoki Izumitani, Takuya Sagawa, Masafumi MURAYAMA, other

**L135: (Paleoclimate and paleoceanography)
poster Convention Hall**

5/19, **L135-P001**

Climate changes in Lake Biwa based on concentration of biogenic silica in surface sediments
Toshiki Nakanishi, Yoshio Inouchi, Naoya Iwamoto, other

5/19, **L135-P002**

Lake-level changes in Lake Nojiri, shown in grain size composition of cored sediments
Yuki Nakamura, Yoshio Inouchi, Yusaku Aoki, other

5/19, **L135-P003**

Grain size composition and distribution of bottom surface sediments in Lake Nojiri, central Japan

Kazuma Sugai, Takeshi Takiguchi, Yusaku Aoki, other

5/19, **L135-P004**

The estimation of sediment amount of Lake Suwa using our original handy bottom corer.

Hideki Yoshikawa, Fujio Kumon, Yoshio Inouchi, other

5/19, **L135-P005**

Paleoenvironmental changes for the last 27 kyr in central Asia inferred from geochemical records of Lake Hovsgol sediment.

Takuma Murakami, Nagayoshi Katsuta, Koshi Yamamoto, other

5/19, **L135-P006**

Characterization of the eolian dust sources by ESR of impurity centers in quartz

Yuua Yamamoto, Shin Toyoda, Yuko Isozaki, other

5/19, **L135-P007**

Paleoclimate since 100 ka recorded in a stalagmite collected from eastern Shiga Prefecture, Japan

Akihiro Kano, Sho Takeuchi, Masako Hori, other

5/19, **L135-P008**

Variations of East Asian Summer Monsoon Since the Last Deglaciation in the northern East China Sea

Yoshimi Kubota, Katsunori Kimoto, Ryuji Tada, other

5/19, **L135-P009**

Reconstruction of last glacial maximum-last deglaciation local marine reservoir values around the Japanese islands

Ken Ikehara

L136: (Climate changes: past, present and model) oral Function Room A

5/19, 9:00-9:06

Introductory talk

5/19, 9:06-9:33, ***L136-001**

Thermohaline circulation in the Sea of Okhotsk

Humio Mitsudera, Keisuke Uchimoto

5/19, 9:33-9:48, **L136-002**

Long-term variation of sea-ice and sea surface environment in the Okhotsk Sea obtained by marine sediment core

Tatsuhiko Sakamoto, Saburo Sakai, Koichi Iijima, other

5/19, 9:48-10:15, ***L136-003**

Biogeochemical changes in the North Pacific in response to a shut down of the Atlantic Meridional Overturning Circulation

Laurie Menviel

5/19, 10:15-10:30, **L136-004**

Millennial scale changes in intermediate depth circulation recorded in the sediment cores from the northwestern North Pacific

Naomi Harada, Katsunori Kimoto, Yusuke Okazaki, other

5/19, 10:45-11:00, **L136-005**

Changes in water mass structures in the Bering Sea: Evidence from neodymium isotopes of Fe-Mn oxyhydroxides

Keiji Horikawa, Yoshihiro Asahara, Koshi Yamamoto, other

5/19, 11:00-11:15, **L136-006**

Exposure age of the east of the Atacama Desert in northern Chile by cosmogenic Be-10 and Al-26

Kazuho Shiroya, Yusuke Yokoyama, Hiroyuki Matsuzaki

5/19, 11:15-11:30, **L136-007**

East Antarctic Ice Sheet fluctuations and global climate changes since the late Tertiary

Masako Yamane, Yusuke Yokoyama

5/19, 11:30-11:45, **L136-008**

Simulations of ocean carbon cycle based on the glacial climate fields of a full coupled atmosphere-ocean GCM

Megumi O. Chikamoto, Ayako Abe-Ouchi, Akira Oka, other

5/19, 11:45-12:00, **L136-009**

Conditions for Global Oceanic Anoxia/Euxinia Obtained from a one-dimensional Marine Biogeochemical Cycle Model

Kazumi Ozaki, Eiichi Tajika

5/19, 12:00-12:15, **L136-010**

Modeling of methane bubbles released from seafloor gas hydrate

Akitomo Yamamoto, Yasuhiro Yamanaka, Eiichi Tajika

5/19, 13:45-14:00, **L136-011**

The timing of orbital-scale changes in the East Asian summer monsoon, westerly jet, and northwestern Pacific surface temperature

Kana Nagashima, Ryuji Tada, Yuko Isozaki, other

5/19, 14:00-14:15, **L136-012**

Hydrogen isotopic compositions of n-alkanes in Hongyuan peat core over the last 13 kyr

Osamu Seki, Philip Meyers, Kimitaka Kawamura, other

5/19, 14:15-14:30, **L136-013**

Anomalous decadal variability in O and C isotopic ratios of tree-ring cellulose in southwestern Japan during the little ice age

Takeshi Nakatsuka, Keiko Ohnishi, Hiroyuki Tsuji, other

5/19, 14:30-14:45, **L136-014**

Revisit to stable carbon isotope records in coral annual bands

Osamu Abe

5/19, 14:45-15:00, **L136-015**

The ENSO-East Asian monsoon teleconnection recorded in the Sr/Ca ratio of coral skeletons from the southern South China Sea

Takehiro Mitsuguchi, Phong X. Dang, Hiroyuki Kitagawa, other

5/19, 15:00-15:15, **L136-016**

Surface water freshening at the western Pacific warm pool during the LGM

Takuya Sagawa, Yusuke Yokoyama, Minoru Ikehara, other

L136: (Climate changes: past, present and model) poster Convention Hall

5/19, **L136-P001**

Retreat of the West Antarctic Ice Sheet in the Ross Sea After Last Glacial Maximum

Takahiro Yamazaki, Yusuke Yokoyama, Mamito Koizumi, other

5/19, **L136-P002**

Six year-long time-series carbon and oxygen isotope records in the Bering Sea and the central subarctic Pacific during 1993-1999

Hirofumi Asahi, Yusuke Okazaki, Minoru Ikehara, other

5/19, **L136-P003**

Reconstruction of Japan paleoclimate during the past 45 ka by measuring Be-10 and major elements in the sediment of Lake Biwa

Satomi Takahashi

L137: (Arctic Region) oral 201A

5/19, 13:45-14:00, **L137-001**

International System on Arctic Science and Japanese activities

Hiroshi Kanda

5/19, 14:00-14:15, **L137-002**

Contribution of biological soil crusts to the terrestrial carbon cycle in a High Arctic glacier foreland in Ny-Alesund, Svalbard

Shinpei Yoshitake, Masaki Uchida, Hiroshi Koizumi, other

5/19, 14:15-14:30, **L137-003**

Evidence of Heterotrophic Microbial Decomposition of Soil Ancient Carbon in the Glacier Retreat, Svalvard, Norway Arctic

Masao Uchida, Masaki Uchida, Miyuki Kondo, other

5/19, 14:30-14:45, **L137-004**

Climatic change and plant growth as factors affecting population growth rate of Japanese rock ptarmigan in Tateyama Mts.

Naoya Wada

5/19, 14:45-15:00, **L137-005**

Biomass estimation by ALOS/PALSAR over boreal forest in Alaska

Rikie Suzuki, Yongwon Kim, Reiichiro ISHII

5/19, 15:00-15:15, **L137-006**

Effects of geology on differentiation of phytogeocoenoses in the Subarctic environment of Yukon Territory, Canada

Satoru Kojima

5/19, 15:30-15:45, **L137-007**

Seasonal change of sediment trap-collected pteropod *Limacina helicina* in Amundsen Gulf, Canadian Arctic, 2004-2006

Fumihiko Akiha

5/19, 15:45-16:00, **L137-008**

Changes in C37 alkenones recorded in sediment on the continental shelf of the Bering Sea: record of *Emiliania huxleyi* bloom

Naomi Harada, Kazumasa Oguri, Osamu Tadai, other

5/19, 16:00-16:15, **L137-009**

The spatiotemporal chlorophyll-a distribution under the influence of the changing Arctic ice-ocean circulation

Kohei Mizobata

5/19, 16:15-16:30, **L137-010**

Snow data assimilation in the Lena River basin

Kazuyoshi Suzuki, Yoshiyuki Fujii

5/19, 16:30-16:45, **L137-011**

Evaluation of long-term water, energy, and CO₂ budget at two Arctic sites with a coupled hydrological and biogeochemical model

Hotaek Park, Yoshihiro Iijima, Hironori Yabuki, other

5/19, 16:45-17:00, **L137-012**

Inter-annual variations of the snow-melt area and snow surface albedo in the Greenland ice sheet

Kunio Rikiishi

5/20, 9:00-9:15, **L137-013**

Climatic and environmental changes during the past 200 years viewed from Arctic ice cores

Kumiko Goto-Azuma

5/20, 9:15-9:30, **L137-014**

Early 20th century warming in the Arctic - recent findings and future subjects

Takashi Yamanouchi

5/20, 9:30-9:45, **L137-015**

Prediction Experiments of the Arctic Oscillation Index using a Barotropic General Circulation Model

Hiroshi Tanaka

5/20, 9:45-10:00, **L137-016**

Numerical Simulation of Arctic Cyclones using NICAM Installed at CCS, University of Tsukuba, Japan

Hiroshi Tanaka

5/20, 10:00-10:15, **L137-017**

Influence of summertime Arctic sea-ice reduction on wintertime Eurasian coldness

Meiji Honda, Jun Inoue, Shozo Yamane

5/20, 10:15-10:30, **L137-018**

Further catastrophic reduction of sea ice caused by activations of sea ice motion and upper ocean circulation in the Arctic Ocean

Koji Shimada, Kohei Mizobata, Motoyo Itoh, other

**L137: (Arctic Region)
poster Convention Hall**

5/19, **L137-P001**

Winter CO₂ efflux from snow surface on the high Arctic glacier foreland

Naoko Kan, Masaki Uchida, Hiroshi Koizumi, other

5/19, **L137-P002**

The impact of climatic warming on the ecosystem carbon cycle of a high Arctic glacier foreland II: long-term simulation

Masaki Uchida, Hiroyuki Muraoka, Hiroshi Kanda, other

5/19, **L137-P003**

Photosynthetic characteristics of lichens growing in a high arctic glacier foreland

Takeshi Inoue, Sakae Kudoh, Masaki Uchida, other

5/19, **L137-P004**

Isotopic Signatures of Soil Organic Carbon in a Successional Glacier Foreland in Ny-Alesund, Svalbard

Miyuki Kondo, Masao Uchida, Masaki Uchida, other

5/19, **L137-P005**

Novel radiocarbon chronology tool using archaeal tetraether lipids in the western Arctic Ocean sediments

Masao Uchida, Motoo Utsumi, Kazuhiro Kato, other

5/19, **L137-P006**

Pilot study on carbon cycle of Marine Crenarchaeota in the Arctic Ocean using molecular biological approaches

Chie Sato, Motoo Utsumi, Yukiko Kuroki, other

5/19, **L137-P007**

Spatial-temporal structures of intraseasonal precipitation oscillations over northern Eurasia during summer

Yoshiki Fukutomi, Tetsuzo Yasunari

5/19, **L137-P008**

Distribution of cell membrane lipids of Crenarchaeota in the Arctic Ocean

Yukiko Kuroki, Masao Uchida, Chie Sato, other

5/19, **L137-P009**

Dynamics and Statistics of Arctic Cyclones Compared with Tropical and Extra-tropical Cyclones

Shinji Takahashi, Hiroshi Tanaka

L215: (CCS)

oral 303

5/21, 10:45-11:00, **L215-001**

The Experimental Research for CO₂ Storage in Basaltic-Rock Aquifer.

Yutaro Takaya, Kentaro Nakamura, Shunsaku Awaji, other

5/21, 11:00-11:15, **L215-002**

Behavior and Permeability of Coal at Supercritical CO₂ on Different Boundary Conditions

Tamotsu Kiyama, Soshi Nishimoto, Masaji Fujioka, other

5/21, 11:15-11:30, **L215-003**

Feasibility study of methanogenic bio-process from geologically sequestered carbon dioxide

Yuiko Nakata, Kozo Sato, Hideo Kawaguchi

5/21, 11:30-11:45, **L215-004**

Characteristic and future of resources and energy materials of Stopped CO₂ circulated system buried underground

Yasunori Miura

5/21, 11:45-12:00, **L215-005**

A Validation of Water- CO₂ Migration Model by In-situ Gaseous CO₂ Injection Test into Rock Mass

Hiroshi Suenaga, Eiji Nakata

5/21, 12:00-12:15, **L215-006**

CO₂ monitoring and it's roles in geological sequestration

ziqu xue, Toshifumi Matsuoka

5/21, 13:45-14:00, **L215-007**

Activity for Safety Assessment of CCS at RITE

Eiji Hayashi, Kameichiro Nakagawa, Hironobu Komaki, other

5/21, 14:00-14:15, **L215-008**

Strategy for detection and monitoring of stored CO₂ leakage from seafloor

Kiminori Shitashima

5/21, 14:15-14:30, **L215-009**

A study on mitigation of carbon dioxide leakage from storage reservoir

Taiki Yamada, Kozo Sato

5/21, 14:30-14:45, **L215-010**

A possible way to remedy leakage from reservoirs of geological CO2 storage

Hidenori Tanaka, Masayoshi Sakurai, Kotaro Sekine, other

5/21, 14:45-15:00, **L215-011**

Experimental study of quantifying CO2 mass with joint inversion of resistivity and wave velocity

Yoshihiro Nakatsuka, ziqiu xue, Toshifumi Matsuoka, other

5/21, 15:00-15:15, **L215-012**

On the CO2 Geological Storage Study at AIST in 2009FY and later

Toshiyuki Tosha, Yasuko Okuyama

L215:(CCS)

poster Convention Hall

5/20, **L215-P001**

Study of behavior of supercritical CO2 at mineral surface by FT-IR spectroscopy

Shunsuke Furukawa, Nobuo Hirano, Noriyoshi Tsuchiya

5/20, **L215-P002**

Rock physics study on Japanese geo-samples using proton nuclear magnetic resonance

Yoshito Nakashima, Shin Utsuzawa

5/20, **L215-P003**

Considering of a CO2 storage technique using shallow aquifer

Tatsuki Tokoro, Tooru Kato, Ken Nozaki, other

5/20, **L215-P004**

Depth dependency on fracture permeability in Neogene sedimentary basin at Horonobe, Hokkaido, Japan

Shin-ichi Uehara, Takuma Matsumoto, Toshihiko Shimamoto, other

5/20, **L215-P005**

CO2 enhanced solubility trapping caused by convective mixing in an aquifer storage

Chitoshi Akasaka, Norifumi Todaka, Yasuko Okuyama

5/20, **L215-P006**

A few laboratory experiments on the CO2 microbubbles sequestration method

Daisuke Miyazawa, Tamotsu Kiyama, Seiichiro Ioka, other

5/20, **L215-P007**

Carbon microbubbles sequestration: a novel technology for stable underground emplacement of greenhouse gases

Hitoshi Koide

5/20, **L215-P008**

CO2-driven Matsushiro swarm earthquakes: natural analogues of underground CO2 storage in Japan

Hitoshi Koide

5/20, **L215-P009**

Simulation of Geophysical Monitoring for Carbon Sequestration into Saline Aquifers

Yuji Nishi, Tsuneo Ishido, Toshiyuki Tosha

5/20, **L215-P010**

A feasibility study of gravimetric methods for monitoring geologic CO2 sequestration into aquifers

Mituhiko Sugihara, Tsuneo Ishido

5/20, **L215-P011**

Framework of Risk Assessment of CO2 Geological Storage

Atsuko Tanaka

5/20, **L215-P012**

The potential impacts on biogeochemical cycles of ocean CO2 sequestration

Namiha Yamada, Masahiro Suzumura, Nobuo Tsurushima

L216: (Climate change in the low latitude)

oral Function Room A

5/19, 15:30-15:45, **L216-001**

Carbon and oxygen isotopic compositions of modern brachiopod shells from a warm-temperate shelf environment, Sagami Bay, Japan.

Yasufumi Iryu, Kazuyuki Yamamoto, Ryuji Asami

5/19, 15:45-16:00, **L216-002**

Assessment of Sr/Ca ratio in coral skeleton as a high-precision SST proxy with high temporal resolution

Keitaro Kojima, Atsushi Suzuki, Takashi Okai, other

5/19, 16:00-16:15, **L216-003**

Examination of the possibility about the paleoclimate reconstruction by using the Porites corals in Ishigaki Island

Daisuke Araoka

5/19, 16:15-16:30, **L216-004**

Reconstruction of paleoceanography during mid to late Holocene recorded in fossil corals in Kikai Islands

Yuta Kawakubo, Yusuke Yokoyama, Atsushi Suzuki, other

5/19, 16:30-16:45, **L216-005**

Grain-scale heterogeneities in the stable carbon and oxygen isotopic compositions of the international standard calcite materials

Toyoho Ishimura, Urumu Tsunogai, Fumiko Nakagawa

5/19, 16:45-17:00, **L216-006**

Mg isotope composition in hermatypic and deep-sea corals

toshihiro yoshimura, Masaharu Tanimizu, Mayuri Inoue, other

L216: (Climate change in the low latitude) poster Convention Hall

5/19, **L216-P001**

The Potential of Sungkai (*Peronema canescens*) in Climate Reconstruction

Shigeki Tamura, **Yumiko Watanabe**, Takeshi Nakatsuka, other

5/19, **L216-P002**

Study on the coral skeleton of *Porites australiensis* response to light under long-term rearing experiments

Kazuaki Shimada, **Atsushi Suzuki**, Mayuri Inoue, other

5/19, ***L216-P003**

Influence of the East Asian Monsoon on climate variability reconstructed from a 170-year subtropical Western Pacific coral record

Mari Mishima, hodaka kawahata, Atsushi Suzuki, other

L217: (MAHASRI - iLEAPS) oral 201A

5/21, 9:00-9:04

Introductory talk

5/21, 9:04-9:19, ***L217-001**

MAHASRI and other international research projects related with Asian monsoon

Jun Matsumoto

5/21, 9:19-9:34, ***L217-002**

Overview of iLEAPS: Integrated Land Ecosystem - Atmosphere Processes Study

Kazuyuki Yagi

5/21, 9:34-9:36

Introductory talk

5/21, 9:36-9:54, ***L217-003**

Physical and chemical characteristics of aerosols emitted by biomass burning and their impacts on climate

Yutaka Kondo, Nobuhiro Moteki, Nobuyuki Takegawa

5/21, 9:54-10:06, **L217-004**

Satellite detection of biomass burning NO_x emissions in Siberia for the period 1998-2004

Hiroshi Tanimoto

5/21, 10:06-10:18, **L217-005**

Biogenic volatile organic compounds emitted from Japanese forests

Akira Tani

5/21, 10:18-10:30, **L217-006**

Organic aerosols: Their composition, origin and dynamics

Kimitaka Kawamura

5/21, 10:45-10:57, **L217-007**

Status and problems of numerical simulation of secondary organic aerosol formation

Makoto Koike, Hitoshi Matsui, Nobuyuki Takegawa, other

5/21, 10:57-11:09, **L217-008**

Changes in atmospheric chemistry, aerosols, and land use in Asia and their complex impacts on climate

Kengo Sudo, Kumiko TAKATA, Tetsuzo Yasunari

5/21, 11:09-11:21, **L217-009**

Simulation of climate change through aerosol direct and indirect effects -- focusing on aerosols from soil and vegetation --

Toshihiko Takemura

5/21, 11:21-11:31

Discussion

5/21, 11:31-11:33

Introductory talk

5/21, 11:33-11:51, ***L217-010**

Continental-scale interaction between vegetation and climate

Tetsuzo Yasunari

5/21, 11:51-12:03, **L217-011**

Semiannual oscillations of rainfall, botanical activity and carbon dioxide in the equatorial region

Manabu D. Yamanaka, Shuichi Mori, Jun-Ichi Hamada, other

5/21, 12:03-12:15, **L217-012**

Does too much soil water damage Siberian larch forest? Instantaneous response and long-term tolerance of a forest to environments

Takeshi Ohta, Ayumi Kotani, Taro Nakai, other

5/21, 13:45-13:47

Introductory talk

5/21, 13:47-13:59, **L217-013**

Estimation of canopy leaf area index in Siberian larch forest and validation

Rikie Suzuki, Kobayashi Hideki, Nicolas Delbart, other

5/21, 13:59-14:11, **L217-014**

Impacts of land use changes during 1700-1850 on seasonal changes of land condition and water cycle over the East Asia

Ryoji Yamashima, Jun Matsumoto, Kumiko TAKATA

5/21, 14:11-14:23, **L217-015**

Numerical investigation of relationship between climate and carbon cycle in the East Asian terrestrial ecosystem

Kazuo Mabuchi

5/21, 14:23-14:35, **L217-016**

Correlation analysis between terrestrial CO₂ budget and teleconnection indices

Akihiko Ito

5/21, 14:35-14:47, **L217-017**

Multi-model analysis of terrestrial water and carbon cycle in Japan and Asia: Japan-MIP and Asia-MIP

Kazuhito Ichii

5/21, 14:47-14:59, **L217-018**

Influence of fertilization and vegetation change on climate and terrestrial carbon balance in 4xCO₂ world.

Ryouta O'ishi, Ayako Abe-Ouchi

5/21, 14:59-15:15

Discussion

5/21, 15:30-15:32

Introductory talk

5/21, 15:32-15:50, ***L217-019**

Integrating the observing system and numerical modeling

Taikan Oki

5/21, 15:50-16:02, **L217-020**

Discussion for the comments on in situ measurement by Dr. Pavel Kabat

Hiroaki Kondo

5/21, 16:02-16:07

Discussion

5/21, 16:07-16:09

Introductory talk

5/21, 16:09-16:27, ***L217-021**

Collaboration between MAHASRI and iLEAPS

Toshio Koike

5/21, 16:27-17:00

Discussion

**L217: (MAHASRI - iLEAPS)
poster Convention Hall**

5/20, **L217-P001**

Observations and numerical simulations on cumulus topped boundary layer over the Loess Plateau, China
Masanori Nishikawa, **Tetsuya Hiyama**, Hatsuki Fujinami, other

5/20, **L217-P002**

Real-time continuous measurements of methane in a temperate Japanese cypress forest by near-infrared laser spectroscopy

Kenshi Takahashi, Yoshiko Kosugi, Akito Kanazawa, other

5/20, **L217-P003**

Examination of water exchange of a cool temperate deciduous broad-leaved forest using multi-layered canopy model
Junko Nakata, Takehiko Satomura, Nakata Junko River Basin Research Center, Modeling Analysis and Assessment Group

5/20, **L217-P004**

Global dataset creation of soil moisture and vegetation water contents using Aqua/AMSR-E data

Hideyuki Fujii, Toshio Koike

5/20, **L217-P005**

Land-atmosphere interaction over Sahel region, Africa revealed by several satellites data

Yuki Murayama, Atsushi Higuchi, Munehisa Yamamoto, other

5/20, **L217-P006**

Intercomparison of the relationship between precipitation and elevation among gridded precipitation datasets over the Asian region

Osamu Arakawa, Kenji Kamiguchi, Akio Kitoh

5/20, **L217-P007**

Uncertainties in Precipitation and Their Impacts on Simulation of Global CO2 Budget

Makoto Saito, Akihiko Ito, Shamil Maksyutov

5/20, **L217-P008**

Changes in Asian summer monsoon induced by cultivation during 1700-1850

Kumiko TAKATA, Kazuyuki Saito, Ryoji Yamashima, other

**M138: (Planetary atmosphere-magnetosphere)
poster Convention Hall**

5/19, **M138-P001**

Observation planning in PLANET-C mission
Takeshi Imamura, Imamura Takeshi Venus Exploration Group

5/19, **M138-P002**
A feasibility study for the 1um camera on board Planet-C
Seiko Takagi, Shoko Ohtsuki, Naomoto Iwagami

5/19, **M138-P003**
Simulation of Thermal Infrared Emission from Venusian Atmosphere
Kazuya Sakata, Makoto Taguchi

5/19, **M138-P004**
Countdown for PLANET-C Venus orbiter: Report of the Ultraviolet Imager Development
Manabu Yamada, Shigeto Watanabe, Shoichi Okano, other

5/19, **M138-P005**
Development of Longwave Infrared camera onboard PLANET-C
Tetsuya Fukuhara, Makoto Taguchi, Takeshi Imamura, other

5/19, **M138-P006**
Lightning and airglow observation by LAC onboard PLANET-C
Yukihiro Takahashi, Naoya Hoshino, Mitsuteru Sato, other

5/19, **M138-P007**
Investigation of Venus cloud particle size distribution using near-infrared spectral images taken by Venus Express/VIRTIS
Satoko Sorahana, Takehiko Satoh, Takeshi Imamura, other

5/19, **M138-P008**
Power spectrum analysis using UV images by VMC on board Venus express
Tomoko Teraguchi, Yukihiro Takahashi, Naoya Hoshino, other

5/19, **M138-P009**
Temporal variation of the Venus O2 night airglow
Shoko Ohtsuki, Naomoto Iwagami

5/19, **M138-P010**
Feasibility of ground-based optical observation an ion pick-up from Venus atmosphere
Kei Masunaga, Shoichi Okano, Yasumasa Kasaba, other

5/19, **M138-P011**
The variation of oxidant component in the Martian atmosphere by MEX/PFS
Shohei Aoki, Yasumasa Kasaba, Isao Murata, other

5/19, **M138-P012**
Development of 1 - 5 micron infrared camera for planetary atmospheric observations: electronics
Takeshi Sakanoi, Tadahisa Kobuna, Takashi Ichikawa, other

5/19, **M138-P013**
Development of a camera using DMD as an occulting mask for observations of faint emission around planets
Yasuyuki Obuchi, Takeshi Sakanoi, Masato Kagitani, other

5/19, **M138-P014**
The development of high-resolution infrared laser spectrometer for future planetary explorations
Yasumasa Kasaba, Hiromu Nakagawa, Akira Hashimoto, other

5/19, **M138-P015**
Observation of variation of Jupiter's ionospheric H3+ ion drift velocity
Tadahisa Kobuna, Takeshi Sakanoi, Shoichi Okano, other

5/19, **M138-P016**
Current status of EXCEED
Ichiro Yoshikawa, Naoki Terada, Munetaka Ueno, other

5/19, **M138-P017**
Investigation on radio interferometer observations of the sudden change in Jupiter's synchrotron radiation
Fuminori Tsuchiya, Hiroaki Misawa, Kota Imai, other

5/19, **M138-P018**
Development of DC electric field and plasma wave investigations for future missions

Keigo Ishisaka, Yasumasa Kasaba, Hirotsugu Kojima, other

5/19, **M138-P019**

What do we know from activities of Jupiter's radio emissions? - III

Hiroaki Misawa, Fuminori Tsuchiya, Akira Morioka, other

5/19, **M138-P020**

Studies on energetic electron variation phenomena in the inner part of the Jovian magnetosphere with the Galileo data

Ryo Ujiie, Hiroaki Misawa, Yuto Katoh, other

5/19, **M138-P021**

Variability of Jupiter's extended sodium nebula in the past decade

Mizuki Yoneda, Masato Kagitani, Hiroaki Misawa, other

5/19, **M138-P022**

Spectroscopic observation of OI(630nm) emission from Enceladus torus

Kunihiro Kodama, Masato Kagitani, Shoichi Okano

5/19, **M138-P023**

Loss processes in Saturn's inner magnetosphere ~interaction between energetic electrons and neutral particles~

Hiroyasu Tadokoro, Hiroaki Misawa, Fuminori Tsuchiya, other

5/19, **M138-P024**

Performance of the engineering model of the magnetometer (MGF-I) on BepiColombo MMO

Ayako Matsuoka, Manabu Shinohara, Yoshimasa Tanaka, other

5/19, **M138-P025**

A study on observation modes of MIA/MMO based on the EM design

Wataru Miyake, Yoshifumi Saito

5/19, **M138-P026**

Development of Mercury Sodium Atmosphere Spectral Imager (MSASI)

Hiromasa Nozawa, Ichiro Yoshikawa, Shingo Kameda, other

5/19, **M138-P027**

The simulation of the Mercury sodium atmosphere

Hiromi Watanabe, Kazuo Yoshioka, Shingo Kameda, other

5/19, **M138-P028**

Study on the spatial velocity distribution and its variability of Na atoms in Mercury's sodium tail

Hirohito Fukazawa, Masato Kagitani, **Shoichi Okano**

5/19, **M138-P029**

The relationship between the amount of the outflow oxygen ions and the solar wind condition and geomagnetic activity

Naoki Aso, Atsushi Yamazaki, Ichiro Yoshikawa, other

O139: (Exploration Geophysics)

oral 301B

5/20, 9:00-9:18, **O139-001**

Suppression of solar radiation heating by coated silicic microspheres -Scattering of electromagnetic wave due to silicic spheres-

Eri Ohkawa, Hitoshi Mikada, Kyosuke Onishi, other

5/20, 9:18-9:36, **O139-002**

Continuous monitoring of the shallow subseafloor resistivity using controlled current source

Junji Fujitani, Tada-nori Goto, Kyosuke Onishi, other

5/20, 9:36-9:54, **O139-003**

Imaging of hydrogeologic structure in a coastal zone by electric survey

Toshiharu Misonou, Hisafumi Asaue, tohru yoshinaga, other

5/20, 9:54-10:12, **O139-004**

Transition zone seismic survey using 4C OBC system

Hideo Saito, Susumu Abe, Akihisa Takahashi, other

5/20, 10:12-10:30, **O139-005**

Development of a new scheme for the joint-inversion of seismic and resistivity structures.
Yoko Morita, **Yasuko Takei**, Makoto Uyeshima

O139: (Exploration Geophysics) poster Convention Hall

5/19, **O139-P001**

Multi-component reflection survey with MEMS accelerometer for deep seismic profiling across the Kitakami Lowland, Northeast Japan

Kazuya Shiraishi, Susumu Abe, Hideo Saito, other

5/19, **O139-P002**

Approach to development of electrical and magnetic exploration tools for seabed resources near the sea floor

Keizo Sayanagi, Tada-nori Goto, Takafumi Kasaya, other

5/19, **O139-P003**

Extraction of complex delay from diffusive electromagnetic data in frequency domain

Takahiro Nakajima, Mineo Kumazawa, Yoko Hasada

5/19, **O139-P004**

Subsurface exploration using longwave radio-clock time-signal

Shoji Yamazaki, Hitoshi Mikada, Kyosuke Onishi, other

5/19, **O139-P005**

On the mechanism of sonic compressional velocity increase due to gas

Takahito Banno, Kyosuke Onishi, Tada-nori Goto, other

5/19, **O139-P006**

Relationship groundwater and self potential applied with sandbox experiment

Yasunari Tojo, **Katsumi Hattori**, Hitomi Kono

5/19, **O139-P007**

A geothermal reservoir monitoring using A10 absolute and CG-3M relative gravimeter around Takigami geothermal power plant

Jun Nishijima, Hakim Saibi, Yasuhiro Fujimitsu, other

5/19, **O139-P008**

VOLNACO-LOOP: toward the monitoring phreatic eruption environment in terms of resistivity

Yusuke Ozawa, **Yasuo Ogawa**, Wataru Kanda, other

5/19, **O139-P009**

Extracting temporal variation at deep part of geothermal area resistivity using by Magnetotelluric Method

Hisafumi Asaue, Katsuaki Koike

O218: (Airborne Survey of the Earth) oral Exhibition Hall 7 sub

5/20, 13:45-14:00, **O218-001**

Airborne Gravity Measurements conducted between 2000 and 2002--New arrangement, improvement and construction of Data Bases

Jiro Segawa, Yoshio Ueda

5/20, 14:00-14:15, **O218-002**

Comparative study of the Downward Continuation Methods to be applied to the airborne gravity data

Jiro Segawa, Yoshio Ueda

5/20, 14:15-14:30, **O218-003**

Airborne Gravity Survey of Offshore Area of Northern Noto Peninsula

Masao Komazawa, Shigeo Okuma, Jiro Segawa

5/20, 14:30-14:45, **O218-004**

Validation for hyperspectral volcano observations using Airborne Radiative Transfer Spectral Scanner (ARTS)

Tetsuya Jitsufuchi

5/20, 14:45-15:00, **O218-005**

Project error of the total intensity magnetic anomaly and importance of three component magnetic anomalies

Nobuhiro Isezaki, Jun Matsuo

5/20, 15:00-15:15, **O218-006**

Correlation case study between geotechnical estimation result by EM methods and tunnel excavation data in east Hokkaido

Kenji Okazaki, Yoshihiko Ito, Katsuhito AGUI

**O218: (Airborne Survey of the Earth)
poster Convention Hall**

5/19, **O218-P001**

Application of the generalized mis-tie control method to detect magnetic anomaly change associated with the volcanic activity

Tadashi Nakatsuka, Mitsuru Utsugi, Shigeo Okuma, other

5/19, **O218-P002**

Magnetic Structure of Stromboli Volcano, Aeolian Islands, Italy

Shigeo Okuma, Christian Stotter, Robert Supper, other

5/19, **O218-P003**

The study of magnetization distribution of Aogashima volcano, analyzed by three component- three dimensional geomagnetic field.

Jun Matsuo, Nobuhiro Isezaki, Masashi Tsukui

5/19, **O218-P004**

Attempt of detection of volcano-geomagnetic changes using repeated aeromagnetic observation (2)

Mitsuru Utsugi

5/19, **O218-P005**

Topographic Effect in GREATEM data

Toru Mogi

5/19, **O218-P006**

Development of the airborne gamma ray measurements by the plastic scintillator detector using an UAV helicopter

Masayuki Imaizumi, **Youichi Yuuki**, Sadayuki Uchiyama

**P140: (Planetary Sciences)
oral 304**

5/18, 10:45-11:00, **P140-001**

Origin of a difference between Jovian and Saturnian satellite systems

Takanori Sasaki, Shigeru Ida

5/18, 11:00-11:15, **P140-002**

Sublimation impact for the temporal change of albedo dichotomy on Iapetus.

Hisataka Morito, **Jun Kimura**, Tomokatsu Morota, other

5/18, 11:15-11:30, **P140-003**

Silicate atmosphere after a giant impact

Junya Miki, Yutaka Abe

5/18, 11:30-11:45, **P140-004**

The Condition Dividing 'Ocean Planets' and 'Land Planets'

Kazuyoshi Abuku, Yutaka Abe

5/18, 11:45-12:00, **P140-005**

A planetary candidate with a very wide separation to a binary T Tauri star

Masayuki Kuzuhara, Motohide Tamura, Tomoyuki Kudo, other

5/18, 12:00-12:15, **P140-006**

On the structure and composition of the transiting hot super-Earth CoRoT-Exo-7b

Masahiro Ikoma, Diana Valencia, Tristan Guillot

5/18, 13:45-14:00, **P140-007**

Exploration of Jupiter and Trojan Asteroids

Sho Sasaki, Masaki Fujimoto, Hajime Yano, other

5/18, 14:00-14:15, **P140-008**

Observations of the zodiacal light in the cruising phase of PLANET-C/VCO

Munetaka Ueno, Masateru Ishiguro, Takehiko Satoh, other

5/18, 14:15-14:30, **P140-009**

An experimental study on development of a LIBS instrument for planetary explorations: effects of pulse repetition rate

Yuichiro Cho, Satoshi Maruyama, Ayako Suzuki, other

5/18, 14:30-14:45, **P140-010**

Development of LIBS for future lunar and planetary exploration at PERC/Chitech, the University of Tokyo, and RISE/NAOJ

Noriyuki Namiki, Seiji Sugita, Sho Sasaki, other

5/18, 14:45-15:00, **P140-011**

Study on extra-terrestrial lava tube with proposals for future explorations of the Moon and Mars

Junichi Haruyama, Hideaki Miyamoto, Toshiyuki Nishibori, other

5/18, 15:00-15:15, **P140-012**

Subsurface structure of a giant basin on the Moon

Ryosuke Nakamura, Tsuneo Matsunaga, Makiko Ohtake, other

5/18, 15:30-15:45, **P140-013**

Shock induced melting of chondrite-like materials: implication on the origin of pallasite

Eiichi Takahashi, Yuki Tsumagari, Toshimori Sekine

5/18, 15:45-16:00, **P140-014**

Laboratory experiment for impact melt generation in the impact crater

Koji Dohi, Masahiko Arakawa, Toshihiko Kadono, other

5/18, 16:00-16:15, **P140-015**

Impact experiments of sintered snow sphere : implication for the collisional disruption of icy planetesimals in thermal evolution

Yuri Shimaki, Masahiko Arakawa, Minami Yasui

5/18, 16:15-16:30, **P140-016**

Experimental study for effect of centrifugal force on collisional disruption: comparison with experiment under microgravity

Yasuyuki Yamashita, Masato Setoh, Akiko Nakamura, other

5/18, 16:30-16:45, **P140-017**

Impact experiments with an impact velocity higher than 10 km/s and recovery of craters and ejecta

Toshihiko Kadono, Tatsuhiro Sakaiya, Yoichiro Hironaka, other

5/18, 16:45-17:00, **P140-018**

In-Situ Observation of Silicate Vaporization by Hypervelocity Impacts: The Phase Boundary of Impact-Heated Silicate.

Kosuke Kurosawa, Seiji Sugita, Toshihiko Kadono, other

5/19, 9:00-9:15, **P140-019**

Impact Crater and Melting Repair Mechanism

Shinichiro MADO

5/19, 9:15-9:30, **P140-020**

The origin of N₂ in Titan's atmosphere: the role of impact devolatilization of Titan's icy crust

Sho Fukuzaki, Yasuhito Sekine, Seiji Sugita, other

5/19, 9:30-9:45, **P140-021**

Collisional and orbital history on Comet 9/P Tempel 1

Satoru Yamamoto, Koji Wada, Hiroshi Kobayashi, other

5/19, 9:45-10:00, **P140-022**

Dust Aggregate Collisions: Sticking, Bouncing, and Disruption

Koji Wada, Hidekazu Tanaka, Toru Suyama, other

5/19, 10:00-10:15, **P140-023**

Electric charging of dust aggregates and its effect on dust coagulation in protoplanetary disks

Satoshi Okuzumi, Hidekazu Tanaka, Masa-aki Sakagami

5/19, 10:15-10:30, **P140-024**

Size distribution of dust grains in vortices in a protoplanetary disk

Eri Kawamura, Sei-ichiro Watanabe

5/19, 10:45-11:00, **P140-025**

Change of tensile strength of sintered soda-lime glass beads: Consideration from sintering mechanism

Nagisa Machii, Akiko Nakamura

5/19, 11:00-11:15, **P140-026**

Sintering fragmentation of a dust aggregate due to sublimation and condensation

Sin-iti Sirono

5/19, 11:15-11:30, **P140-027**

Rocky planetesimal formation by sublimation of icy dust aggregates: effect of H_2O vapor pressure

Etsuko Saitou, Sin-iti Sirono

5/19, 11:30-11:45, **P140-028**

Evolution of dust surface density distribution in protoplanetary disks: Effect of grain growth and fragmentation

Takashi Fukui, Hidekazu Tanaka, Kiyoshi Kuramoto

5/19, 11:45-12:00, **P140-029**

Development of a hybrid N body simulation code for planet formation process that can handle number of large particles

Shoichi Oshino, Junichiro Makino

5/19, 12:00-12:15, **P140-030**

Local Linear Analysis of Interaction between a Planet and Viscous Disk and an Implication on Type I Planetary Migration

Takayuki Muto, Shu-ichiro Inutsuka

P140:(Planetary Sciences) poster Convention Hall

5/18, **P140-P001**

Steady Dust Concentration and Planetesimal Formation at the Super/Sub-Keplerian Flow Boundary Created by Non-uniform Growth of MRI

Mariko Kato, Masaki Fujimoto, Shigeru Ida

5/18, **P140-P002**

Dust radial transport by radiation pressure from inner rim of disks: The effect of turbulent diffusion

Daisuke Fujiwara, Sei-ichiro Watanabe

5/18, **P140-P003**

Importance of cratering collision in collision cascade

Hiroshi Kobayashi, Hidekazu Tanaka

5/18, **P140-P004**

Simultaneous Measurements of Temperature and Pressure in Laser-Simulated Impact Vapor Clouds using Fe Emission Lines

Kosuke Kurosawa, Seiji Sugita

5/18, **P140-P005**

Experimental study of shock melting process at the time of planetary formation

Yuki Tsumagari, Eiichi Takahashi, Toshihiro Suzuki

5/18, **P140-P006**

A Numerical Study of Collisions of Icy Bodies Using SPH Method

Miki Nakajima, Hidenori Genda, Shigeru Ida

5/18, **P140-P007**

Smoothed Particle Hydrodynamics for real gas with approximate Riemann Solver.

Shigeru Ida, Hidenori Genda, **Natsuki Hosono**

5/18, **P140-P008**

Development of recovery technique of laser-shocked olivine

Tetsuhiro Yamada, **Tatsuhiko Sakaiya**, Tadashi Kondo, other

5/18, **P140-P009**

Ejecta size distribution from hyper-velocity impact disruption of planetary materials by a laser accelerated projectile

Susumu Takasawa, Akiko Nakamura, Toshihiko Kadono, other

5/18, **P140-P010**

Development of CdTe gamma-ray detector for in-situ observations of planetary elemental composition
Takefumi Mitani, Takeshi Takashima

5/18, **P140-P011**

BepiColombo Euro-Japan Joint mission to Mercury: MMO Project Status update
Hajime Hayakawa, Hiroyuki Ogawa, Kenji Minesugi, other

5/18, **P140-P012**

Hemispheric distributions of CO above the Venus's clouds by ground-based 2.3micron spectroscopy
Takashi Yamaji, Shoko Ohtsuki, Naomoto Iwagami

5/18, **P140-P013**

The surface environment of Venus estimated from the decomposition rate of pyrite
Kei Kunugi, Shogo Tachibana, Hiroko Nagahara

5/18, **P140-P014**

Observation of the lunar ionosphere by dual-spacecraft method in KAGUYA mission
Hiroki Ando, Takeshi Imamura, Takahiro Iwata, other

5/18, **P140-P015**

Grain growth rates of ice with second phases: Implications for rheology of ice shells and ice mantles in outer solar system bodies
Hiroyoshi Nakata, **Tomoaki Kubo**, Takumi Kato

5/18, **P140-P016**

Thermal Properties of Granular Materials on Planetary Surface
Akiko Iwasaki, Kei Kurita

5/18, **P140-P017**

Space Weathering on Mercury: Effect of Impact Mixing and Weathering of Anorthite
Sho Sasaki, Takahiro Hiroi, Tomoko Arai, other

5/18, **P140-P018**

The Effect of Obliquity Change on the Multiplicity of Stable Solutions of the climate System of Water-rich Terrestrial Planets
Yoshiyasu Watanabe, Eiichi Tajika

P141: (Solid materials in stars and planets) **oral 301A**

5/20, 9:00-9:13, **P141-001**

Revisit of the solar isotopic abundances of O and H in the solar system
Minoru Ozima

5/20, 9:13-9:26, **P141-002**

Mass Independent Isotopic Fractionation of Oxygen; Calculations in relevance to the O isotopic abundances in Earth Wind (EW)
Akinori Yamada, Shinkoh Nanbu, Yasutaka Hiraki, other

5/20, 9:26-9:39, **P141-003**

Mass independent isotope fractionation of molecular oxygen during electron ionization
Osamu Abe, Minoru Ozima, Akinori Yamada

5/20, 9:39-9:52, **P141-004**

Formation conditions of fine-grained inclusions inferred from their REE patterns.
Hajime Hiyagon

5/20, 9:52-10:05, **P141-005**

U-Pb isotopic systematics on experimentally shocked baddeleyite up to 57 GPa
Takafumi Niihara, Hiroshi Kaiden, Keiji Misawa, other

5/20, 10:05-10:18, **P141-006**

The formation mechanism of alkali-rich fragments in Yamato-74442 and Bhola LL chondritic breccias
Tatsunori Yokoyama, Keiji Misawa

5/20, 10:45-10:58, **P141-007**

AKARI observation of interstellar ice
Yuri Aikawa, Itsuki Sakon, Motohide Tamura, other

5/20, 10:58-11:11, **P141-008**

Measurement of energy partitioning in hydrogen molecule produced in the photolysis of amorphous water and methanol ices

Tetsuya Hama, Masaaki Yokoyama, **Akihiro Yabushita**, other

5/20, 11:11-11:24, **P141-009**

Formation of amorphous H₂O ice by surface atomic reactions at low temperatures.

Yasuhiro Oba, Naoya Miyauchi, Hiroshi Hidaka, other

5/20, 11:24-11:37, **P141-010**

Life time of hydrogen atom on amorphous CO ice

Yuki Kimura, Valerio Pirronello, Akira Kouchi, other

5/20, 11:37-11:50, **P141-011**

Estimation of density and size distributions of Wild-2 cometary dust particles based on Stardust tracks

Yousuke Iida, **Akira Tsuchiyama**, Toshihiko Kadono, other

5/20, 11:50-12:03, **P141-012**

In situ observation of impact track formation in an ultra-low density material

Rei Niimi, Toshihiko Kadono, Akira Tsuchiyama, other

5/20, 12:03-12:15, **P141-013**

Experimental study on the sticking velocity of rimmed chondrules

Yoichiro Uchiyama, **Masahiko Arakawa**, Chisato Okamoto

5/20, 13:45-13:58, **P141-014**

Characteristics of mineralogy and carbonaceous materials in micrometeorites retrieved from surface snow in Antarctica

Takaaki Noguchi, Tomoaki Saeki, Noriaki Ohashi, other

5/20, 13:58-14:11, **P141-015**

Internal textures and chemical compositions of Triassic deep-sea spherules in Japan

Tetsuji Onoue, Takeshi Haranosono, Chika Yasuda, other

5/20, 14:11-14:24, **P141-016**

Hydrothermal alteration experiments of amorphous silicates: implication to aqueous alteration in CM chondrites.

Ryo Noguchi, Keisuke Murata, Akira Tsuchiyama

5/20, 14:24-14:37, **P141-017**

Effects of Shape and Aggregation on Infrared Spectra of Forsterite Particles

Yuta Imai, Chiyoe Koike, Hiroki Chihara, other

5/20, 14:37-14:50, **P141-018**

Condensation experiments in the system of Mg-Si-O and its application to formation of silicates around evolved stars

Shogo Tachibana, Hiroko Nagahara, Kazuhito Ozawa, other

5/20, 14:50-15:03, **P141-019**

Growth of heterogeneously condensed grains

Hiroko Nagahara, Kazuhito Ozawa

5/20, 15:03-15:07

Outline of Poster Presentation

P141:(Solid materials in stars and planets) poster Convention Hall

5/20, **P141-P001**

Nepheline formation in CAIs and matrix in the Ningqiang carbonaceous chondrite: Evidence for unusual parent-body alteration.

Mitsuhiro Sugita, Kazushige Tomeoka

5/20, **P141-P002**

Origin of Cavities in Cosmic Spherules

Masao Doi, Taishi Nakamoto

P142:(Mars) oral 304

5/17, 13:45-14:00, **P142-001**

Mars Exploration Mission MELOS: An Overview

Takehiko Satoh Working Group for MELOS Mars Exploration Mission

5/17, 14:00-14:15, **P142-002**

Science targets by investigation of the internal structure of Mars

Kei Kurita, Hideaki Miyamoto Discussion Group for the Lander of MELOS Mars Exploration Mission

5/17, 14:15-14:30, **P142-003**

Mars activities investigation by the MELOS mission

Seiji Sugita, Hideaki Miyamoto, Shogo Tachibana, other

5/17, 14:30-14:45, **P142-004**

Suggestions from the Earth about what we see on Mars

Soichi Omori, Hirohide Demura, Nobuo Geshi, other

5/17, 14:45-15:00, **P142-005**

Mars surface environment: Preliminary planning for the lander of MELOS Mars mission

Hideaki Miyamoto, Seiji Sugita, Shogo Tachibana, other

5/17, 15:00-15:15, **P142-006**

Current status of optical instruments for Mars Lander System

Hirohide Demura, Soichi Omori, Nobuo Geshi, other

5/17, 15:30-15:45, **P142-007**

Atmospheric Escape Science by Mars Exploration Mission MELOS

Naoki Terada, Ayako Matsuoka, Shogo Tachibana, other

5/17, 15:45-16:00, **P142-008**

Atmospheric Escape Science by Mars Exploration Mission MELOS: Approach from imaging observation.

Atsushi Yamazaki, Munetaka Ueno, YASUKO KASAI, other

5/17, 16:00-16:15, **P142-009**

The effect of the crustal magnetic field on the Martian plasma density

Miho Kanao, Yoshifumi Futaana, Atsushi Yamazaki, other

5/17, 16:15-16:30, **P142-010**

Submillimeter observations of SO₂ in martian atmosphere using ASTE high-spectral resolution measurement

Hiromu Nakagawa, Yasumasa Kasaba, Hiroyuki Maezawa, other

5/17, 16:30-16:45, **P142-011**

Carbon-and chlorine-bearing materials on Mars

Yasunori Miura

5/17, 16:45-17:00

Introduction of Poster Presentation

5/18, 9:00-9:15, **P142-012**

MAPPING VALLEY NETWORKS IN THE NOACHIAN TERRAIN AROUND NAKTONG VALLIS, MARS: TOPOGRAPHIC CONTROL ON DRAINAGE DENSITY.

Yumu Yamaguchi, Hideaki Miyamoto

5/18, 9:15-9:30, **P142-013**

Dark Halo: Evidence for Atmosphere-Ground Interaction at Martian Volcanoes

Takenori Toyota, Kei Kurita

5/18, 9:30-9:45, **P142-014**

Basic numerical experiments on two dimensional moist convection including condensation of major atmospheric component

Tatsuya Yamashita, Masatsugu Odaka, Ko-ichiro SUGIYAMA, other

5/18, 9:45-10:00, **P142-015**

Simulation of the water cycle on Mars in a general circulation model

Takeshi Kuroda, Masaaki Takahashi, Daisuke Sakai, other

5/18, 10:00-10:15, **P142-016**

Studying the Martian meteorology in the Japanese Mars mission (1)

Takeshi Imamura, YASUKO KASAI, Takeshi Kuroda, other

5/18, 10:15-10:30, **P142-017**

Science targets of MELOS (2) Dust devil, dust storm and atmospheric electricity
Yukihiro Takahashi, Hirohide Demura, Kiyoshi Maezawa, other

P142:(Mars) poster Convention Hall

5/17, **P142-P001**

Planetary free oscillations by the mountain wave on Mars
Jun Kawaguchi, Kei Kurita, Masahiro Takagi

5/17, **P142-P002**

Estimate of the magnetic field of Mars based on the magnetic characteristics of the Yamato 000593 nakhlite
Minoru Funaki, Naoya Imae

5/17, **P142-P003**

Geochemical variability seen by the Mars Exploration Rovers and acid-fog alteration modelling
Erwan TREGUIER

5/17, **P142-P004**

South Polar Layered deposits and Climatic change on Mars
Masayuki Moroi, **Shoichi Okano**

5/17, **P142-P005**

Martian dust devil track: the difference bright track and dark track
Kazuki Hamada, Kei Kurita

5/17, **P142-P006**

Mass spectrometer for geochemical, geological and mineralogical investigation onboard a Mars lander
Yayoi N. Miura, Shogo Tachibana, Keisuke Nagao, other

5/17, **P142-P007**

Evaluation of shock pressure for Martian meteorites using cathodoluminescence method
Tadahiro Nakazato, Masahiro Kayama, Hirotsugu Nishido, other

5/17, **P142-P008**

Subsurface hydrothermal system and the origin of Martian magnetic anomaly
Norihiro Nakamura, Yoichi Usui

5/17, **P142-P009**

Experimental Reproduction of Martian Soil by Hydrothermal Alteration of the Synthetic Martian Basalt with Sulfuric acid and CO₂

Miwako Yoshizawa, Hiroshi Isobe

5/17, **P142-P010**

Evolution of surface environment of Mars: geochemical constraints from in-situ isotopic measurements
Shogo Tachibana, Yayoi N. Miura, Keisuke Nagao, other

5/17, **P142-P011**

Exploration of Mars Internal structure by inverse VLBI technique
Fuyuhiko Kikuchi, Takahiro Iwata, qinghui Liu, other

5/17, **P142-P012**

Landing site selection for the MELOS lander: Preliminary planning started
Hideaki Miyamoto, Goro Komatsu, Nobuo Geshi, other

5/17, **P142-P013**

Science Lander System for Mars Exploration Mission MELOS
Tatsuaki Okada, Takashi Kubota, Naoko Ogawa, other

P143:(Small Solar System Bodies) oral 304

5/16, 9:00-9:13, **P143-001**

Determining meteoroid properties from high-resolution radar observations
Johan Kero, Csilla Szasz, Asta Pellinen Wannberg, other

5/16, 9:13-9:26, **P143-002**

Radio meteors above the Arctic Circle: radiants and orbits

Csilla Szasz, Johan Kero, David D. Meisel, other

5/16, 9:26-9:39, **P143-003**

Measurements of fragment velocities in catastrophic disruptions of core-mantle bodies.

Chisato Okamoto, Masahiko Arakawa

5/16, 9:39-9:52, **P143-004**

Satellite Formation: Supply of Solid Material to Circum-Planetary Disk

Takayuki Tanigawa, Keiji Ohtsuki, Hiroshi Kobayashi, other

5/16, 9:52-10:05, **P143-005**

Estimation of metamorphic temperature of NWA2129 CK-carbonaceous chondrite: Implications for the formation process

Daisuke Dogomi, **Yoshihiro Nakamuta**

5/16, 10:05-10:18, **P143-006**

Distribution of bright spots on the surfaces of boulders on Itokawa

Hiroto Takeuchi, Hideaki Miyamoto

5/16, 10:18-10:30, **P143-007**

Current Status of Post Hayabusa Missions

Makoto Yoshikawa, Makoto Yoshikawa Solar System Small Body Exploration Working Group, Makoto Yoshikawa Hayabusa-2 Pre-project Team

P143:(Small Solar System Bodies) poster Convention Hall

5/16, **P143-P001**

Impact experiments on dehydration of hydrated asteroids

Ayana Takabe, Takekuni Katura, Masato Setoh, other

5/16, **P143-P002**

Collisional destruction of iron meteorites

Takekuni Katura, Ayana Takabe, Masato Setoh, other

5/16, **P143-P003**

Impact experimental study about the relation between internal structure of small bodies and the attenuation rate of stress wave

Masato Setoh, Akiko Nakamura, Yasuyuki Yamashita, other

5/16, **P143-P004**

Compositional Variation of Phyllosilicates Produced by Alteration Experiments of the Primitive Materials Under Reducing Conditions

Hiroko Ozaki, **Hiroshi Isobe**

5/16, **P143-P005**

Current status of the planetary sample curation facility of Japan

Akio Fujimura, Toru Yada, Masanao Abe, other

P144:(Moon) oral 304

5/16, 10:45-11:00, **P144-001**

Lunar Explorer Kaguya and its Lunar Science

Manabu Kato

5/16, 11:00-11:15, **P144-002**

Comparative study of compensation mechanism of lunar impact basins

Noriyuki Namiki, Seiji Sugita, Koji Matsumoto, other

5/16, 11:15-11:30, **P144-003**

Summary of the one-year laser topographic observation by Kaguya-LALT

Hiroshi Araki, Seiichi Tazawa, Hiroto Noda, other

5/16, 11:30-11:45, **P144-004**

Developing the Lunar Moho Depth / Crustal Thickness Model from Selenodetic Data of SELENE (Kaguya)

Yoshiaki Ishihara, Sander Goossens, Koji Matsumoto, other

5/16, 11:45-12:00, **P144-005**

Lunar radar sounder observations of subsurface layers under the nearside maria of the Moon
Takayuki Ono, **Atsushi Kumamoto**, Hiromu Nakagawa, other

5/16, 12:00-12:15, **P144-006**

The Overview of KAGUYA Ground System and Data Delivery Plan
Shinichi Sobue, Hayato Okumura, Jun Kimura, other

5/16, 13:45-14:00, **P144-007**

Observational results and perspectives of Terrain Camera on Kaguya (SELENE) in its nominal mission period
Junichi Haruyama, Tsuneo Matsunaga, Makiko Ohtake, other

5/16, 14:00-14:15, **P144-008**

Extremely plagioclase-rich lunar upper crust: Results of the Multiband Imager for the SELENE mission
Makiko Ohtake, Yasuhiro Yokota, Junichi Haruyama, other

5/16, 14:15-14:30, **P144-009**

Mineral Compositions of the Bright Rayed Craters and Lunar Far-side Crust Revealed by the by Spectral Profiler on SELENE/KAGUYA

Yoshiko Ogawa, Tsuneo Matsunaga, Ryosuke Nakamura, other

5/16, 14:30-14:45, **P144-010**

Ages and stratigraphy of mare basalts in Mare Moscoviense

Tomokatsu Morota, Junichi Haruyama, Chikatoshi Honda, other

5/16, 14:45-15:00, **P144-011**

Diversity of the lunar crusts: Petrological characteristics of the nearside of the moon

Takamitsu Sugihara, Makiko Ohtake, Junichi Haruyama, other

5/16, 15:00-15:15, **P144-012**

Orthopyroxenes in lunar highland breccias with reference to remote sensing spectroscopy

Hiroshi Takeda, Akira Yamaguchi, Yoshiko Ogawa, other

5/16, 15:30-15:45, **P144-013**

Semi-automatic recognition of lunar geologic units based on texture and spectral features using image data of KAGUYA, LISM TC/MI

Yuto Shibata, Naru Hirata, Hirohide Demura, other

5/16, 15:45-16:00, **P144-014**

Status and Performance of the Gamma-Ray Spectrometer on the KAGUYA (SELENE)

Masanori Kobayashi, Nobuyuki Hasebe, Makoto Hareyama, other

5/16, 16:00-16:15, **P144-015**

New maps of natural radioactive elements on the lunar surface obtained by KAGUYA Gamma-Ray Spectrometer

Shingo Kobayashi, Nobuyuki Hasebe, Eido Shibamura, other

5/16, 16:15-16:30, **P144-016**

Chemical Composition of the Lunar Surface Material Observed by SELENE Gamma-Ray Spectrometer

Yuzuru Karouji, Nobuyuki Hasebe, Eido Shibamura, other

5/16, 16:30-16:45, **P144-017**

Vertical distribution of KREEP explored by lunar seismic tomography

Tomoko Arai, Dapeng Zhao

5/16, 16:45-17:00, **P144-018**

Composition of lunar magma ocean constrained from physical properties of magma: An experimental study

Risa Sakai, Ikuo Kushiro, Hiroko Nagahara, other

5/17, 9:00-9:15, **P144-019**

Long-wavelength magnetic anomalies of the Moon observed by Kaguya: implications for the lunar crustal magnetism

Hideo Tsunakawa, Futoshi Takahashi, Hidetoshi Shibuya, other

5/17, 9:15-9:30, **P144-020**

Low energy ion distribution around the Moon

Yoshifumi Saito, Shoichiro Yokota, Kazushi Asamura, other

5/17, 9:30-9:45, **P144-021**

structure of the lunar exosphere deduced from the ion observation by SELENE (KAGUYA) MAP-PACE

Takaaki Tanaka, Yoshifumi Saito, Shoichiro Yokota, other

5/17, 9:45-10:00, **P144-022**

Electron density distribution around the lunar wake derived from KAGUYA LRS/WFC observation
Akihiko Muro, **Yoshiya Kasahara**, Yoshitaka Goto, other

5/17, 10:00-10:15, **P144-023**

Observing the lunar ionosphere with SELENE radio science
Takeshi Imamura, Takahiro Iwata, Nanako Mochizuki, other

5/17, 10:15-10:30, **P144-024**

Lunar sodium exosphere observed by SELENE(KAGUYA) MAP-PACE
Shoichiro Yokota, Yoshifumi Saito, Kazushi Asamura, other

5/17, 10:45-11:00, **P144-025**

Observation of lunar sodium atmosphere using UPI-TVIS onboard Kaguya
Masato Kagitani, Makoto Taguchi, Atsushi Yamazaki, other

5/17, 11:00-11:15, **P144-026**

Re-investigation of the Farside Deep Moonquake with the Lunar Surface Gravimeter
Taichi Kawamura, Satoshi Tanaka, Yasuyuki Saito, other

5/17, 11:15-11:30, **P144-027**

On carbon-bearing material changes to liquid phases by high-pressure processes on the Moon
Yasunori Miura

5/17, 11:30-11:45, **P144-028**

Science case study using SLIM small lunar lander
Tatsuaki Okada, Shujiro Sawai, Seisuke Fukuda, other

5/17, 11:45-12:00, **P144-029**

Current status of science instruments onboard SELENE-2
Satoshi Tanaka, Yu-ichi Iijima, Hisashi Otake, other

5/17, 12:00-12:15, **P144-030**

Application of VLBI technique for lunar exploration
Fuyuhiko Kikuchi, Takahiro Iwata, Nobuyuki Kawano, other

P144:(Moon) poster Convention Hall

5/16, **P144-P001**

Lunar Radar Sounder Observations of Subsurface Layers under the Nearside Maria of the Moon
Takayuki Ono, Atsushi Kumamoto, Hiromu Nakagawa, other

5/16, **P144-P002**

Global feature of HF radar reflected from lunar surface derived from Kaguya/LRS
Hiromu Nakagawa, Takayuki Ono, Atsushi Kumamoto, other

5/16, **P144-P003**

Estimations of subsurface structures and dielectric properties of lunar mare regions from Lunar Radar Sounder (LRS) observations
Yuu Tominaga, Takayuki Ono, Atsushi Kumamoto, other

5/16, **P144-P004**

Characteristics of subsurface structures of the western mare regions estimated from Lunar Radar Sounder Data
Shoko Oshigami, Yasushi Yamaguchi, Kengo Mochizuki, other

5/16, **P144-P005**

Analysis of low-frequency plasma wave observed by Waveform Capture (WFC) onboard KAGUYA
Takafumi Shiraishi, Taketoshi Miyake, Keigo Ishisaka, other

5/16, **P144-P006**

LRS data analysis methods for the detection of lunar subsurface echoes
Kengo Mochizuki, Shiho Watanabe, Shoko Oshigami, other

5/16, **P144-P007**

Morphological and spectral analyses of large lunar craters
Naru Hirata, Junichi Haruyama, Makiko Ohtake, other

5/16, **P144-P008**

Detailed morphology of Vallis Schröteri.
Chikatoshi Honda, Junichi Haruyama, Makiko Ohtake, other

5/16, **P144-P009**
Image region segmentation for lunar geological mapping
Shizuka Suzuki, Noriaki Asada, Hirohide Demura, other

5/16, **P144-P010**
Study of overground openness for crater detection on digital terrain model of Kaguya
Shunsuke Morita, Yuto Shibata, Noriaki Asada, other

5/16, **P144-P011**
INTEGRATION OF MULTI-INSTRUMENTAL DATA SETS OF KAGUYA, LISM AND LALT.
Hirohide Demura, Junya Terazono, Naru Hirata, other

5/16, **P144-P012**
Assesment of KAGUYA (SELENE) Lunar Gravity Field Models
Sander Goossens, Koji Matsumoto, Hiroto Noda, other

5/16, **P144-P013**
The lunar topography observed by the laser altimeter aboard KAGUYA and data assesment
Hiroto Noda, Hiroshi Araki, Sander Goossens, other

5/16, **P144-P014**
A Study on the Evolution Processes of Surface and Inner Structures for lunar basins using global gravity data by SELENE/RSAT
mizuho matsumura, Tomokatsu Morota, Yoshiaki Ishihara, other, **Takahiro Iwata**,

5/16, **P144-P015**
An upper bound of the size of the lunar core inferred from induced dipole observed by LMAG onboard SELENE/KAGUYA
Hisayoshi Shimizu, Masaki Matsushima, Futoshi Takahashi, other

5/16, **P144-P016**
Quantitative comparison of lunar crustal magnetic field observed by Kaguya and Lunar Prospector missions
Aya Hayashida, Hidetoshi Shibuya, Hideo Tsunakawa, other

5/16, **P144-P017**
Surface magnetic field mapping on high albedo marking areas of the moon
Kyoko Aikawa, **Hidetoshi Shibuya**, Hideo Tsunakawa, other

5/16, **P144-P018**
On magnetic field modulation associated with interaction between the solar wind and lunar magnetic anomalies
Futoshi Takahashi, Hideo Tsunakawa, Hidetoshi Shibuya, other

5/16, **P144-P019**
Global mapping of the lunar magnetic anomaly using Map-PACE-ESA (Electron Spectrum Analyzer) onboard Kaguya (SELENE).
Tadateru Yamamoto, Yoshifumi Saito, Kazushi Asamura, other
ard Kaguya(SELENE)

5/16, **P144-P020**
Current status of X-ray spectrometer onboard Kaguya(SELENE)
Tatsuaki Okada, Hiroaki Shiraishi, Kei Shirai, other

5/16, **P144-P021**
High energy gamma-ray distribution on the Moon observed by SELENE Gamma-Ray Spectrometer
Jiro Machida, Makoto Hareyama, Nobuyuki Hasebe, other

5/16, **P144-P022**
Possibility of Lunar global cooling and contraction after 2.8 Ga
Jun Kimura, Kei Kurita

5/16, **P144-P023**
Current Status of High definition Television system on boad KAGUYA/SELENE
Rie Honda, Junichi Yamazaki, Seiji Mitsuhashi, other

5/16, **P144-P024**
Mineralogy and isotopic age of KREEP-rich lunar meteorite NWA 4485
Tomoko Arai, Miwa Yoshitake, Takayuki Tomiyama, other

5/16, **P144-P025**

The observation of high energy reflected and accelerated ions at the lunar surface by MAP-PACE on
Yuta Terakawa, Tsugunobu Nagai, Yoshifumi Saito, other

5/16, **P144-P026**

EUV astronomy by Kaguya

Ichiro Yoshikawa, Ichiro Yoshikawa SELENE UPI Team

5/16, **P144-P027**

Theoretical study on lunar ionosphere exploration using low frequency wave reflection

Takamasa Fujimoto, Yoshitaka Goto, Yoshiya Kasahara

5/16, **P144-P028**

Development of the thermal control compartment for scientific instruments on the lunar surface

Kazunori Ogawa, Yu-ichi Iijima, Satoshi Tanaka, other

5/16, **P144-P029**

Seismological aim of broadband observation in the SELENE2 mission

Naoki Kobayashi, Nozomu Takeuchi, Taro Okamoto, other

Q145:(Quaternary) oral Function Room A

5/21, 9:00-9:15, **Q145-001**

The age of the lower Kazusa Group by the Pliocene tephra correlation in the Namihana and Katuura Formation in the Boso peninsula

Itoko Tamura, Haruo Yamazaki

5/21, 9:15-9:30, **Q145-002**

Magnetostratigraphy of the Shirakawa Pyroclastic Flow Deposits, south Northeast Japan

Takeyuki Ueki, Takehiko Suzuki, Nobuo Geshi, other

5/21, 9:30-9:45, **Q145-003**

A preliminary report on exotic hornblende tephra in Hakone region

Kazutaka Mannen, Tomohiro Kasama, Hiroshi Machida

5/21, 9:45-10:00, **Q145-004**

Chronology of fluvial terraces and development of landform in and around the Sekigahara region, central Japan

Daisuke Ishimura

5/21, 10:00-10:15, **Q145-005**

Application of static procedures for tephra correlations on geochemistry of volcanic glass shards and a few problems

Kaori Aoki

5/21, 10:15-10:30, **Q145-006**

High resolution OSL dating in the Sea of Okhotsk

Saiko Sugisaki, Sumiko Tsukamoto, Yoshifumi Nogi, other

5/21, 10:45-11:00, **Q145-007**

The surface deformations based on the ground coordinate data due to the Iwate-Miyagi Nairiku Earthquake

Hiroomi Nakazato, Takehiko Okuyama

5/21, 11:00-11:15, **Q145-008**

A mega-trench survey of huge tsunami traces in Nemuro lowland, eastern Hokkaido

Futoshi Nanayama

5/21, 11:15-11:30, **Q145-009**

A seismogenic turbidite formed by the Ansei-Tokai Earthquake in Edo Era obtained from surface core sample in the Enshu Trough

Masaaki Shirai, Toru Wakabayashi, Akiko Omura, other

5/21, 11:30-11:45, **Q145-010**

Application of a new geomagnetochronology using polarity transition features to hominid-bearing beds in Sangiran, Java, Indonesia

Masayuki Hyodo, Yuko Kamishima, Shuji Matsu'ura, other

5/21, 11:45-12:00, **Q145-011**

Paleoenvironment during the last 2000 years based on cores in Central Asia -special relation to moisture transport

and NAO -

Kunihiko Endo, Tsuyoshi Haraguchi, Takashi Chiba, other

5/21, 12:00-12:15, **Q145-012**

Acoustic profiling in Lake Balkhash , Kazakhstan

Tsuyoshi Haraguchi, Koshiro Miyata, Yuichi Yoshinaga, other

**Q145:(Quaternary)
poster Convention Hall**

5/20, **Q145-P001**

Holocene brackish water invasion caused by sea level changes in the central part of Bengal Lowland

Towhida Rashid, Md. Hussain Monsur, Shigeyuki Suzuki, other

5/20, **Q145-P002**

Facies model and paleoenvironmental analysis of sandy braided Brahmaputra-Jamuna River, Banglades

Mohammad A. H. Bhuiyan, Takashi Kumamoto, Md. Julleh Jalalur Rahman, other

5/20, **Q145-P003**

Holocene Marker Tephra in the Coastal Lowlands of Kunashiri Island, Southern Kuril Islands

Yugo Nakamura, Yuichi Nishimura, Mitsuhiro Nakagawa, other

5/20, **Q145-P004**

Sedimentation rate and relative lake-level change during last 300 ky in Lake Biwa, Japan

Tomoyuki Sato, Tohru Danhara, Tsuyoshi Haraguchi, other

5/20, **Q145-P005**

Sediment density analysis of the drilled core near Kakuda-Yahiko Fault, western part of the Niigata City, central Japan

Yoshinori MIYACHI, Toshimichi Nakanishi, Susumu Tanabe, other

5/20, **Q145-P006**

Incision rate, uplift rate and changes in channel geometry along the Shibusigawa River since the last interglacial period

Naofumi Marushima, Tatsuya Ishiyama

5/20, **Q145-P007**

Reexamination of terrace classification in eastern central part of Yamanote Upland with aids of both DEM and borehole data

Tatsuji Matsuzaki, Isamu Toyokura, Hiroshi Sudo, other

5/20, **Q145-P008**

Reconstruction of the paleoclimate at the time of formation of fluvial terraces based on phytolith analysis

Masayoshi Tajikara, Ken-ichi Yasue, Shinji Sugiyama, other

5/20, **Q145-P009**

Distribution, depositional age and sedimentation rate of shelf sediments west and north of Noto Peninsula

Ken Ikehara, Takahiko INOUE

5/20, **Q145-P010**

Ground-penetrating radar profile of the Tottori coastal dune system, Japan Sea coast of central Japan

Toru Tamura, Yoshinori Kodama, Yu Saitoh, other

5/20, **Q145-P011**

Temporal development of the volcanic fan at northern part of Rishiri Volcano, northern Hokkaido, Japan as determined by OSL dating

Reisuke Kondo, Sumiko Tsukamoto, Takeyuki Ueki, other

5/20, **Q145-P012**

Petrological Properties of Early-Middle Pleistocene Tephra in the Tokachi Plain, Hokkaido, Japan

Megumu Ukiana

5/20, **Q145-P013**

Ages of Onomatsuzawa Formation, Miyagi Prefecture - Quaternary intracaldera deposits

Tsukasa Ohba, Shintaro Hayashi

5/20, **Q145-P014**

Stratigraphy around Kansai Airport and its properties

Naoko Kitada, Keiji Takemura, Naoto Inoue, other

5/20, **Q145-P015**

Stratigraphy and chronology of large scale pyroclastic flow deposits erupted from Shiobara caldera, in Northeast Japan

Kensuke TSURUMAKI, Masashi NAGAI, Shigeo SUGIHARA

5/20, **Q145-P016**

Analysis of pumice layers from Mt. Ontake in Upper Atsuta Formation in Nobi, Central Japan

Eijiro Iwasaki, Toshihiko Sugai, Kiyohide Mizuno, other

5/20, **Q145-P017**

High accuracy radiocarbon dating of tephra layers using paleosol samples

Yosuke Miyairi, Reisuke Kondo, Hiroyuki Matsuzaki

5/20, **Q145-P018**

Identifying early Holocene tsunami deposit in Suruga Bay coast using facies and ostracode assemblages in drilling cores

Osamu Fujiwara, Toshiaki Irizuki, Yoshikazu Sampei, other

5/20, **Q145-P019**

Quaternary melting history of Antarctic ice sheet derived from glacial isostatic adjustment modelling

Jun'ichi Okuno, Hideki Miura

5/20, **Q145-P020**

Geological and geomorphological evidence for the mid-Holocene environmental changes and East Antarctic ice sheet fluctuation

Hideki Miura, Shogo Iwasaki, Jun'ichi Okuno, other

Q146: (Progress on Holocene stratigraphy)

oral Function Room B

5/2, 13:45-13:47

Introductory talk

5/21, 13:47-14:00, **Q146-001**

Latest Pleistocene to Holocene deposits in the Muroran urban area and the lower part of basin of Kitami-horobetsu River.

Takao Oka

5/21, 14:00-14:15, **Q146-002**

Shallow Subsurface Structure in the Ishikari Lowland, Hokkaido, northern Japan

Sunao Ohtsu, Gentaro Kawakami, Wataru Hirose, other

5/21, 14:15-14:30, **Q146-003**

Holocene relative sea-level changes and sedimentary environment in the Toyooka Basin, Hyogo Prefecture

Koichiro Tanigawa, Masayuki Hyodo, Hiroshi Sato, other

5/21, 14:30-14:45, **Q146-004**

A newly oriented boring system applying the Lunch Box method, as ACE liner

Kiyoyuki Shigeno, Masayuki Ishii, Futoshi Nanayama, other

5/21, 14:45-15:00, **Q146-005**

Stratigraphy of the Chuseki-so in the northern part of the Arakawa Lowland and the Menuma Lowland, Central Japan

Takeshi Ishihara, Toshihiko Sugai, Shoichi Hachinohe, other

5/21, 15:00-15:15, **Q146-006**

Sediment supply and sedimentation of the alluvium in the Tokyo lowland

Atsushi Urabe, Takako Honda, Katsumi Kimura, other

5/21, 15:30-15:45, **Q146-007**

Close relationship between sedimentary environment and physical properties of the Chuseki-so in the Tokyo and Nakagawa Lowlands

Katsumi Kimura, Junko Komatsubara, Yoshiro Ishihara, other

5/21, 15:45-16:00, **Q146-008**

Relationship between Dynamic behavior of soft clay and sedimentary environment

Takato Takemura, Masanobu Oda, Katsumi Kimura, other

5/21, 16:00-16:15, **Q146-009**

Construction of 3D-geological model of incised valley fills including their sedimentary-facies distributions

Yoshiro Ishihara, Shiori Fukuoka, Chikako Eto, other

5/21, 16:15-16:30, **Q146-010**

GIS analysis for seismic risk hazard evaluation using landform classification data and boring data

Mamoru Koarai

5/21, 16:30-17:00

Discussion

Q146: (Progress on Holocene stratigraphy)
poster Convention Hall

5/20, **Q146-P001**

Stratigraphic and sedimentologic analysis on the GS-HTB core drilled at Kawashimo, Tobetsu, Hokkaido

Gentaro Kawakami, Junko Komatsubara, Kenji Nishina, other

5/20, **Q146-P002**

Sequence stratigraphy and paleogeography of the Alluvium under the northern area of the Tokyo Lowland

Susumu Tanabe, Yoshiro Ishihara, Rei Nakashima

5/20, **Q146-P003**

Reconstruction of sedimentary environment of the latest Pleistocene-Holocene incised valley fill, Saitama City

Junko Komatsubara, Katsumi Kimura

5/20, **Q146-P004**

Estimation of AVS30 using the shear wave velocities and the geotechnical properties

Chikako Eto, Tomio Inazaki

5/20, **Q146-P005**

Fan delta deposits at the lower reaches of the Tenryu River, central Japan

Shigenobu Nagasawa, Kazuaki Hori

R219: (Rare earth and rare metal)
oral Exhibition hall 7 sub

5/16, 10:45-11:00, **R219-001**

Rare Earth Elements Resources Potential in Granite Areas of Northern Thailand

Akira Imai, Takafumi Sueoka, Kenzo Sanematsu, other

5/16, 11:00-11:15, **R219-002**

Enrichment of rare earth elements in basalt-derived laterite in southern Laos

Kenzo Sanematsu, Takeru Moriyama, Yasushi Watanabe

5/16, 11:15-11:30, **R219-003**

REE Abundance in Weathered Granitic Rocks in the Bangka Island, Indonesia

Takashi Ikuno, Akira Imai, Kenzo Sanematsu, other

5/16, 11:30-11:45, **R219-004**

Discovery of the fourth deep-sea mineral resource

Yasuhiro Kato, Koichiro Fujinaga, Hayato Oga, other

5/16, 11:45-12:00, **R219-005**

Origin of the Aki stratiform Fe-Mn deposits and their potential evaluation as rare earth resources.

Kyota Inoue, Koichiro Fujinaga, Tatsuo Nozaki, other

5/16, 12:00-12:15, **R219-006**

Distribution of rare earth element in apatite ore

Kenji Horie, Yuichi Morishita, Takeru Moriyama, other

5/16, 13:45-14:00, **R219-007**

Wakefieldite-(Nd), a new neodymium vanadate mineral in the Arase stratiform ferromanganese deposit, Kochi Prefecture

Takeru Moriyama, Ritsuro Miyawaki, Kazumi Yokoyama, other

5/16, 14:00-14:15, **R219-008**

Evidence of recent hydrothermal activity in the Amami caldera: discovery of Fe-Mn oxide crusts enriched in As and Mo

Hisayoshi Yokose, Hajime Sato, Tetsuo Kobayashi, other

5/16, 14:15-14:30, **R219-009**

Hydrothermal circulation from the geochem-data of Ni & Co in ores and igneous host rocks of Ghuzayn massive sulfide deposit, Oman.

Toshio Mizuta

5/16, 14:30-14:45, **R219-010**

Characteristics of In-rich ore deposits in the Bolivian Sn-polymetallic belt, South America

Shunso Ishihara, Hiroyasu Murakami

5/16, 14:45-15:00, **R219-011**

SIMS microanalysis of pyrite for gold and arsenic concentrations and sulfur isotope ratios

Yuichi Morishita, Nobutaka Shimada, Kazuhiko Shimada

5/16, 15:00-15:15, **R219-012**

Cathodoluminescence of sphalerite from some Japanese ores: a preliminary study

Kazuyasu Shindo, Kosei Komuro, Ken-ichiro Hayashi

**R219:(Rare earth and rare metal)
poster Convention Hall**

5/16, **R219-P001**

Potential evaluation of the fourth deep-sea mineral resource

Koichiro Fujinaga, Hayato Oga, Shunsaku Awaji, other

5/16, **R219-P002**

A rapid and precise determination of rare metals in various types of deep-sea mineral resources by ICP-MS

Shunsaku Awaji, Kentaro Nakamura, Yasuhiro Kato

5/16, **R219-P003**

Geochemistry of laterite-type nickel deposit at the Rio Tuba mine, Palawan Island, Philippines

Ken-ichiro Hayashi

5/16, **R219-P004**

Quantitative analyses of tungsten in synthetic fluid inclusions by SXRF technique

Kyoko Masukawa, Ken-ichiro Hayashi

**R219:(Rare earth and rare metal)
oral Exhibition hall 7 sub**

5/16, 10:45-11:00, **R219-001**

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R219:(Rare earth and rare metal) poster Convention Hall

5/16, **R219-P001**

Potential evaluation of the fourth deep-sea mineral resource

Koichiro Fujinaga, Hayato Oga, Shunsaku Awaji, other

5/16, **R219-P002**

A rapid and precise determination of rare metals in various types of deep-sea mineral resources by ICP-MS

Shunsaku Awaji, Kentaro Nakamura, Yasuhiro Kato

5/16, **R219-P003**

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Ken-ichiro Hayashi

5/16, **R219-P004**

Quantitative analyses of tungsten in synthetic fluid inclusions by SXRF technique

Kyoko Masukawa, Ken-ichiro Hayashi

S147:(Active faults and paleoseismology) oral IC

5/21, 13:45-14:00, **S147-001**

Fault dynamics and earthquake sources (2) -simple shear and zero-mode deformation-

Toru Ouchi

5/21, 14:00-14:15, **S147-002**

Relationship between the fault length, the recurrence interval, and the thermal gradient in Japanese inland area.

Takeshi Kudo, Masashi Kawamura, Muneyoshi Furumoto

5/21, 14:15-14:30, **S147-003**

Comparison between various stochastic models that explain the paleoseismic activity data of major active fault zones in Japan

Yutaka Hayashi, Kenji Maeda

5/21, 14:30-14:45, **S147-004**

Do warped paleoshorelines in tectonically active zones indicate coseismic crustal deformation derived from blind faulting or not ?

Takahiro Miyauchi

5/21, 14:45-15:00, **S147-005**

Paleoseismic trench investigation across the surface rupture associated with the 2008 Iwate-Miyagi Nairiku, Japan, earthquake

Shinji Toda, Tadashi Maruyama, Masayuki Yoshimi, other

5/21, 15:00-15:15, **S147-006**

Revaluation of the damage by the landslides at Kataura Village in Kanagawa Prefecture from the 1923 Kanto Earthquake

Masayuki Takemura

5/21, 15:30-15:45, **S147-007**

Four earthquakes in the ancient ages recorded in the old documents of Komatsuji temple in Katano city, Osaka prefecture

Yoshinobu Tsuji

5/21, 15:45-16:00, **S147-008**

Generation condition and mechanism of faults flexure -Example of Tachikawa fault-

Koichi Ando, Haruo Yamazaki

5/21, 16:00-16:15, **S147-009**

Activity of the Kushibiki and Kamikawa faults in the northwestern part of Kanto Plain obtained by arrayed borehole survey

Yuichi Sugiyama, Kayo Shintani, Akiko Miyawaki, other

5/21, 16:15-16:30, **S147-010**

The active fault estimation by fracture width detected by gamma-ray survey

Tatsuro Yoshimura

5/21, 16:30-16:45, **S147-011**

Submarine, across-arc normal fault system off the east coast of Ishigaki Island, Ryukyu Arc: its evolution and propagation process

Takeshi Matsumoto, Ryuichi Shinjo, Mamoru Nakamura, other

5/21, 16:45-17:00, **S147-012**

Co-seismic slip distribution and shortening structures produced by the 2008 Wenchuan earthquake

Aiming Lin, Zhikun Ren

S147:(Active faults and paleoseismology) poster Convention Hall

5/20, **S147-P001**

Nonbrittle lateral deformation of ground surface during strike-slip faulting -insights from sandbox experiments

Keiichi Ueta, Masataka Sawada

5/20, **S147-P002**

Detection of small tectonic-geomorphic features beneath vegetation cover in Japanese mountains from high-resolution LiDAR DEMs

Zhou Lin, Heitaro Kaneda, Sakae Mukoyama, other

5/20, **S147-P003**

A large trench survey of huge tsunami traces in Nemuro lowland along the Kuril subduction zone: Preliminary report

Kiyoyuki Shigeno, Masayuki Ishii, Futoshi Nanayama, other

5/20, **S147-P004**

Displacement of the 1938 Kutcharo Earthquake Fault, Hokkaido, revealed by GPR and trench survey

Sunao Ohtsu, Makoto Tamura, Gentaro Kawakami, other

5/20, **S147-P005**

Drainage system evolution associated with segment linkage within the northern Tokachi fault zone in the middle Pleistocene

Hiroaki Suzuki, Toshifumi Imaizumi, Tatsuya Ishiyama

5/20, **S147-P006**

Characteristics of earthquake fault system of the 2008 Iwate-Miyagi Nairiku Earthquake

Nobuo Doi, Tokumi Saito, Masaru Noda

5/20, **S147-P007**

On the characteristics of the surface rupture around the source region of the Iwate-Miyagi Nairiku earthquake in 2008

Toshinori Sasaki, Keiichi Ueta, Yasuhira Aoyagi, other

5/20, **S147-P008**

Mapping of surface rupture associated with the Mw 6.9 2008 Iwate-Miyagi Nairiku, Japan, earthquake, using ground-based LiDAR

Tadashi Maruyama, Shinji Toda, Masayuki Yoshimi, other

5/20, **S147-P009**

Seismic reflection profiling across the Ichinoseki-Ishikoshi Flexure in Iwate Prefecture, Northeast Japan
Yoshinori Tashiro, Toshifumi Imaizumi, Tatsuya Ishiyama, other

5/20, **S147-P010**

Active structure of Ichinoseki-Ishikoshi Flexure
Hideki Kosaka, Yoshinori Tashiro, atsushi Miwa, other

5/20, **S147-P011**

Relative sea level change in the last 500 years recorded in coastal deposit in the Sendai Plain, northeastern Japan
Masanobu Shishikura, Toru Tamura, Kazuaki Watanabe, other

5/20, **S147-P012**

Active tectonic uplift process of the Osado Mountains pressed up in Japan Sea, using paleoshoreline data and fault modeling
Kazuki Watanabe, Takahiro Miyauchi

5/20, **S147-P013**

Structural history on Torigoe faults, Cyuetu area Niigata Prefecture, central Japan
Mai Tanaka, Kenta Kobayashi

5/20, **S147-P014**

Groundwater anomalies around active faults in the source region of the 2004 Mid Niigata Prefecture Earthquake
Tatsuya Ito, Tsuyoshi Toyoshima, Naoki Watanabe, other

5/20, **S147-P015**

Paleoseismology of the Atotsugawa fault system; implication on the displacement per seismic event and slip rates for the Holocene
Ryosuke Doke, Akira Takeuchi, Muren Kan

5/20, **S147-P016**

High-resolution seismic reflection survey of near-surface deformation structure of the Kureha-yama fault using Land Streamer
Tomio Inazaki, Takao Aizawa, Shunichiro Ito, other

5/20, **S147-P017**

Offshore active faults in the northern part off Noto Peninsula revealed by high-resolution seismic profiles
Takahiko INOUE, Fumitoshi Murakami, Yukinobu Okamura, other

5/20, **S147-P018**

Possible biological index (Corallinates) to decode coseismic coastal uplift by great earthquakes occurring beneath Sagami Trough
Kanae Hachinohe, **Takahiro Miyauchi**

5/20, **S147-P019**

Paleoseismicity along the Kamanashi-yama fault group in the Itoigawa-Shizuoka Tectonic Line, central Japan
Shinji Toda, Tadashi Maruyama, Koji Okumura, other

5/20, **S147-P020**

Fault-related geomorphic history at Misayama-godo, Fujimi Town, in the central-to-southern part of the ISTL active fault zone
Nobuhiko Sugito, Hiroshi Sawa, Kaoru Taniguchi, other

5/20, **S147-P021**

Tectonic landforms and late Quaternary slip rates by LiDAR along the middle part of the ISTL active fault zone in Hakushu area
Nobuhisa Matsuta, Masayoshi Tajikara, Daisuke Hirouchi, other

5/20, **S147-P022**

Tectonic geomorphology along the southern part of the ISTL active fault zone, central Japan
Masayoshi Tajikara, Hiroshi Sawa, Nobuhiko Sugito, other

5/20, **S147-P023**

Paleoseismicity on the Makigahora, Enako, Miyagawa and Nukuidani faults in the Takayama-Oppara fault zone, central Japan
Toshikazu Yoshioka, Daisuke Hirouchi, Nobuhiko Sugito, other

5/20, **S147-P024**

Subsurface structure in and around the Tegano Fault
Toshiyuki Tanaka, Masayoshi Tajikara, Kyoza Nozaki, other

5/20, **S147-P025**

The relationship between relative sea-level rise recorded in the Holocene sequence in the Nobi Plain and coseismic subsidence

Yuichi Niwa, Toshihiko Sugai, Takashi Ogami, other

5/20, **S147-P026**

Paleoseismological Study of the Iyo Fault of the Median Tectonic Line Active Fault System in Shikoku, Southwest Japan

Michiharu Ikeda, Hideaki Goto, Hiroyuki Tsutsumi, other

5/20, **S147-P027**

Investigation of Quaternary activity in Miyakojima fault zone Okinawa Pref. southeast Japan

Tomoo Echigo, Masashi Omata, Yorihide Kohriya, other

5/20, **S147-P028**

Non-characteristic slip history on the 1942 Erbaa-Niksar earthquake segment along the North Anatolian fault system, Turkey

Hisao Kondo

5/20, **S147-P029**

Seismotectonic implications of uplifted coral reefs in the Philippines: A preliminary report

Noelynna Ramos, Hiroyuki Tsutsumi, Jeffrey Perez

S148:(Source Processes and Earthquake Physics)

oral 302

5/21, 13:45-14:00, **S148-001**

Effect of the Main Shock Slip on Aftershocks: The 2006 Kiholo Bay, Hawai`i, Earthquake Sequence

Takuji Yamada, Paul G. Okubo, Cecily J. Wolfe

5/21, 14:00-14:15, **S148-002**

Comparison of rupture processes of the 2008 and 2001 small repeating earthquakes off Kamaishi, NE Japan.

Kouhei Shimamura, Toru Matsuzawa, Tomomi Okada, other

5/21, 14:15-14:30, **S148-003**

Data Assimilation for Earthquake Cycle Simulations: Application of a spring-block model to the earthquake sequence off Kamaishi

Tomoki SASAKI, Takeshi Sagiya

5/21, 14:30-14:45, **S148-004**

Ability of 1-Hz GPS to Infer the Source Process of a Medium-Sized Earthquake: The 2008 Iwate-Miyagi Nairiku, Japan, Earthquake

Yusuke Yokota, Kazuki Koketsu, Kazuhito Hikima, other

5/21, 14:45-15:00, **S148-005**

Waveform inversion for source processes in an incomplete model (1): Importance of modeling error and derivation of its expression

Yukitoshi Fukahata, Yuji Yagi

5/21, 15:00-15:15, **S148-006**

Waveform inversion for source processes in an incomplete model (2): Seismic source analyses with green's function uncertainties

Yuji Yagi, Yukitoshi Fukahata

5/21, 15:30-15:45, **S148-007**

Changes of acoustic transmittivity of a natural fault caused by earthquake rupture

Osamu Murakami, Shingo Yoshida, Masao Nakatani, other

5/21, 15:45-16:00, **S148-008**

A water reservoir trigger for the great Sichuan earthquake?

Xinglin Lei, Shengli Ma, Xue-ze Wen

5/21, 16:00-16:15, **S148-009**

Dynamic Rupture Simulation of Reverse Fault Using BIEM with Free Surface: From Rupture Dynamics to Near-Fault Ground Motions

Sebastien Hok, Eiichi Fukuyama

5/21, 16:15-16:30, **S148-010**

The effect of bimaterial interface on branching problem of mode II rupture measured by the Coulomb failure stress change

Shintaro Tamura, Satoshi Ide

5/21, 16:30-16:45, **S148-011**

Comprehensive understanding of dynamic earthquake rupture

Teruo Yamashita, Takehito Suzuki

5/21, 16:45-17:00, **S148-012**

A basic analysis of stress and strain of elastic plate with cracks

Mitsuru Yoshida

**S148:(Source Processes and Earthquake Physics)
poster Convention Hall**

5/20, **S148-P001**

Moment tensor analysis using the algorithm of Matching pursuit

Hirotohi Matsubayashi, Takumi Matsumoto

5/20, **S148-P002**

Study on the double-planed shallow seismic zone in the NE Japan forearc region by land-based and ocean bottom seismic network

Shoko Koga, Yoshihiro Ito, Norihito Umino, other

5/20, **S148-P003**

Effect of thermal pressurization on dynamic rupture propagation under depth-dependent stress

Yumi Urata, Keiko Kuge, Yuko Kase

5/20, **S148-P004**

Source characterization of the 2007 Java intermediate-depth earthquake: Rarely large slip preceded by small moment release

Keiko Kuge, Tatsuya Kurihara

5/20, **S148-P005**

High accuracy estimation of the spatial and temporal distribution of slip for the 2005 west off Fukuoka earthquake

Mitsutaka Ohshima, Hiroshi Takenaka

5/20, **S148-P006**

Joint Inversions for the Source Process of the 2007 Noto Hanto Earthquake with Improved Velocity Structure Models

Sho Momiyama, Kazuhito Hikima, Kazuki Koketsu

5/20, **S148-P007**

Source Modeling of the Ibaraki-ken-oki Earthquake of May 8, 2008 (M7.0), Using the Empirical Green's Function Method

Masaharu Takiguchi, Kimiyuki Asano, Tomotaka Iwata

5/20, **S148-P008**

Stress field around the source area of the Miyagi-Oki earthquake by using ocean bottom seismographic data

Kensuke Suzuki, Ryota Hino, Yoshihiro Ito, other

5/20, **S148-P009**

Directivity of a moderate earthquake in Odaesan, Korea

Sun-Cheon Park

5/20, **S148-P010**

Strain changes observed with two Ishii strainmeters within only 20 m from an M2.1 fault located with AEs (2)

Taishi Katsura, Hiroshi Ogasawara, Gota Yasutake, other

5/20, **S148-P011**

Relocation of AE hypocenters before an M2.1 earthquake in a South African deep gold mine

Takayoshi Watanabe, Makoto Naoi, Yasuo Yabe, other

5/20, **S148-P012**

The detailed structure of cracks and faults in rock samples

Takaya Okuno, Hironori Kawakata, Naoki Takahashi, other

5/20, **S148-P013**

Particle analysis and energetics of fault rocks: An example from the Toyomagawa Fault, Central Japan

Taichi Nozu, Hidemi Tanaka

5/20, **S148-P014**

Hierarchical self-similar geometry of fault zones and size-dependent static stress drop: An analysis from seismic fault traces

Yuki Nakamura, Kenshiro Otsuki

5/20, **S148-P015**

Comparison of high frequency peak time and time differences from space-time distribution of high frequency energy radiation

Tatsuhiko Hara

5/20, **S148-P016**

Comparison of the fracture energy between inland and subduction-zone earthquake

Takeshi Kimura, Kazuki Koketsu, Takashi Miyatake

5/20, **S148-P017**

Coseismic and long term temperature change of hot spring water observed in San-in district

Ryohei Nishida, Jotaro Takeda, Takao Kagawa, other

5/20, **S148-P018**

Design of Earthquake Dynamic Rupture Model based on Kinematic Slip Distribution

Eiichi Fukuyama, Sebastien Hok

5/20, **S148-P019**

The difference of occurrence condition of slow slip event in occurring together at multiple asperities

Noa Mitsui, Takane Hori, Shin'ichi Miyazaki

5/20, **S148-P020**

Spontaneous earthquake nucleation on a rate- and state fault referring to the 'crack' and 'asperity'

Yuta Mitsui, Kazuro Hirahara

5/20, **S148-P021**

Validation of FEM and FDM Simulation Codes for Dynamic Earthquake Rupture

Hiroe Miyake, Yuko Kase, Shin Aoi, other

5/20, **S148-P022**

Crack diffusion equation driven by pore crash in the theory of fluid filled porous media.

Shozaburo Nagumo

5/20, **S148-P023**

Extended finite element method(X-FEM) for spontaneous rupture propagation

Kazunori Wada, Hiroyuki Goto

5/20, **S148-P024**

Static deformation from fault slip in heterogeneous crust

Shigeyasu Tone, **Takashi Miyatake**

5/20, **S148-P025**

Computation of static DCFF in a heterogeneous half space by using FDM

Shigeyasu Tone, **Takashi Miyatake**

5/20, **S148-P026**

Mathematical and numerical analyses of quasi static crack in a two-layered medium

Shiro Hirano, Teruo Yamashita

5/20, **S148-P027**

An Explanation of High Helium Concentration in Chupadera Mesa in New Mexico by Hydrogen-fusion

Hiroshi Yamamoto

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5/21, 9:00-9:15, **S149-001**

The analysis of the seismicity in the Antarctica Plate by the statistical method

Tetsuto Himeno, Masaki Kanao, Yosihiko Ogata

5/21, 9:15-9:30, **S149-002**

3D b value map of Japan

Keigo Moriya, Keiichi Morishita, **Yasushi Harada**, other

5/21, 9:30-9:45, **S149-003**

Repeating earthquake activities in and around the Japanese Islands

Toshihiro Igarashi

5/21, 9:45-10:00, **S149-004**

Characteristic

Small-earthquake Sequences near Miyakojima Island, Ryukyu Arc

Koji Tamaribuchi, Yasuyuki Yamada, Yuzo Ishigaki, other

5/21, 10:00-10:15, **S149-005**

Microearthquake seismicity and focal mechanisms of the west off Kyushu, Japan, derived from Ocean Bottom Seismometer data

Yusuke Yamashita, Kenji Uehira, Kazuhiko Goto, other

5/21, 10:15-10:30, **S149-006**

Possibility that the 2007 Chuetsu-oki Earthquake was induced by the 2007 Chuetsu Earthquake

Ikuo Cho, Ryu Ohtani, Yasuto Kuwahara

5/21, 10:45-11:00, **S149-007**

Relation Between Clustering Seismic Activity and Earth Tidal Stress in the Western Shizuoka Prefecture

Kenji Maeda, Kazuki Miyaoka

5/21, 11:00-11:15, **S149-008**

Characteristics of the past M7 earthquakes at the western Kanagawa prefecture, Japan

Takao Eguchi, Shin-ichi Noguchi

5/21, 11:15-11:30, **S149-009**

C-values of an activated seismicity due to a large earthquake

Katsunori Sugaya, Yoshihiro Hiramatsu, Muneyoshi Furumoto, other

5/21, 11:30-11:45, **S149-010**

Understanding of crustal activity based on temporal changes of spatial correlations between various geophysical measures (2)

Masashi Kawamura, Takeshi Kudo, Koshun Yamaoka

5/21, 11:45-12:00, **S149-011**

Preceding seismicity in the source area of large inland Earthquake and in its peripheral areas

Kohji Hosono

5/21, 12:00-12:15, **S149-012**

Probabilistic bases of the frequency-magnitude scaling shown by laws such as Gutenberg-Richter formula

Eiji Tokunaga, Tetsuo Takanami

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5/20, **S149-P001**

The 40-year Catalogue of Focal Mechanisms for Vrancea Seismic Zone

ILIE SANDU, Anton Zaicenco

5/20, **S149-P002**

Remarkable recurrence of M 7-class intermediate-depth earthquakes beneath the Hindu Kush

Tomoya Harada, Yoko Sakamoto, Katsuhiko Ishibashi

5/20, **S149-P003**

CMT solutions determined by using JISNET waveform data and their systematic deviations from Global CMT solutions

Tadashi Yamashina, Masaru Nakano, Hiroyuki Kumagai, other

5/20, **S149-P004**

Analysis of the 2009 Papua Indonesia Earthquakes (Mw 7.6 and 7.3)

Kimie Norimatsu, James Mori

5/20, **S149-P005**

Some Characteristic Small-earthquake Sequences beneath Ryukyu Arc

Koji Tamaribuchi, Yasuyuki Yamada, Yuzo Ishigaki, other

5/20, **S149-P006**

Earthquake clusters with similar earthquakes around the Sakishima Islands

Toshihiro Igarashi

5/20, **S149-P007**

Seismic activity in the southern part of Hyuga-nada region, southwest Japan, revealed by ocean bottom observation (2)

Kenji Uehira, Kazunari Uchida, Hiroshi Yakiwara, other

5/20, **S149-P008**

Spatial variation of stress field in the middle part of Kyushu Island from stress tensor inversion

Satoshi Matsumoto, Atsushi Saiga, Kenji Uehira, other

5/20, **S149-P009**

Seismicity of the Hokuriku Region(3) 1976-2008

Fumiaki Takeuchi, Takuo Shibutani, Kazuo Matsumura, other

5/20, **S149-P010**

Seismic activity beneath the Hakusan Volcano: Focusing on the activity on September 2008

Yoshihiro Hiramatsu, Katsunori Sugaya, Tetsuya Hirose, other

5/20, **S149-P011**

Intensive observations using long-term ocean bottom seismometers; Cases of off-Sanriku and off-Hitachi

Tomoaki Yamada, Kazuo Nakahigashi, Asako Kuwano, other

5/20, **S149-P012**

Microearthquake activity around the junction of Japan and Kuril Trench by using LOBS network

Asako Kuwano, Masanao Shinohara, Tomoaki Yamada, other

5/20, **S149-P013**

Seismic activity around the source area of the 1940 Shakotan-Hanto-oki earthquake deduced from ocean bottom seismometer data

Kazuhiro Ichijo, Yoshio Murai, Tetsuo Takanami, other

5/20, **S149-P014**

Microearthquakes beneath Sapporo Urban Area Observed by Using Borehole Seismometers

Kunikazu Yoshida, Minoru Kasahara, Tsutomu Sasatani

5/20, **S149-P015**

The studies of the seismic quiescence and relevancy of the regional seismicity

Kenji Nakamura, Toshiyasu Nagao

5/20, **S149-P016**

Correlation Dimension of Hypocentral Distributions and It's Mathematical Model

Motohiro Tsuzuki, Junji Koyama

5/20, **S149-P017**

Statistical method for detecting changes in earthquake focal mechanism distribution by triangle diagram

Shigeki Aoki

S150:(Seismometry and monitoring system)

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Automatic arrival time picking as accurate as picking by a seismologist

Shigeki Horiuchi, Yuko Horiuchi, Yoshihisa Iio, other

5/17, 9:15-9:30, **S150-002**

Development on a real-time monitoring system for coseismic deformation using GEONET data

Takuya Nishimura, Mikio Tobita, Tetsuro Imakiire

5/17, 9:30-9:45, **S150-003**

A new ocean bottom cabled seismometer system for a high resolution earthquake monitoring

Toshihiko Kanazawa, Masanao Shinohara, Shin'ichi Sakai, other

5/17, 9:45-10:00, **S150-004**

Comparison of characteristics of Velocity Seismometers using the wide frequency-band shaking table

Tsutomu Miura, Yoshihisa Iio, Koji Matsunami, other

5/17, 10:00-10:15, **S150-005**

Improvement of the penetrator seismometer for extending the frequency response and application to future planetary explorations

Hiroaki Shiraishi, Ryuhei Yamada, Isao Yamada, other

5/17, 10:15-10:30, **S150-006**

Development of a laser-interferometric broadband seismometer for observation at extreme environments

Akito Araya, Naoki Kobayashi, Hiroaki Shiraishi, other

S150:(Seismometry and monitoring system) poster Convention Hall

5/17, **S150-P001**

Formulation of FORTRAN Program Package for Seismicity Analysis

Takeo Ishibe, Hiroshi Tsuruoka

5/17, **S150-P002**

Hypocenter Determination Using 3-D Velocity Structure -Comparison with Temporal Observations-

Masaki Nakamura

5/17, **S150-P003**

Hypocenter determination method, using pre-calculated travel time by paraxial ray approximation method

Shoji Sekiguchi

5/17, **S150-P004**

Development of a standard background noise model for broadband seismic stations of KMA

Beom-Jun Cho

5/17, **S150-P005**

Broadband seismic observation by simplified installation at coral reef island

Yasushi Ishihara, Yoshiki Yuki

5/17, **S150-P006**

Processing realtime continuous seismic waveforms of multiple protocol types

Seiji Tsuboi, Tomoki Watanabe, Hiromichi Nagao, other

5/17, **S150-P007**

A suggestion of the local earthquake information network using an IT Kyoshin seismometer

Takamori Ito, Kiyoshi Takano

5/17, **S150-P008**

Cliff collapse and microwave emission around Miyakejima crater

Tadashi Takano

5/17, **S150-P009**

A test of the VSE-15D6 velocity seismometer and its application on the central part of the Ishikari plain

Kunikazu Yoshida, Haruo Horikawa, Masayuki Yoshimi, other

5/17, **S150-P010**

Feasibility of a pop-up ocean bottom seismometer with an atomic clock

Akio Katsumata, Nobuo HAMADA

5/17, **S150-P011**

R&D Status of a folded pendulum tiltmeter for borehole observations 3

Akiteru Takamori, Toshihiko Kanazawa, Masanao Shinohara, other

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5/21, 15:30-15:45, **S151-001**

Detection of seismically quiescent regions before the repeated interplate large earthquakes

Kenji Ohta, Naoki Hayashimoto, Kazuki Miyaoka, other

5/21, 15:45-16:00, **S151-002**

Natural time analysis of 1995 Kobe and 2003 Tokachi-Oki Earthquake

Yuki Tomizawa, Masashi Kamogawa, Toshiyasu Nagao, other

5/21, 16:00-16:15, **S151-003**

Two compatible physical models for seismic quiescence

Sumio Yoshikawa

5/21, 16:15-16:30, **S151-004**

New proposal on mechanism of electromagnetic anomaly

Koichi Nakagawa

5/21, 16:30-16:45, **S151-005**

Short term prediction of shallow great earthquakes by observing electric fields

Kozo Takahashi, Igor V. Matveev, Shinobu Yazaki, other

5/21, 16:45-17:00, **S151-006**

Decrease of Be-7 concentration in the atmosphere on earthquake-days

Masaki Ichihashi

S151:(Earthquake prediction) poster Convention Hall

5/20, **S151-P001**

Prediction of the earthquakes in the Wenchuan aftershock sequence

Christine Smyth

5/20, **S151-P002**

Ansei-Edo-Earthquake and the Next Tokyo-Shitamachi-Earthquake

Minoru Fujiwara

5/20, **S151-P003**

The phases of the moon for the representing earthquakes occurred in the expected epicentral area of the Tokai earthquake

Yoshiki Sue

5/20, **S151-P004**

Investigation of rumor of Yamagata EQ occurrence on July of 2008

Yoshiaki Orihara, Masashi Kamogawa, Toshiyasu Nagao, other

S152:(Strong Ground Motion and Disaster) oral IC

5/18, 9:00-9:15, **S152-001**

Transdisciplinary Study on Earthquake-related Diseases (4) Modeling of Onset of Mental Diseases

Yutaka Ohta

5/18, 9:15-9:30, **S152-002**

The SPAC+L method: Direct estimation of Love-wave phase velocities using circular-array records of horizontal-motion microtremors

Taku Tada, Ikuo Cho, Yuzo Shinozaki

5/18, 9:30-9:45, **S152-003**

Site amplification from coda waves in northeastern Honshu, Japan

Teito Takemoto, Takashi Furumura, Tatsuhiko Saito

5/18, 9:45-10:00, **S152-004**

Disaster Mitigation and Microzonation Studies in Istanbul

Oguz Ozel

5/18, 10:00-10:15, **S152-005**

Source Process and Fault Geometry of the 2003 Bam, Iran, Earthquake

Natalia Poiata, Hiroe Miyake, Kazuki Koketsu, other

5/18, 10:15-10:30, **S152-006**

A Preliminary Study on Attenuation Characteristics of PHA Recorded during the 2008 Wenchuan Earthquake, China

Hongjun Si, Ken Xiansheng Hao, Yang Xu, other

5/18, 10:45-11:00, **S152-007**

Best-fit Source Model for Simulating Strong Ground Motions from the 2007 Niigata-ken Chuetsu-oki earthquake

Kojiro Irikura, Ken Miyakoshi, Susumu Kurahashi, other

5/18, 11:00-11:15, **S152-008**

3D ground motion simulation of the 2007 Niigata-ken Chuetsu-oki earthquake (Mj6.8)

Hidenori Kawabe, Katsuhiko Kamae

5/18, 11:15-11:30, **S152-009**

Source Model of the 2008 Northern Iwate Intraslab Earthquake by the Empirical Green's Function Method

Kimiyuki Asano, Tomotaka Iwata

5/18, 11:30-11:45, **S152-010**

Reexamination of seismic intensity inversion analysis of the inland earthquakes in the northern part of Miyagi Prefecture

Katsuhisa Kanda, Masayuki Takemura

5/18, 11:45-12:00, **S152-011**

Simulation of the strong ground-motion at IWTH25 for 2008 Iwate-Miyagi Nairiku Earthquake using distinct element method

Koji Hada, yoshinori fujino, Masayuki Yamada

5/18, 12:00-12:15, **S152-012**

Seismic response of a huge movement mass at the upper reaches of Aratozawa reservoir

Wataru Morii, Takashi Saito, Koji Matsunami

5/18, 13:45-14:00, **S152-013**

The ratio PGA/PGV and strong ground motion prediction

Tetsu Masuda, Takashi Yokota, Makie Goto

5/18, 14:00-14:15, **S152-014**

Prediction of strong ground motions from huge subduction earthquakes in the period range from 1-5 seconds

Atsushi Nozu

5/18, 14:15-14:30, **S152-015**

Simulations of Strong Ground Motions Near Large-Scale Crustal Earthquakes(Part 1: Case for the 1992 Landers Earthquake)

Ryoichi Tanaka, Yoshiaki Hisada

5/18, 14:30-14:45, **S152-016**

Proposal for an estimation system immediately applicable for intense ground motions at two observed locations in railway premises

Shinji Sato, Kimitoshi Ashiya, Shunroku Yamamoto, other

5/18, 14:45-15:00, **S152-017**

Development of Japan Seismic Hazard Information Station, J-SHIS

Hiroyuki Fujiwara, Shinichi Kawai, Shin Aoi, other

5/18, 15:00-15:15, **S152-018**

Development and disclosure of an Integrated Geophysical and Geological Information Database

Masahiro Ooi, Hiroyuki Fujiwara, Katsumi Kimura, other

S152:(Strong Ground Motion and Disaster)

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5/18, **S152-P001**

Strong Ground Motions from the Teshikaga Earthquake

Sho Masuda, Tsutomu Sasatani, Takahiro Maeda

5/18, **S152-P002**

High-cut filter characteristics of ground motions from the 2007 Niigata-ken Chuetsu-oki Earthquake

Masato Tsurugi, Takao Kagawa, Kojiro Irikura

5/18, **S152-P003**

3-D effects of space-time ray concentration on the EGF simulation results: Case of the 2007 Chuetsu-oki earthquake

Anatoly Petukhin, Hidenori Kawabe, Ken Miyakoshi, other

5/18, **S152-P004**

Fundamental study on ground motion amplification due to latent bedrock slope during the 2007 Niigatoken Chuetsu-Oki earthquake

Masayuki Nagano

5/18, **S152-P005**

Mass movements triggered by the 2008 Iwate-Miyagi nairiku earthquake around the Aratosawa Dam.

Takashi Saito, Koji Matsunami

5/18, **S152-P006**

Estimation of the shallow structure around Kurikoma, Miyagi, Japan, using the microtremor array survey
Taiyo Kobayashi, Hiroyuki Goto, Tsuyoshi Ichimura, other, **Hitoshi Morikawa**,

5/18, **S152-P007**

The Slapdown Phase in the Strong Motion Record for the Iwate-Miyagi Nairiku Earthquake
Masumi Yamada, James Mori

5/18, **S152-P008**

An Estimation for Seismic Intensities of Iwate-hokubu earthquake(M6.8) on July 24, 2008
Naomi Sakajiri

5/18, **S152-P009**

Questionnaire survey of seismic intensity around instrumental seismic intensity observation sites of Iwate Prefecture
Hidekazu Yamamoto, Takayuki Yamada, Tsuyoshi Sano

5/18, **S152-P010**

Precise distribution of seismic intensities of the Iwate-Miyagi Nairiku Earthquake in 2008 by questionnaire survey
Tsuyoshi Sano, Hidekazu Yamamoto, Takayuki Hatakeyama, other

5/18, **S152-P011**

Modeling of Earthquake Damage Escalation due to Aftershocks - A Case in the 2004 Mid Niigata Pref. Earthquake Sequences -
Maki Koyama, Yutaka Ohta

5/18, **S152-P012**

The TOWN EFFECT and the 2007 Noto Peninsula, Japan, earthquake
Koji Uenishi

5/18, **S152-P013**

Estimation of subsurface structure in Anamizu, Ishikawa pref. using micro-tremor records
Ryo Shimizu, Toshiro Maeda

5/18, **S152-P014**

Near-surface structure around the K-NET Anamizu Site
Tomio Inazaki, Koichi Hayashi, Masanori Iiba, other

5/18, **S152-P015**

Robustness of microtremor H/V spectra and improvement of basin model in southern part in Osaka plains
Hirotohi Uebayashi, Hidenori Kawabe, Katsuhiro Kamae, other

5/18, **S152-P016**

Estimation of three-dimensional boundary shape of the Osaka sedimentary basin by waveform inversion
Asako Iwaki, Tomotaka Iwata

5/18, **S152-P017**

Microtremor array explorations near school at the edge of Fukuoka basin
Nobuyuki Yamada, Hiroaki Yamanaka

5/18, **S152-P018**

Determination of Subsurface Structure Using Microtremor Array observation in Hsinchu, Taiwan
Kensuke Iwahori, Tatsuya Noguchi, Hitoshi Morikawa, other

5/18, **S152-P019**

Sedimentary structure beneath southern part of Tottori plain from microtremor observations
Yuta Sugihara, Tatsuya Noguchi, Takao Kagawa

5/18, **S152-P020**

Determination of Bedrock Structure Using Gravity survey in Fukui Plain
Eiji Nakaya, Tatsuya Noguchi, Takao Kagawa, other

5/18, **S152-P021**

Questionnaire Survey of the Borehole Data in Application for Building Confirmation
Shinichi Kawai, Hiroyuki Fujiwara, Masahiro Ooi, other

5/18, **S152-P022**

Estimation of spectral amplification of ground motion based on geomorphological land classification
Shigeki Senna, Saburoh Midorikawa

5/18, **S152-P023**

Development of Estimation Tools for Scenario Earthquake Shaking Maps by using the Recipe for Strong-motion Prediction

Shigeki Senna, **Nobuaki Kudo**, Kazushige Suzuki, other

5/18, **S152-P024**

On the relationship between peak ground velocity and seismic intensity

Nobuyuki Morikawa, Hiroyuki Fujiwara

5/18, **S152-P025**

Estimating maximum seismic accelerations with micro-tremors - A basic idea and three examples -

Torao Tanaka, Makoto OKUBO, harumi aoki

5/18, **S152-P026**

Theoretical frame work of kinematic source inversion based on a mesh refinement algorithm

Hiroyuki Goto, Takahiko Uchide, Yayoi Ishii, other

5/18, **S152-P027**

Simulations of Strong Ground Motions Near Large-Scale Crustal Earthquakes (Part 2: Case for the 1999 Chi-Chi, Taiwan, Earthquake)

Yoshiaki Hisada, Ryoichi Tanaka

5/18, **S152-P028**

A Validation of Hanging-Wall Effects on Ground Motions for Crustal Earthquakes

Masaru Tsukagoshi, Kazuki Koketsu, Hiroe Miyake

5/18, **S152-P029**

Influence of preliminary tremor and later phase parts of strong motion records on 3-D Qs inversion

Ryoichi Nakamura, Tomiichi Uetake

S153:(Crustal structure)

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5/17, 10:45-11:00, **S153-001**

Topographic characteristic, aftershock distribution, crustal structure in the source region of the western Tottori earthquake

Shintaro Abe, Yasuhira Aoyagi, Ryuji Kubota

5/17, 11:00-11:15, **S153-002**

Integrated Survey on the Source Fault of the 1984 Western Nagano Prefecture Earthquake

Yasuhira Aoyagi, Shintaro Abe, Takeshi Ikawa, other

5/17, 11:15-11:30, **S153-003**

Study on Deep Structure and Earthquake Generating Properties in the Yamasaki Fault Zone Using Dense Seismic Observation Data

Kin'ya Nishigami, Takuo Shibutani, Shiro Ohmi, other

5/17, 11:30-11:45, **S153-004**

Attenuation structure of the crust of Japan revealed from the MLTWA of short period-S waves recorded by Hi-net stations

Eduard Carcole, Haruo Sato

5/17, 11:45-12:00, **S153-005**

Tomographic Imaging of Heterogeneous Structure beneath the Kii Peninsula; Role of Mantle Upwelling on Crustal Activity

Erika Hayami, Junichi Nakajima, Norihito Umino

5/17, 12:00-12:15, **S153-006**

Detailed velocity structure from the bottom of the source region of the Tokai Earthquake to the deep slow-slip regions

Aitaro Kato, Takashi Iidaka, Ryoya Ikuta, other

5/17, 13:45-14:00, **S153-007**

Inhomogeneous structure of the uppermost part of the Philippine Sea plate subducted beneath the Kii Peninsula, SW Japan

Takaya Iwasaki, Eiji Kurashimo, Takashi Iidaka, other

5/17, 14:00-14:15, **S153-008**

Configuration of the subducting PHS plate beneath off-Boso area revealed by JAMSTEC KR08-04 off-Boso survey lines

Kenji Nozaki, Shuichi Kodaira, Kaoru Takizawa, other

5/17, 14:15-14:30, **S153-009**

Configuration of the subducting Philippine Sea slab estimated from RF and refraction analyses in SW Japan
Takashi Iidaka, Toshihiro Igarashi, Takaya Iwasaki

5/17, 14:30-14:45, **S153-010**

The depth of the Moho beneath the Kyushu district, southwest Japan, as derived from receiver functions
Yuki Abe, Takahiro Ohkura, Kazuro Hirahara, other

5/17, 14:45-15:00, **S153-011**

The image below Mt. Fuji from receiver functions
Sawako Miyabayashi, Toshihiro Igarashi, Yosuke Aoki, other

5/17, 15:00-15:15, **S153-012**

Seismic velocity discontinuities inferred from multiple frequency band analyses of receiver functions
Toshihiro Igarashi, Takashi Iidaka

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5/16, **S153-P001**

Teleseismic evidence for the deep structure heterogeneities under the Japan Islands
Takahiro Yanada, Dapeng Zhao, Akira Hasegawa

5/16, **S153-P002**

Three-dimensional Body Wave Velocity Structures beneath Japan
Masaki Nakamura

5/16, **S153-P003**

Crust and uppermost mantle discontinuities beneath the Japanese Islands inferred from receiver functions
Toshihiro Igarashi, Takashi Iidaka

5/16, **S153-P004**

On the method to estimate absolute S velocities from receiver functions
Masaki Kurose, Takuo Shibutani

5/16, **S153-P005**

Comparison between the effects of seismic anisotropy and dipping layer on P-wave receiver functions
Tetsuro Kamimoto, Hitoshi Oda

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Improved procedure of receiver function calculation
Yoichiro Nakagawa, Takuo Shibutani, Hironori Kawakata, other

5/16, **S153-P007**

A parallelization method for travel time tomography
Makoto Hoshino

5/16, **S153-P008**

Crustal heterogeneity around the Yamasaki fault zone from analyses of S wave reflectors
Kousuke Yoshikawa, Kin'ya Nishigami

5/16, **S153-P009**

Classification of seismic waves form around Kurikomayama to presume the areas of scattered materials
Minoru Fnakoshi, Tooru Kobayashi, Koji Nakamura

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Seismic reflectivity in the lower crust - upper mantle beneath the Chugoku region based on xenolith data of the Oki-Dogo Island
Norihito Yamane, Kyuichi Kanagawa, Tanio Ito

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Moho depth variation in the forearc region of the northeastern Japan subduction zone estimated from converted waves
Naoki Uchida, Toru Matsuzawa, Junichi Nakajima, other

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Source location of later phases from intermediate-depth earthquakes in the Tohoku area
Akiko Hasemi, Shigeki Horiuchi

5/16, **S153-P013**

Later Phases Generated at an Intermediate-depth Discontinuity, Observed on Seismograms of Intraslab Earthquakes beneath SW Japan

Takayuki Miyoshi, Kazushige Obara

5/16, **S153-P014**

Seismic transfer function obtained by ACROSS signal with wide frequency range transmitted from Morimachi

Yasuhiro Yoshida, Akio Katsumata, Kazuhiro Iwakiri, other

5/16, **S153-P015**

Seismic explosion survey around slow events in the Tokai region

Tomotake Ueno, Tetsuya Takeda, Kazushige Obara, other

5/16, **S153-P016**

Report on the Southern and the Central Japan Alps Transect (SCAT)

Murata Kazunori SCAT Research Group

5/16, **S153-P017**

P- and S- wave velocity structure in the Itoigawa-Shizuoka Tectonic Line after 4 years of dense offline stations observations.

Yannis Panayotopoulos, Naoshi Hirata, Takaya Iwasaki, other

5/16, **S153-P018**

Seismic waveform modeling for the source area of the 2004 Mid Niigata earthquake and the Implications for seismogenic conditions

Reiko Tajima, Fumiko Tajima

5/16, **S153-P019**

Regional variation of the bottom of seismogenic layer beneath the Japan Islands

Aiyman Omuralieva, Junichi Nakajima, Tomomi Okada, other

5/16, **S153-P020**

Terrestrial heat flow distribution in the Kanto metropolitan area

Takumi Matsumoto

5/16, **S153-P021**

Seismic velocity structure at Off Ibaraki, using ocean bottom seismometers

Haruka Mizukami, Toshinori Sato, Masanao Shinohara, other

5/16, **S153-P022**

Preliminary result of deep crustal imaging off Boso region by prestack depth migration

Mikiya Yamashita, Seiichi Miura, Kenji Nozaki, other

5/16, **S153-P023**

Seismic survey in the off Ibaragi and the off Boso Peninsula region using ocean bottom seismometers, air-guns and explosives

Kazuo Nakahigashi, Ryuta Arai, Takashi Shinbo, other

5/16, **S153-P024**

Seismic velocity structure and depth variation of the plate boundary around the focal area of the off-Miyagi earthquake

Yojiro Yamamoto, Ryota Hino, Masanao Shinohara, other

5/16, **S153-P025**

Relationship between half-graben and high-velocities area at depths of 10 km in KantoArea 2

Yukio Oishi

S154:(Tsunami)

oral Function Room B

5/20, 9:00-9:15, **S154-001**

Tsunami sources of the 2009 Papua, Indonesia earthquakes

Yushiro Fujii, Kenji Satake

5/20, 9:15-9:30, **S154-002**

Approximation of tsunami transfer function by seiche spectra to the 2009 Papua tsunami

Kuniaki Abe

5/20, 9:30-9:45, **S154-003**

The Southern Sumatra Tsunami of September 12, 2007 and Transition of the Cumulative Tsunami Magnitude
Tokutaro Hatori

5/20, 9:45-10:00, **S154-004**

Tsunami source of the 2004 Sumatra-Andaman earthquake inferred from eyewitness of tsunami in northern Sumatra coast

Yoshinari Hayashi, Mamoru Nakamura, Masataka Ando, other

5/20, 10:00-10:15, **S154-005**

Tsunami Source of the 2004 off Kii Peninsula Earthquake: Tsunami Waveform Inversion based on the Dispersive Theory

Tatsuhiko Saito, Kenji Satake, Takashi Furumura

5/20, 10:15-10:30, **S154-006**

Slip distribution of the 1963 Kurile earthquake using tsunami waveforms

Kei Ioki, Yuichiro Tanioka

5/20, 10:45-11:00, **S154-007**

Comparison between tsunami height data obtained by offshore and coastal observatories

Yutaka Hayashi

5/20, 11:00-11:15, **S154-008**

Transient thermal response in ocean-bottom quartz resonator pressure measurement

Kenji Hirata, Toshitaka Baba

5/20, 11:15-11:30, **S154-009**

Tsunami generation processes by pyroclastic flows during 1883 Krakatau eruption, Indonesia

Fukashi Maeno, Fumihiko Imamura

5/20, 11:30-11:45, **S154-010**

Re-evaluation of the 1771 Meiwa tsunami source models using tsunami boulders at Ishigaki Island

Kazuhisa Goto, Kiyohiro Okada, Fumihiko Imamura

5/20, 11:45-12:00, **S154-011**

The Kanbun South Kiisuido earthquake of February 27th, 1671, and its accompanied tsunami

Yoshinobu Tsuji

5/20, 12:00-12:15, **S154-012**

The formation of the tsunami sediments under the upper bathyal environment, based on the numerical reconstruction of tsunamis

Toru Tachibana, Yoshinobu Tsuji

S154:(Tsunami) poster Convention Hall

5/19, **S154-P001**

Tsunami wave analysis of the 2008 Tokachi-oki earthquake

Toshihiro Ueno, Yuichiro Tanioka

5/19, **S154-P002**

Tsunami waveform analysis for the 2007 Niigataken-chuetsu-oki earthquake using various fault models

Aditya Gusman, **Yuichiro Tanioka**, Yuichi Namegaya

5/19, **S154-P003**

Tsunami Simulation of the 2007 Solomon Islands Tsunami Recorded in Northeastern Australia

Toshitaka Baba

5/19, **S154-P004**

Late Holocene Tsunami deposits Investigation along the Pacific coast, Sanriku to Joban coast, NE Japan

Toshifumi Imaizumi, Takahiro Miyauchi, Tatsuya Ishiyama, other

5/19, **S154-P005**

Distribution pattern of the AD 869 Jogan tsunami deposit and re-examination of the tsunami inundation area in Sendai Plain

Daisuke Sugawara, Kazuhisa Goto, Fumihiko Imamura

S155:(Slip and flow process)
oral IC

5/17, 09:00-09:13, **S155-001**

A detailed 3D seismic velocity structure around the Atotsugawa fault system
Junichi Nakajima, Aitaro Kato, Takaya Iwasaki, other

5/17, 09:13-09:26, **S155-002**

Large scale resistivity structure across the Niigata-Kobe tectonic zone, Japan
Yoshiya Usui, Makoto Uyeshima, Tsutomu Ogawa, other

5/17, 09:26-09:38, **S155-003**

Tectonic loading of inland earthquakes deduced from crustal deformation around active faults and remaining problems

Takeshi Sagiya, Yuka Asahi, Kazuhiro Ozawa, other

5/17, 09:38-09:51, **S155-004**

Modeling fault development in the Mid-Niigata region considering an ancient rift structure
Bunichiro Shibasaki, Aitaro Kato

5/17, 09:51-10:04, **S155-005**

Estimation of V_p/V_s in the source region for 2004 Niigata Chuetsu earthquake
Miyuki Takamisawa, Masaya Takeuchi, **Atsuki Kubo**

5/17, 10:04-10:17, **S155-006**

Lower crustal roots of active faults illuminated by volcanoes
Ryosuke Ando, Satoshi Okuyama

5/17, 10:17-10:30, **S155-007**

Rheology in the brittle-ductile transition zone of upper crust: pervasive brittle deformation and dissolution-precipitation creep

Toru Takeshita, Abdel-Hamid El-Fakharani, Seizo Mori

S155:(Slip and flow process)
poster Convention Hall

5/16, **S155-P001**

Process by which intraplate earthquakes are generated -Summary of the progresses in this ten years-
Yoshihisa Iio

5/16, **S155-P002**

A detection of afterslip of inland earthquake using similar earthquakes
Misaki Hayashi, Yoshihiro Hiramatsu, Iidaka Takashi Group for the aftershock observations of the 2007 Noto Hanto Earthquake

5/16, **S155-P003**

Attenuation structure beneath Atotsugawa fault - estimation of Q_p/Q_s -
Noriko Tsumura, Kenji Nozaki, Tomoyuki Mori, other

S156:(Low-frequency oscillatory phenomena)
oral IC

5/17, 15:30-15:42, **S156-001**

Locating volcano-seismic events using high-frequency amplitudes for volcano monitoring
Hiroyuki Kumagai, Takuto Maeda, Pablo Palacios, other

5/17, 15:42-15:55, **S156-002**

The bubble buku-buku phenomenon and its controlling mechanism
Mie Ichihara, Valerie Vidal

5/17, 15:55-16:08, **S156-003**

Precise hypocenter distribution of LFEs in Nankai subduction zone: Relationship to the local geometry of the subducting plate

Kazuaki Ohta, Satoshi Ide

5/17, 16:08-16:21, **S156-004**

Integrated groundwater observation network in and around Shikoku and Kii Peninsula for monitoring the episodic slow slip events

Naoji Koizumi, Makoto Takahashi, Norio Matsumoto, other

5/17, 16:21-16:34, **S156-005**

Low frequency earthquakes near western margin of the Ryukyu trench axis

Yoko Tu, Masataka Ando, Hiroyuki Kumagai, other

5/17, 16:34-16:47, **S156-006**

Numerical simulations of slow slip events and the stress build-up and nucleation process of a large earthquake

Takanori Matsuzawa, Hitoshi Hirose, Bunichiro Shibasaki, other

5/17, 16:47-17:00, **S156-007**

Buoyancy of slab as a cause of deep tremors

harumi aoki

**S156:(Low-frequency oscillatory phenomena)
poster Convention Hall**

5/17, **S156-P001**

Seismic activity related to solidified magma beneath Hachijo Island

Hiroko Hagiwara, Yoichi Sasai, Taku Urabe

5/17, **S156-P002**

Numerical simulation of source process for volcanic earthquake consisting of dike and fault

Kazuya Toribuchi, Takeshi Nishimura, Haruo Sato

5/17, **S156-P003**

Nankaido-NECESSArray and analysis of deep low-frequency tremors and very-low-frequency earthquakes beneath Kii peninsula

Akiko Takeo, Yutaka Nagaoka, Kiwamu Nishida, other

5/17, **S156-P004**

Observation of non-volcanic tremors and very low-frequency earthquakes in eastern Shikoku using Nankaido NECESSArray

Naoki Suda, Yasushi Ishihara, Atsuki Kubo, other

5/17, **S156-P005**

Relative locations between plate interface estimated from seismic survey and deep low-frequency tremor in western Shikoku

Tetsuya Takeda, Kazushige Obara, Yoshikatsu Haryu, other

5/17, **S156-P006**

MT survey and monitoring to reveal the characteristics of deep low-frequency tremor area beneath western Shikoku, southwest Japan

Futoshi Yamashita, Kazushige Obara

5/17, **S156-P007**

Seismic attenuation and thermal structures in western Shikoku and Bungo channel: Relationship to low-frequency earthquakes

Andri Nugraha, James Mori, Shiro Ohmi

5/17, **S156-P008**

Tremor asperities in the Bungo Channel region

Yoshimi Hanakawa, Naoki Suda

5/17, **S156-P009**

Clusters of deep non-volcanic tremors and friction parameter in the rate- and state-dependent friction law

Ryoko Nakata, Naoki Suda, Hiroshi Tsuruoka

5/17, **S156-P010**

Hypocenter Determination of Deep Crustal Earthquakes in Hokkaido by a Master Event Method with Cross-Correlation of waveforms

Yo Agata, Kiyoshi Yomogida, Kei Katsumata

5/17, **S156-P011**

Characteristics of the initial phase of short-term slow slip estimated by deep low-frequency tremor

Tetsuya Hirose, Yoshihiro Hiramatsu, Kazushige Obara

5/17, **S156-P012**

Strain changes before and after deep low frequency tremor activities

Satoshi Itaba, Naoji Koizumi, Makoto Takahashi, other

5/17, **S156-P013**

Deep low frequency earthquakes in Mie Pref. and Ise Bay on Nov. 2008 and crustal strain changes at AIST stations in Aichi Pref.

Yuichi Kitagawa, Satoshi Itaba, Naoji Koizumi, other

5/17, **S156-P014**

Improvement of Deep Non-volcanic Low Frequency Tremor Detection Sensitivity by Using Vertical Seismic Array for Real Time Monitor

Naoto Takeda, Kazutoshi Imanishi, Yasuto Kuwahara, other

5/17, **S156-P015**

Seismological comprehensive observation of the deep low-frequency tremor at Tokai subduction zone in February 2009

Sadaomi Suzuki, Haruhisa Nakamichi, Makoto OKUBO, other

5/17, **S156-P016**

Improvement on the estimation of seismic moment of short-term slow slip events

Hitoshi Hirose, Kazushige Obara

5/17, **S156-P017**

A simple monitoring method for evaluation of activity of deep low-frequency tremor

Kazushige Obara, Takuto Maeda

S157: (Seismic wave propagation)

oral 303

5/18, 09:00-09:15, **S157-001**

Finite Element Method on macroscopic elasticity of material composing ellipsoidal pores: It's application to the crack effect.

Akira Yoneda

5/18, 09:15-09:30, **S157-002**

Effect of 3-D heterogeneous structures on observed Receiver Functions inferred from Gaussian Beam synthetics

Kazuro Hirahara

5/18, 09:30-09:45, **S157-003**

Numerical simulation of remarkable later phases for events occurred within the subducting Philippine Sea slab

Takumi Hayashida, Fumiko Tajima, James Mori

5/18, 09:45-10:00, **S157-004**

Regional difference of Lg wave propagation in Japan derived from dense seismometer network: Southwestern and Northeastern Japan

Masahiro Kobayasjhi, Takashi Furumura, Tatsuhiko Saito, other

5/18, 10:00-10:15, **S157-005**

Characterization of heterogeneity and wave propagation in partially frozen brines

Jun Matsushima

5/18, 10:15-10:30, **S157-006**

A subsurface random inhomogeneity inferred from the spatial autocorrelation of the travel time residual in cross-well tomography

Osamu Nishizawa, Tatsuhiko Saito, Toshiyuki Yokota

5/18, 10:45-11:00, **S157-007**

Synthesis of vector-wave envelopes for a non-spherical radiation source in a 3-D random medium

Kaoru Sawazaki, Haruo Sato, Takeshi Nishimura

5/18, 11:00-11:15, **S157-008**

Vector-wave envelopes on the free surface of 2-D random elastic media: Markov approximation and finite difference simulations

Kentaro Emoto, Haruo Sato, Takeshi Nishimura

5/18, 11:15-11:30, **S157-009**

P-wave energy partition observed in Chugoku-Shikoku area

Shunsuke Takemura, Takashi Furumura, Tatsuhiko Saito

5/18, 11:30-11:45, **S157-010**

Particle motion of S-wave coda in terms of energy partitioning (3)

Hisashi Nakahara

5/18, 11:45-12:00, **S157-011**

Mode conversion and energy partitioning revealed by an active seismic experiment at Sakurajima volcano
Mare Yamamoto, Takeshi Nishimura, Masato Iguchi, other

5/18, 12:00-12:15, **S157-012**

Temporal changes in coherence and phase of elastic P wave transmitting through fracturing Westerly granite
Nana Yoshimitsu, Hironori Kawakata, Naoki Takahashi, other

5/18, 13:45-14:00, **S157-013**

Notes on the noise-correlation Green's function method

Toshiro Tanimoto

5/18, 14:00-14:15, **S157-014**

Retrieval of the Green function having coda in a scattering medium by using the cross-correlation function analysis
Haruo Sato

5/18, 14:15-14:30, **S157-015**

Seismic Interferometric Tomography for the Estimation of tectonic Structures (SITES)

Makoto OKUBO

5/18, 14:30-14:45, **S157-016**

Global surface wave tomography using seismic hum

Kiwamu Nishida, Jean-Paul Montagner, Hitoshi Kawakatsu

5/18, 14:45-15:00, **S157-017**

Constituents of the autocorrelation function in seismic interferometry in Oita Pref., Japan

Takuto Maeda, Yohei Yukutake, Kazushige Obara

5/18, 15:00-15:15, **S157-018**

Temporal variation of the decay rate of the autocorrelation function of the ambient seismic noise

Shiro Ohmi, Kazuro Hirahara

S157: (Seismic wave propagation) poster Convention Hall

5/17, **S157-P001**

Speed-up technique of a MPS elasticity analysis with different particle size

Toshifumi Sakamoto, Kazuro Hirahara

5/17, **S157-P002**

Computation of synthetic seismograms in a fluid-solid medium using a stable and optimally accurate finite-difference scheme

Hiromitsu Mizutani, Robert J. Geller

5/17, **S157-P003**

Nonstandard finite-difference scheme for three-dimensional viscoelastic waves

Arash Jafargandomi, **Hiroshi Takenaka**

5/17, **S157-P004**

SH coda wave envelopes in 2-D media with inclusions

Jun Kawahara, Kiyoshi Yomogida

5/17, **S157-P005**

Inversion of the Earth's free oscillation spectra for isotropic and anisotropic structure

Kohei Tsuji, **Hitoshi Oda**

5/17, **S157-P006**

Frequency & Depth-Dependent Attenuation of S Waves in the PHS Plate, Kyushu, Japan, based on Modified Coda Normalization method

Rizkita Parithusta, **Satoshi Matsumoto**, Hiroshi Shimizu, other

5/17, **S157-P007**

Estimation of intrinsic absorption structures by the inversion analysis of maximal amplitudes based on the Markov approximation

Tsutomu Takahashi

5/17, **S157-P008**

Estimation of S-wave scatterer in the focal area of the 2005 West Off Fukuoka Prefecture Earthquake by an earthquake cluster

Manami NAKAMOTO, Satoshi Matsumoto

5/17, **S157-P009**

Seismic spectroscopy using the transfer function obtained by ACROSS

Yoko Hasada, Mineo Kumazawa

5/17, **S157-P010**

Study of phases for the estimation of the subsurface structure under Horai using ACROSS signal from Toki

Kenji Yamazaki, Toshiki Watanabe, Yoko Hasada, other

5/17, **S157-P011**

Time variation of wave phases in the transfer function between Toki ACROSS source and Hi-net Hourai station

Toshiyuki Furukawa, **Toshiki Watanabe**, Kenji Yamazaki, other

5/17, **S157-P012**

Subsurface structure of Mt. Asama Japan and its temporal change inferred from coda wave interferometry

Yutaka Nagaoka, Kiwamu Nishida, Minoru Takeo, other

5/17, **S157-P013**

Crustal structure in and around the focal region of the 2008 Iwate-Miyagi Nairiku earthquake by the cross-correlation analysis

Ryota Takagi, Tomomi Okada, Hisashi Nakahara, other

S220:(Earthquake Predictability Research)

[Presentation in English]

oral 303

5/20, 13:45-14:00, **S220-001**

Results from Earthquake Forecast Testing in the Collaboratory for the Study of Earthquake Predictability

Danijel Schorlemmer, Jeremy Douglas Zechar, Matt Gerstenberger, other

5/20, 14:00-14:15, **S220-002**

First results of the Regional Earthquake Likelihood Models Experiment

Jeremy Douglas Zechar, Danijel Schorlemmer

5/20, 14:15-14:30, **S220-003**

Earthquake forecasting in the CSEP Italian testing region

Warner Marzocchi, Anna Maria Lombardi, Danijel Schorlemmer, other

5/20, 14:30-14:45, **S220-004**

CSEP earthquake forecast testing center for Japan: Primary scope and recent progress

Hiroshi Tsuruoka, Naoshi Hirata, Danijel Schorlemmer, other

5/20, 14:45-15:00, **S220-005**

Gambler's scores for earthquake prediction

Jianchang Zhuang

5/20, 15:00-15:15, **S220-006**

A method to evaluate the reliability of prediction

Ken'ichiro Yamashina

5/20, 15:30-15:45, **S220-007**

RTL algorithm and its application to seismicity analysis

Qinghua Huang

5/20, 15:45-16:00, **S220-008**

Space-time model for wide regional and global seismicity

Yosihiko Ogata

5/20, 16:00-16:15, **S220-009**

Statistical forecasts and tests for small interplate repeating events near the east coast of NE Japan in 2008

Masami Okada, Naoki Uchida, Kenji Maeda, other

5/20, 16:15-16:30, **S220-010**

Method for prediction of off Ibaraki M7 characteristic earthquakes based on seismicity change

Shozo Matsumura

5/20, 16:30-16:45, **S220-011**

Natural time analysis for earthquake

Masashi Kamogawa, Yuki Tomizawa, Toshiyasu Nagao, other

5/20, 16:45-17:00, **S220-012**

Detecting critical point behavior of seismicity prior to large earthquakes

Shin-ichi Noguchi

5/21, 09:00-09:15, **S220-013**

Assessing temporal variations in the Gutenberg-Richter distribution for a short-term forecast model

Christine Smyth

5/21, 09:15-09:30, **S220-014**

Zoning spatial variability of Frequency-Magnitude distribution of earthquake in Iran (Mw is greater than 4)

parisa rahimkhani

5/21, 09:30-09:45, **S220-015**

Earthquake Occurrence Probability in Inland Japan by Applying the Gutenberg-Richter Model

Fuyuki Hirose, Kenji Maeda

5/21, 09:45-10:00, **S220-016**

Initial report on the magnitude of complete reporting for Japan, using the Gutenberg-Richter frequency-magnitude law

Kazuyoshi Nanjo, Hiroshi Tsuruoka, Naoshi Hirata, other

5/21, 10:00-10:15, **S220-017**

Strain precursors of the 2008 Wenchuan, China, earthquake

Zehua QIU

5/21, 10:15-10:30, **S220-018**

GPS Derivative Ionospheric Electron Density Variations Associate with Major Seismic Events of 2006 at Taiwan

Ting-To Yu

S220:(Earthquake Predictability Research)
poster Convention Hall

[Presentation in English]

5/20, **S220-P001**

A quantitative analysis of daily change of detection capability of earthquakes

Takaki Iwata

5/20, **S220-P002**

Seismicity models of moderate earthquakes in Kanto, Japan,utilizing b-value, its temporal change and the EEPAS rate

Masajiro Imoto, David Rhoades

S221:(Metropolitan Earthquakes)
oral 302

5/19, 09:00-09:15, **S221-001**

Special Project for Earthquake Disaster Mitigation in Tokyo Metropolitan Area

Naoshi Hirata

5/19, 09:15-09:30, **S221-002**

Seismic velocity structure beneath the Kanto region derived from NIED KT-net and Hi-net data with seismic tomographic method

Makoto MATSUBARA

5/19, 09:30-09:45, **S221-003**

Small repeating earthquake activity and plate dynamics in Tokyo

Hisanori Kimura

5/19, 09:45-10:00, **S221-004**

MeSO-net for Detection of Mega-thrust and Intra-slab Earthquakes beneath Tokyo Metropolitan Area, JAPAN (2)

Keiji Kasahara, Naoshi Hirata, Shin'ichi Sakai, other

5/19, 10:00-10:15, **S221-005**

Development of Metropolitan Seismic Observation network (MeSO-net) system

Yuichi Morita, Keiji Kasahara, Shin'ichi Sakai, other

5/19, 10:15-10:30, **S221-006**

Development of education contents for schools using observation data provided from MeSO-net project
Akihiko Ito, Keiji Kasahara, Hiroshi Tsuruoka, other

5/19, 10:45-11:00, **S221-007**

Seismicity and waveform through the Philippine Sea Plate under the Metropolitan area observed by MeSO-net
Shin'ichi Sakai, Keiji Kasahara, Shunji Sasaki, other

5/19, 11:00-11:15, **S221-008**

Seismic basement structure beneath the Metropolitan Tokyo area: Seismic interferometry for the Tsukuba-Yokohama line (MeSO-net)

Kazuo Yoshimoto, Naoshi Hirata, Keiji Kasahara, other

5/19, 11:15-11:30, **S221-009**

Attenuation structure of the Kanto region derived with MeSO-net data

Shutaro Sekine, Kazushige Obara, Shin'ichi Sakai, other

5/19, 11:30-11:45, **S221-010**

Lithospheric structure and tectonics of Tokyo metropolitan area

Hiroshi Sato, Susumu Abe, Eiji Kurashimo, other

5/19, 11:45-12:00, **S221-011**

Multimode prestack migration of scattered teleseismic waves and local earthquake sequences for the imaging of crustal structure

Susumu Abe, Hiroshi Sato, Naoshi Hirata, other

5/19, 12:00-12:15, **S221-012**

The effect of the collision of the Izu-Bonin arc on long-term deformation in the Kanto region, Japan

Akinori Hashima, Toshinori Sato, Tanio Ito

5/19, 13:45-14:00, **S221-013**

Pre-Genroku Kanto Tsunami Deposits found in Koajiro Bay, Miura Peninsula, Japan

Kunihiko Shimazaki, Takeo Ishibe, Kenji Satake, other

5/19, 14:00-14:15, **S221-014**

Concealed Faults Inferred in the Central Part of Yamanote Upland in Tokyo

Isamu Toyokura, Sumio Aoto, Akio Kawada, other

5/19, 14:15-14:30, **S221-015**

Long-Period Ground Motion Hazard Maps in 2009: Hypothetical Tokai Earthquake, Tonankai Earthquake, Miyagi-oki Earthquake

Kazuki Koketsu, Hiroe Miyake, Kazuhito Hikima, other

5/19, 14:30-14:45, **S221-016**

Excitation and propagation process of long-period pulse motion in the Kanto basin

Toshihiko Hayakawa, Takashi Furumura

5/19, 14:45-15:00, **S221-017**

Characterization of Heterogeneous Source Model of Intraslab Earthquakes for Strong Ground Motion Prediction (2)

Tomotaka Iwata, Kimiyuki Asano

5/19, 15:00-15:15, **S221-018**

Soil/Bedrock Characterization, NEHRP Site Classes and Engineering Parameters Calculations in the Kanto Region, Central Japan

Mohammed Farag, Naoshi Hirata

S221:(Metropolitan Earthquakes) poster Convention Hall

5/18, **S221-P001**

Development of Instrument for Metropolitan Seismic Observation Network (MeSO-net) - 2nd: Fieldbus system

Minemori Sato, Takuya Kato, Yuichi Morita, other

5/18, **S221-P002**

ACT (Autonomous Cooperative data Transfer) Protocol, a new technology of seismic observation developed for and applied to MeSO-net

Takuya Kato, Hiromichi Kagami, Yuichi Morita, other

5/18, **S221-P003**

Azimuth estimation of the MeSO-net borehole seismometers based on the orbit of P wave first motion.
Shunji Sasaki, Keiji Kasahara, Shin'ichi Sakai, other

5/18, **S221-P004**

Estimation on the azimuth of the MeSO-net borehole seismometers based on the long-period seismic motion
Katsuhiko Shiomi, Shunji Sasaki, Shin'ichi Sakai, other

5/18, **S221-P005**

Imaging of Heterogeneous Structure beneath the Metropolitan Tokyo Area (3)
Shigeki Nakagawa, Shin'ichi Sakai, Hiroko Hagiwara, other

5/18, **S221-P006**

Spatial features of hypocenters and focal mechanisms under the Metropolitan area determined by the MeSO-net
Aitaro Kato, Shin'ichi Sakai, Keiji Kasahara, other

5/18, **S221-P007**

The detailed spatial distribution of stress field in and around the Izu-collision zone
Yohei Yukutake, Toshikazu Tanada, Tetsuya Takeda

5/18, **S221-P008**

Web contents for schools in MeSO-net; Metropolitan Seismic Observation network
Hiroshi Tsuruoka, Shin'ichi Sakai, Shigeki Nakagawa, other

5/18, **S221-P009**

Contribution to the local disaster prevention using Meso-net data
Toshikazu Tanada, Hidekazu Sugihara, Ryou Honda, other

5/18, **S221-P010**

How much is recent seismicity affected by changes of the CFF of previous large earthquakes ?
Takeo Ishibe, Kunihiko Shimazaki

5/18, **S221-P011**

Characteristics of small repeating earthquakes associated with the 2007 Boso slow slip event
Hisanori Kimura, Tetsuya Takeda, Kazushige Obara, other

5/18, **S221-P012**

Recent 1 m.y. crustal movements off the Tokyo Bay-side coast of the southern part of the Boso Peninsula.
Hiroshi Furuya, Akinori Hashima, Noriko Tsumura, other

5/18, **S221-P013**

Improvement in image of the Philippine Sea slab beneath the northern Izu-Tanzawa Collision Zone by fan-shooting reflection method
Shinsuke Kikuchi, Hiroshi Sato, Takaya Iwasaki, other

5/18, **S221-P014**

Estimation of fault model for Ansei-Edo earthquake using seismic intensity data
Kazuhito Hikima, Kazuki Koketsu

5/18, **S221-P015**

Microtremor Observation for Improvement of Strong Ground Motion Evaluation in Kanto Region
Shigeki Senna, Nobuyuki Morikawa, Shinichi Kawai, other

5/18, **S221-P016**

Estimation of shallow Vs structure for Kanto basin using site amplification from spectral inversion of earthquake motion records
Hiroaki Yamanaka, Michihiro Ohori, Saburoh Midorikawa

S222:(Strong-motion observation) oral IC

5/18, 15:30-15:33

Introductory talk

5/18, 15:33-15:48, **S222-001**

Review on the strong motion observation in Japan since 1990 and prospects for future developments
Kazuyoshi Kudo

5/18, 15:48-16:00, **S222-002**

Study on the maximum amplitude level of strong ground motion observed at seafloor

Michihiro Ohori, Takeshi Nakamura, Yoshiyuki Kaneda

5/18, 16:00-16:12, **S222-003**

The Present Situation and Future Visions of Strong Motion Observation System by CEORKA

Takashi Akazawa, masanori Horike, Sumio Sawada, other

5/18, 16:12-16:24, **S222-004**

Discussion on the Integrated Earthquake Early Warning using Multiple On-site Indices: for the IT Strong Motion Seismometer

Kiyoshi Takano, Satoshi Toriumi

5/18, 16:24-16:36, **S222-005**

Application of Real-time Strong-motion Monitoring System to disaster mitigation for High-Rise Building

Tomohiro Kubo, Yoshiaki Hisada, Masahiro Murakami, other

5/18, 16:36-16:48, **S222-006**

3-D Attenuation structure, source parameters and site amplification by simultaneous inversion and predicting strong ground motion

Ryoichi Nakamura

5/18, 16:48-17:00, **S222-007**

An empirical estimation of long-period earthquake ground motion (2)- Reproducibility using the predictive model -

Yutaka Yuzawa, Kazuyoshi Kudo

S222:(Strong-motion observation) poster Convention Hall

5/18, **S222-P001**

Earthquake Response Analysis of Buildings by the IT Strong Motion Seismometer System: for the Structural Health Monitoring

Kiyoshi Takano, Yasuhisa Ikeda

5/18, **S222-P002**

Evaluation of Seismic Capacity of Existing Buildings with IT Kyoshin seismometer

Yo Hibino, Takamori Ito, Koichi Kusunoki

5/18, **S222-P003**

Development of Residual Seismic Capacity Evaluation System with IT Kyoshin seismometer

Koichi Kusunoki, Takamori Ito, Yo Hibino

5/18, **S222-P004**

Rock-outcrop Strong-motion (Kyoshin) observation network system (RK-net): Its development and application

Yoshiaki Shiba, Sadanori Higashi, Hiroaki Sato, other

5/18, **S222-P005**

Initial rupture process of the 2000 Tottori-ken Seibu earthquake

Kosuke Ono, Yosuke Yamamoto, Mitsutaka Ohshima, other

5/18, **S222-P006**

An empirical estimation of long-period earthquake ground motion (1) -Standard attenuation relation and assessment of shakeability-

Yutaka Yuzawa, Kazuyoshi Kudo

5/18, **S222-P007**

Characteristics of long-period ground motion in Tokyo Bay area evaluated from deep earthquake data

Tomiichi Uetake

5/18, **S222-P008**

Receiver function analysis of records from dense strong motion seismometer array: In the case of Sizuoka Prefecture

Haruo Horikawa

T158:(Tectonics) no oral

T158:(Tectonics) poster Convention Hall

5/16, **T158-P001**

Seismic anisotropy indicators in Pan-African orogenic belt: Shear wave splitting and receiver function analysis
Yusuke Usui, Tomofumi Inoue, Akira Yamada, other

5/16, **T158-P002**

Is the Moho in southern Tibet a Phase Change Boundary or a Material Boundary? Evidence from Receiver Function Observations
Ge Jin

5/16, **T158-P003**

Structural heterogeneities beneath Taiwan
zhi wang, Yoshio Fukao

5/16, **T158-P004**

Modeling the relations of the Philippine Sea plate-slab segmentation-steepening and the space-time changes of volcanism in Kyushu
Hiroshi Shigeno

5/16, **T158-P005**

Paleostress transition estimated by microcracks in the Neogene Granitoids in the South Fossa Magna region
Takashi Harada, Hideo Takagi

T223: (Subduction zone and serpentinite) **oral 301B**

5/18, 15:30-15:45, ***T223-001**

Serpentinized mantle and formation of plate boundaries
Tetsuzo Seno

5/18, 15:45-16:00, ***T223-002**

Importance of serpentine as a lubricant in subduction dynamics
Hikaru Iwamori

5/18, 16:00-16:15, ***T223-003**

Review of the high-pressure stability of serpentine
Tetsuya Komabayashi

5/18, 16:15-16:30, ***T223-004**

Serpentinized wedge mantle derived from seismic tomography
Makoto MATSUBARA, Kazushige Obara

5/18, 16:30-16:45, **T223-005**

Seismological mapping of serpentinites in forearc mantle
Tohru Watanabe

5/18, 16:45-17:00, **T223-006**

Seismic detection of serpentine and water mass transfer in subduction zone
Bruno Reynard

5/19, 09:15-09:30, **T223-007**

Serpentinized peridotite revealed by Seismic Tomography within forearc mantle wedge regions
Shin'ichiro Kamiya, Youji Kobayashi

5/19, 09:30-09:45, **T223-008**

Serpentinized mantle in the Philippine Sea slab beneath Kanto, Japan: Ongoing deformation and fracture along its western boundary
Junichi Nakajima, Akira Hasegawa

5/19, 09:45-10:00, **T223-009**

Vp/Vs structure of the subducting Pacific plate near the Japan Trench by wide-angle seismic experiments
Ryosuke Azuma, Ryota Hino, Yoshihiro Ito, other

5/19, 10:00-10:15, ***T223-010**

Frictional properties of serpentinites: Implications for earthquake faulting
Takehiro Hirose, Kazuo Mizoguchi, Miki Takahashi, other

5/19, 10:15-10:30, **T223-011**

Frictional properties of serpentinites in low slip velocity regime: review and recent results from laboratory experiments
Miki Takahashi, Kazuo Mizoguchi, Shin-ichi Uehara

5/19, 10:45-11:00, **T223-012**

Brittle-ductile transition of serpentinites

Ichiko Shimizu, Yuta Watanabe, Katsuyoshi Michibayashi, other

5/19, 11:00-11:15, **T223-013**

Plasticity of antigorite serpentinite

Jun-ichi Ando, Yukiko Tarada, Hiroaki Ohfuji, other

5/19, 11:15-11:30, **T223-014**

Is the downdip limit of the seismogenic zone governed by the presence of low-temperature serpentine minerals?

Ken-ichi Hirauchi, Ikuo Katayama

5/19, 11:30-11:45, **T223-015** S

serpentinite body in the Ohmachi Seamount, Izu-Bonin arc.

Hayato Ueda, Ken-ichi Hirauchi, Kiyoaki Niida, other

5/19, 11:45-12:00, **T223-016**

Is the strong seismic anisotropy at subduction zones caused by serpentine?

Ikuo Katayama, Ken-ichi Hirauchi, Katsuyoshi Michibayashi, other

5/19, 12:00-12:15, **T223-017**

Wedge mantle anisotropy and geometry of serpentine sealed cracks

mitsuhiro toriumi

T223: (Subduction zone and serpentinites)

***poster Convention Hall**

5/18, **T223-P001**

Philippine Sea Plate and Serpentinized Mantle Wedge beneath Kii Peninsula 2

Yuta Kitawaki, **Takuo Shibutani**, Kazuhiro Nishimura, other

5/18, **T223-P002**

Compressional and Shear Wave Velocities of an Antigorite Rock at 1 GPa up to 550C

Hideaki Yano, **Tohru Watanabe**, Akira Yoneda

5/18, **T223-P003**

Thermal expansion of antigorite

Tohru Watanabe, Satoru Urakawa, Yosuke Nakano, other

5/18, **T223-P004**

Infrared spectroscopic study of antigorite under high pressure and temperature

Naoki Noguchi, Taro Moriwaki, Yuka Ikemoto

5/18, **T223-P005**

In-situ observation of dehydration reaction of $\text{Ca}_2\text{Al}_3\text{Si}_3\text{O}_{12}(\text{OH})$ zoisite under atmospheric pressure

Ken'iti Kuroiwa, Tatsuhiko Kawamoto

5/18, **T223-P006**

Shear deformation experiments of serpentines at mantle wedge conditions

Ikuo Katayama, Ken-ichi Hirauchi, Jun-ichi Ando

5/18, **T223-P007**

Microstructural development of Machinoyama peridotites in the Yakuno ophiolite

Makoto Suzuki, Katsuyoshi Michibayashi

5/18, **T223-P008**

Structural analyses of serpentinized peridotites derived from serpentinite seamounts in the Mariana arc

Ayano Fujii, Katsuyoshi Michibayashi, Teruaki Ishii

5/18, **T223-P009**

Large ultramafic body regionally serpentinized in the forearc mantle; an example from the Ust'-Belaya ophiolite, Far East Russia

Sumiaki Machi, Akira Ishiwatari, Yasutaka Hayasaka, other

5/18, **T223-P010**

Textural analysis of serpentinite collected from the Ohmachi Seamount, Izu-Bonin arc: Preliminary results of YK08-05 cruise

Ken-ichi Hirauchi, Hayato Ueda, Tadashi Usuki, other

T224: (Stress inversion)
oral 301B

5/18, 13:45-14:00, **T224-001**

Improved resolution of the multiple inverse method by eliminating erroneous solutions generated by the borehole logging

Makoto Otsubo, Yasuhiro Yamada, Atsushi Yamaji

5/18, 14:00-14:15, **T224-002**

Reconstruction of stress fields before earthquake using aftershock focal mechanisms together with the mainshock fault model

Kazutoshi Imanishi, Yasuto Kuwahara

5/18, 14:15-14:30, **T224-003**

Stress tensor inversion in the Atotsugawa fault area, Central Honshu, Japan

Kei Katsumata, Masahiro Kosuga, Hiroshi Katao

5/18, 14:30-14:45, **T224-004**

Stress field in the source area of the 2004 Mid-Niigata Prefecture (Niigata-Chuetsu) earthquake

Masahiro Kosuga

5/18, 14:45-15:00, **T224-005**

Stress field determined from moment tensor solutions of shallow VLF earthquakes within the Nankai Trough accretionary prism

Yoshihiro Ito, Youichi Asano, Kazushige Obara

5/18, 15:00-15:15, **T224-006**

Stress field from the bottom of the source region of the Tokai Earthquake to the deep slow-slip regions

Aitaro Kato, Takashi Iidaka, Ryoya Ikuta, other

T224: (Stress inversion)
poster Convention Hall

5/17, **T224-P001**

The multiple inverse method software including clustering functions

Atsushi Yamaji, Makoto Otsubo, Katsushi Sato

5/17, **T224-P002**

Improved resolution of the multiple inverse method by the regularity/singularity test of the subsets from the fault-slip data

Makoto Otsubo, Atsushi Yamaji, Yasuhiro Yamada

5/17, ***T224-P003**

Determination of optimal stress tensors without exhaustive grid search and fast multiple inversion

Katsushi Sato

5/17, **T224-P004**

Focal mechanisms and regional stress field around the Biwako-Seigan fault system

Hirooki Fujino, **Hiroshi Katao**

5/17, ***T224-P005**

Characteristics of stress fields around the Itoigawa-Shizuoka Tectonic Line active fault system by temporary seismic observations

Kazutoshi Imanishi, Yasuto Kuwahara, Ikuo Cho, other

T225: (Multi-segmented great earthquakes)
oral IC

5/21, 09:00-09:15, **T225-001**

Real time monitoring system for mega-thrust earthquake seismogenic zone -Development of DONE-

Yoshiyuki Kaneda, Takane Hori, Katsuyoshi Kawaguchi, other

5/21, 09:15-09:30, ***T225-002**

New research project for the next Nankai trough mega-thrust earthquakes, southwest Japan -Earthquake cycle simulation- (1)

Kazuro Hirahara

5/21, 09:30-09:45, ***T225-003**

Spatio-temporal variation in crustal deformation associated with the earthquake cycle at the Nankai Trough
Takeshi Sagiya

5/21, 09:45-10:00, ***T225-004**

Accurate evaluation of ground motion and tsunami due to the synchronization occurrence of the Nankai-Trough earthquake

Takashi Furumura, Kentaro Imai, Tatsuhiko Saito

5/21, 10:00-10:15, **T225-005**

Large-scale high-resolution seismic studies in the Nankai seismogenic zone

Shuichi Kodaira, Ayako Nakanishi, Koichiro Obana, other

5/21, 10:15-10:30, **T225-006**

Spatially varying seismicity distribution in the Tonankai-Nankai regions revealed by repeating long-term ocean bottom observations

Kimihiro Mochizuki, Kazuo Nakahigashi, Asako Kuwano, other

5/21, 10:45-11:00, **T225-007**

The cause of long time tsunami on south coast of Shikoku due to Nankai trough earthquake

Kentaro Imai, Kenji Satake, Takashi Furumura

5/21, 11:00-11:15, **T225-008**

Great interplate earthquakes along the central Kurile subduction zone

Yuichiro Tanioka, Kei Ioki

5/21, 11:15-11:30, **T225-009**

Geomorphic evidence for large subduction zone earthquakes along the Manila and Philippine trenches

Hiroyuki Tsutsumi, Noelynna Ramos, Jeffrey Perez

5/21, 11:30-11:45, **T225-010**

Postseismic deformations following the Sumatra-Andaman earthquake in SE Asia during three and half years

Manabu Hashimoto, Yo Fukushima, Takeshi Katagi, other

5/21, 11:45-12:00, **T225-011**

Principal Component Analyses of Seismic Activity in the Plate Boundary Zone of Northeastern Japan Arc.

mitsuhiro toriumi

5/21, 12:00-12:15, **T225-012**

Gutenberg-Richter law in sliding friction of a sticky gel

Tetsuo Yamaguchi, Masatoshi Morishita, Masao Doi, other

T225: (Multi-segmented great earthquakes) poster Convention Hall

5/20, **T225-P001**

Investigation of Asperity and Rupture Nucleation for Earthquake Scenarios along the Itoigawa-Shizuoka Tectonic Line

Motoko Ishise, Hiroe Miyake, Kazuki Koketsu, other

5/20, **T225-P002**

Lateral structural variation within the overlying plate and its correlation to the Tonankai earthquake

Gou Fujie, Ayako Nakanishi, Jin-Oh Park, other

5/20, **T225-P003**

Deep crustal structure across source region of the Tonankai earthquake southeast off Shima Peninsula

Ayako Nakanishi, Gou Fujie, Koichiro Obana, other

5/20, **T225-P004**

Two-types seismic events recorded in Lake Hamana, Shizuoka Prefecture, Japan

Makoto Okamura, Hiromi Matsuoka, Hokuto Furuno

5/20, **T225-P005**

Fault models of the 1854 and 1707 great earthquakes in the Tokai area, Japan, based on historic, geologic, and geodetic data

Hiroyuki Kumagai, Osamu Fujiwara, Kenji Satake, other

5/20, **T225-P006**

Estimating amount of uplift during the AD1707 Hiei earthquake from historical and geological evidences in eastern Enshu-nada coast

Osamu Fujiwara, Eisuke Ono, Toshifumi Yata, other

5/20, **T225-P007**

Modeling of Nankai great earthquakes with scale-dependent frictional property

Takane Hori, Mamoru Hyodo, Shin'ichi Miyazaki, other

5/20, **T225-P008**

Significance of ocean bottom pressure measurement for detecting interplate slow slip events in the Miyagi-Oki region

Shiori Ii, Takeshi Iinuma, Daisuke Inazu, other

5/20, **T225-P009**

On long-term drift of pressure sensors used for vertical seafloor crustal movement

Hiromi Fujimoto, Tadahiro Sato, Shiori Ii, other

5/20, **T225-P010**

Numerical study of afterslip following the 2003 Tokachi-oki earthquake

Shin'ichi Miyazaki, Takane Hori, Noa Mitsui

5/20, **T225-P011**

Source mechanisms of the 2009 seismic sequence in the northwest of New Guinea Island, Indonesia

Masaru Nakano, Hiroyuki Kumagai, Tadashi Yamashina, other

5/20, **T225-P012**

Tidal triggering of earthquakes preceding the Sumatra megathrust earthquakes

Sachiko Tanaka

5/20, ***T225-P013**

Geological evidence of paleotsunami in southern Thailand

Yuki Sawai, Kruawun Jankaew, Montri Choowong, other

T226: (Crustal deformation in convergence zones)

oral 201A

5/16, 10:45-11:00, **T226-001**

Foreslip, coseismic slip and afterslip accompanied with 2008 Off-Tokachi earthquake

Makoto MATSUBARA, Yuji Yagi

5/16, 11:00-11:15, **T226-002**

Interaction between Normal Faulting Earthquakes and Large Inter-plate Earthquakes in Subduction Zones

Takanori Wada, **Yuji Yagi**

5/16, 11:15-11:30, **T226-003**

The mechanics of splay faulting

Christopher H. Scholz, **Ryosuke Ando**, Bruce E. Shaw

5/16, 11:30-11:45, **T226-004**

Present day Evidences of Extensional Tectonics in SW Turkey Resulting from the Subduction Along the Hellenic and Cyprus Arcs

Ali Pinar

5/16, 11:45-12:00, **T226-005**

Crustal velocity field and estimation of deformation pattern in and around Izu Peninsula

Kumiko Ishikawa, Takao Tabei

5/16, 12:00-12:15, **T226-006**

Geodetic constraints for back-arc spreading across the Mariana Trough based on GPS observations

Takao Tabei, Tsuyoshi Watanabe, Takeshi Matsushima, other

5/16, 13:45-14:00, **T226-007**

Vertical-axis block rotation by reactivation of pre-existing faults in the Koshikijima Islands, the northern Ryukyu Arc

Satoshi Tonai, Yusuke Sugauma, Juichiro Ashi

5/16, 14:00-14:15, **T226-008**

GPS Data Inversion to Estimate 3-D Elastic/Inelastic Strain Fields in Island-Arc Crust: The Niigata-Kobe Transformation Zone

Akemi Noda, Mitsuhiro Matsu'ura

5/16, 14:15-14:30, **T226-009**

Elastic Deformation due to Interplate Coupling and Internal Inelastic Deformation in the Hokkaido-Tohoku Region, Japan

Chihiro Hashimoto, akemi noda, Takeshi Sagiya, other

5/16, 14:30-14:45, **T226-010**

Insights into earthquake generation and topographic evolution in and around the Kurikoma geothermal area

Youichiro Takada, Masato Furuya

5/16, 14:45-15:00, **T226-011**

Thin-skinned tectonic evolution in the back-arc region of Northeast Japan

Shinsuke Okada, Yasutaka Ikeda

5/16, 15:00-15:15, **T226-012**

Cooling and denudation history of the Kiso Range, central Japan, based on thermochronometric methods

Shigeru Sueoka, Hiroyuki Tsutsumi, Takahiro Tagami, other

5/16, 15:30-15:46, **T226-013**

Seismic reflection profiling across the Itoigawa-Shizuoka Tectonic Line: Overall results from a MEXT project in the last 4 years

Yasutaka Ikeda, Takaya Iwasaki, Ken-ichi Kano, other

5/16, 15:46-16:02, **T226-014**

Seismic expeditions of the deep crustal structures in Chubu, Japan, and new research scope of the crustal movements

Tanio Ito

5/16, 16:02-16:20, **T226-015**

Why giant earthquakes occur at subduction zones with well-developed accretionary prism?

Hide Sakaguchi, Takane Hori

5/16, 16:20-16:36, **T226-016**

Effect on Plate Motions caused by Meteorite Collision at K-T boundary

Nobuaki Niitsuma

5/16, 16:36-17:00, ***T226-017**

Precise determination of the past (3-15Ma) motion of the Philippine Sea Plate on the basis of submarine topography

Masaki Takahashi

T226: (Crustal deformation in convergence zones)

poster Convention Hall

5/16, **T226-P001**

Inversion analysis of slip distribution of the 2008 Iwate-Miyagi Nairiku earthquake: Possibility of a conjugate fault slip

Yukitoshi Fukahata, Yo Fukushima

5/16, **T226-P002**

Interplate coupling and slow slip events in the North Island, New Zealand

Hirokazu Okazaki, Takeshi Sagiya, Hironori Kawakata, other

5/16, **T226-P003**

Present-day movement of the forearc sliver along the southern Kuril arc

Ayaka Ono, **Tamao Sato**, Shinya Hiratsuka

5/16, **T226-P004**

Holocene uplifted coral reef in Lanyu and Lutaos Islands, off the southeast of Taiwan

Shihori Inoue, Hajime Kayanne, Nobuhisa Matsuta, other

5/16, **T226-P005**

Anomalous uplift in the inland area of the Kinki district

Kazuhiro Ozawa, Takeshi Sagiya

5/16, **T226-P006**

Distribution and evolution of thin-skinned and thick-skinned domains in the back-arc region of Northeast Japan

Shinsuke Okada, Yasutaka Ikeda

5/16, **T226-P007**

Quaternary crustal movement and multi-segment earthquakes caused by oblique subduction of undulated Philippine Sea Plate

Yukinobu Okamura, Masanobu Shishikura, Yuichi Namegaya

5/16, **T226-P008**

Friction increase along plate boundary fault and structure features in accretionary wedge off Muroto in numerical simulations

Ayumu Miyakawa, Takeshi Tsuji, Yasuhiro Yamada, other

5/16, **T226-P009**

Decollement formation mechanism depending on the evolution conditions of accretionary prism

Takane Hori, Hide Sakaguchi

5/16, **T226-P010**

Numerical simulations of temperature distributions associated with subduction of the Philippine Sea plate in southwest Japan

Yoichiro Suminokura, Shoichi Yoshioka, Takumi Matsumoto, other

V159: (Active volcanism)

oral Function Room A

5/16, 09:00-09:15, **V159-001**

Outlines of volcanic activity of Anatahan, Northern Marianas, and the observation researches during 2008-2009

Setsuya Nakada, Yuichi Morita, Takeshi Matsushima, other

5/16, 09:15-09:30, **V159-002**

Geodetic Observations at Anatahan Volcano, Northern Mariana Islands

Takeshi Matsushima, Takao Tabei, Tsuyoshi Watanabe, other

5/16, 09:30-09:45, **V159-003**

Seismic Observation in Anatahan Island, Northern Mariana Islands

Atsushi Watanabe, Yuichi Morita, Takeshi Matsushima, other

5/16, 09:45-10:00, **V159-004**

Seismic Activity and volcanic tremor observed at Anatahan volcano, in Northern Marian

Yuichi Morita, Atsushi Watanabe, Setsuya Nakada, other

5/16, 10:00-10:15, **V159-005**

Hypocenter distribution and its time variation of volcanic earthquakes associated with the 2008 Shinmoe-dake eruption

Jun Oikawa, Hiroshi Tsuji, Atsushi Watanabe, other

5/16, 10:15-10:30, **V159-006**

Case study of the precursors of the volcanic eruption in Japan.

Shigeru Suto

5/16, 10:45-11:00, **V159-007**

Evaluation of Holocene eruptive activity of Kuril Islands inferred from tephrostratigraphy

Akira Baba, **Mitsuhiro Nakagawa**, Yoshihiro Ishizuka, other

5/16, 11:00-11:15, **V159-008**

A scientific age-determination of the Shibukawa eruption from Haruna Volcano during the Tumulus period

Yukio Hayakawa, Kentaro Nakamura, Hisashi Fujine, other

5/16, 11:15-11:30, **V159-009**

Eruptive sequence of AD1895 activity of Zao volcano, NE Japan

Kotaro Miura, Masao Ban, Tsukasa Ohba, other

5/16, 11:30-11:45, **V159-010**

Flow dynamics of Pumice flow in the 15ka eruption, Nantai Volcano

Kazuya Yamamoto, Shin'ichi Ito, Kazumichi Fukuda, other

5/16, 11:45-12:00, **V159-011**

Quaternary submarine huge calderas on the Tokara volcanic ridge, northern Ryukyu arc: evidenced from the submarine explorations

Hisayoshi Yokose, Hajime Sato, Tetsuo Kobayashi, other

5/16, 12:00-12:15, **V159-012**

Monitoring of hydrothermal system under active volcanic vents using hot crater lake of Aso volcano

Akihiko Terada, Takeshi Hashimoto, Tsuneomi Kagiya, other

5/16, 13:45-14:00, **V159-013**

Time-dependent model for volume changes in pressure sources at Miyake volcano estimated by geodetic data during 1979-2000(Part 2)

Masayuki Murase, Kazutomo Takano, Fumiaki Kimata

5/16, 14:00-14:15, **V159-014**

Vertical movement at the southwestern slope of Mt. Hokkaido-Komagatake after the eruption in 2000.

Hitoshi, Y. Mori, Atsuo Suzuki

5/16, 14:15-14:30, **V159-015**

Crustal Deformation of Meakan-Dake Volcano Japan associated with Volcanic Activity

Makoto Murakami

5/16, 14:30-14:45, **V159-016**

Various volcanic crustal deformations in recent years - For the evaluation of activity at inexperienced volcanoes of unrests

Hitoshi Yamasato, Jun'ichi Miyamura

5/16, 14:45-15:00, **V159-017**

Simulations of dike intrusion and ground deformation by DEM (2)

Eisuke Fujita

5/16, 15:00-15:15, **V159-018**

Low-frequency seismic source for monitoring volcanic activity

Koshun Yamaoka, Toshiki Watanabe, Ryoya Ikuta, other

5/16, 15:30-15:45, **V159-019**

Eruptive activity at Asamayama in February 2009

Miyamura Jun'ichi Volcanological Division, Seismological and Volcanological Department, Japan Meteorological Agency

5/16, 15:45-16:00, **V159-020**

Recent eruptions and unrest of Asama Volcano

Yosuke Aoki, Minoru Takeo, Takao Ohminato, other

5/16, 16:00-16:15, **V159-021**

Distribution, weight, and component characteristics of tephra from the eruption on 2 February 2009 of Asama volcano

Fukashi Maeno, Yuki Suzuki, Setsuya Nakada, other

5/16, 16:15-16:30, **V159-022**

Ellipse approximation method for a prompt recognition of ash fall distribution -a case study at Sakurajima volcano-

Yasuhisa Tajima, Takao Yamakoshi, Keiji Tamura, other

5/16, 16:30-16:45, **V159-023**

Verification of the Quantitative Tephra Fall Prediction with the JMA Meso-Scale Tracer Transport Model of Volcanic Ash

Toshiki Shimbori, Yuri Aikawa, Naoko Seino

5/16, 16:45-17:00, **V159-024**

Magma process in the eruption which generated Yufune-2 scoria in Fuji volcano

Yuki Suzuki, Toshitsugu Fujii

5/17, 09:00-09:15, **V159-025**

A preliminary report on a seismic reflection experiment in Sakurajima volcano, Japan.

Tomoki Tsutsui Seismic reflection survey party, SAKURAJIMA 2008 seismic exploration project, **Tomoki Tsutsui**

5/17, 09:15-09:30, **V159-026**

P-wave velocity structure of Sakurajima volcano using data of seismic survey at 2008

Takeshi Tameguri, Masato Iguchi, Keigo Yamamoto, other

5/17, 09:30-09:45, **V159-027**

GPS baseline solution with tropospheric correction by using the JMA numerical weather model

Akimichi Takagi, Keiichi Fukui, Hitoshi Yamasato, other

5/17, 09:45-10:00, **V159-028**

Resistivity Changes of Sakurajima Volcano by Magnetotelluric Continuous Observations

Koki Aizawa, Wataru Kanda, Yasuo Ogawa, other

5/17, 10:00-10:15, **V159-029**

Tilt changes associated with the small eruption at Mt. Asama on Feb. 2, 2009

Takao Ohminato, Minoru Takeo

5/17, 10:15-10:30, **V159-030**

Source estimate of tilt signals associated with very-long-period pulses at Asama Volcano
Yuta Maeda, Minoru Takeo, Takao Ohminato, other

5/17, 10:45-11:00, **V159-031**

A study on the volcano deformation during Vulcanian eruptions
Takeshi Nishimura

5/17, 11:00-11:15, **V159-032**

Concentration of pressure at the uppermost part of the conduit before explosive eruptions at Showa crater, Sakurajima volcano

Masato Iguchi, Akihiko Yokoo, Takeshi Tameguri

5/17, 11:15-11:30, **V159-033**

Controlling mechanism of air shock intensity in vulcanian eruptions at Sakurajima volcano, Japan

Takahiro Miwa, Atsushi Toramaru

5/17, 11:30-11:45, **V159-034**

Swelling and failure processes of crater bottom at onset of volcanic eruption

Akihiko Yokoo, Takeshi Tameguri, Masato Iguchi

5/17, 11:45-12:00, **V159-035**

Viscoelastic effects on the fragmentation of vesicular magma by decompression

Masaharu Kameda, Susumu Shimanuki, Mie Ichihara

5/17, 12:00-12:15, **V159-036**

Repetition of Vulcanian Explosions as a result of Conduit Magma Convection

Hiroshi Shinohara

5/17, 13:45-14:00, **V159-037**

Sulfur dioxide flux difference between two craters in Sakurajima volcano by using UV cameras observation system

Ryunosuke Kazahaya, Toshiya Mori

5/17, 14:00-14:15, **V159-038**

Effects of magma flux and viscosity on porosity change of an ascending magma in volcanic conduits during dome-forming eruptions

Tomofumi Kozono, Takehiro Koyaguchi

5/17, 14:15-14:30, **V159-039**

Numerical simulation of medium-scale volcanic eruption clouds: Inner structures and turbulent mixing

Yujiro Suzuki, Takehiro Koyaguchi

5/17, 14:30-14:45, **V159-040**

Comparative study on degree of fragmentation of crystals contained in pumice fall and lava flow

Maya Yasui

5/17, 14:45-15:00, **V159-041**

Comparative petrology of the historical large eruptions of the Sakurajima Volcano: constraints from magnetite chemistry

Sho Tamura, **Michihiko Nakamura**, Masato Iguchi, other

5/17, 15:00-15:15, **V159-042**

Eruptive history of Asama-Maekake Volcano

Masaki Takahashi, Maya Yasui, Hiroyuki Takemoto

V159: (Active volcanism) poster Convention Hall

5/16, **V159-P001**

Phreatic eruptions of Meakandake volcano occurred in November 2008 and related volcanic activities.

Yuya Matsushita, Kengo Hatakeyama, Masashi Ogiso, other

5/16, **V159-P002**

Contractional ground deformation during the inter-eruptive period at Usu volcano, obtained from InSAR and GPS observations

Tomokazu Kobayashi, Hitoshi, Y. Mori, Atsuo Suzuki, other

5/16, **V159-P003**

Relocation of microearthquakes at Kusatsu-Shirane volcano

Teruo Yamawaki

5/16, **V159-P004**

Three-dimensional body-wave velocity structures beneath Mt. Fuji

Yoshie Ogami, Masaki Nakamura, Akimichi Takagi, other

5/16, **V159-P005**

Topographic analysis of lava flows on southern slope of Fuji Volcano based on Red Relief Image Maps

Azumi Uesugi, Masato Koyama, Yusuke Suzuki, other

5/16, **V159-P006**

A Study on the Volcanic Scenario Adapting the FEP Analysis -Application to the Eruption of Izu-Oshima Volcano-

Makoto Murakami, **Makoto Kawamura**, Hisashi Sasaki, other

5/16, **V159-P007**

Low-altitude remote sensing of volcanoes using unmanned helicopter: an example of aeromagnetic observation at Izu-Oshima

Takayuki Kaneko, Takao Koyama, Atsushi Yasuda, other

5/16, **V159-P008**

Melting Experiments of a basalt from Miyakejima volcano : implication the magma chamber in Ofunato stage

Masashi Ushioda, Eiichi Takahashi, Toshihiro Suzuki

5/16, **V159-P009**

Crustal deformation detected by kinematic GPS analysis at the early stage of the 2000 Miyakejima Volcano Eruption

Yoshihiro Matsumura

5/16, **V159-P010**

Gravity changes at Aso Volcano during the period from 1979 to 2008

Shin Yoshikawa, Sadato Ueki, Hiromitsu Oshima, other

5/16, **V159-P011**

Precise Leveling Survey in Aso Caldera

Takahiro Ohkura, Shin Yoshikawa, Hiroyuki Inoue, other

5/16, **V159-P012**

Shallow structure of Aira caldera by the analysis of seismic exploration data

Takashi Ando, Masato Iguchi, Keigo Yamamoto

5/16, **V159-P013**

Progress and characteristic of ground deformation of Kuchinoerabujima volcano detected by GPS

Eiji Saito, Masato Iguchi

5/16, **V159-P014**

Preliminary Crustal Deformation Observation around Mayon Volcano, Philippines using GPS

Kenji Fujiwara, Jame S. Sincioco, Eduardo Laguerta P, other

5/16, **V159-P015**

Feasibility study on active monitoring of volcanic activity by using artificial source

Tsuyoshi Michishita, Koshun Yamaoka, Toshiki Watanabe

5/16, **V159-P016**

Automated scanning instrument for continuous volcanic gas flux monitoring by compact UV spectrometer

Toshiya Mori

5/16, **V159-P017**

Error estimation by radiative transfer model on measurement of volcanic SO₂ flux with ultraviolet remote sensing

Keiichi Fukui, Teruo Aoki, Katsuyuki Kuchiki

5/16, **V159-P018**

Progress Report on the Satellite Analysis Group of the Coordinating Committee for Prediction of Volcanic Eruption

Shirato Shoumei Japan Meteorological Agency Volcano Division

5/16, **V159-P019**

Study on methods for extracting volcanic ash distribution by using ALOS imagery

Shoji Doshida, Takao Yamakoshi, Keiji Tamura

5/16, **V159-P020**

Fundamental characteristics of experimental geyser

Kazuki Maeda, Atsushi Toramaru

5/16, **V159-P021**

Dynamics of magma including bubbles during an eruptive sequence

Eui Yong Kang, Tadahiro Hatakeyama

5/16, **V159-P022**

Detection of the crustal deformation at Tokachidake volcano by Interferometric SAR

Youhei Kinoshita, Masato Furuya

5/16, **V159-P023**

Numerical simulation of magma ascent process in an open conduit based on a one-dimensional conduit flow model

Ryohei Kawaguchi, Takeshi Nishimura, Haruo Sato

5/16, **V159-P024**

Development of mobile sensor for volcanic observation

Katsuya Kaneko, Koichi Ito, Yuichi Anbe

5/16, **V159-P025**

Development of an automatic weight measurement system for volcanic ash

Daisuke Ohara, Yasuhisa Tajima, Shinji Numao, other

5/16, **V159-P026**

Development of eruption cloud model incorporating water phase microphysics

Akihiro Hashimoto, Keiichi Fukui, Akimichi Takagi

5/16, **V159-P027**

Petrological monitoring of eruption at Sakurajima volcano by automatic sampling system from Feb 2008

Taketo Shimano, Masato Iguchi, Akihiko Yokoo

5/16, **V159-P028**

A tree diagram for responses of bubbly magma on rapid decompression base on bubble dynamics

Mie Ichihara, Masaharu Kameda

5/16, **V159-P029**

On the secondary nucleation of bubbles in decompressing magmas

Atsushi Toramaru

5/16, **V159-P030**

Petrogenetic study of dense fragments included in pumice-fall eruption; case study of Asama volcano at 1108 and 1128 eruptions

Tsuyoshi Kichise, Michihiko Nakamura, Maya Yasui, other

5/16, **V159-P031**

Magma pathway and recent eruptions of Asama Volcano, Japan

Yosuke Aoki

5/16, **V159-P032**

Ground deformation at Asamayama volcano since 2008 revealed with tropospheric correction by using the JMA numerical weather model

Akimichi Takagi, Sei Iijima, Kazuhiro Maegawa, other

5/16, **V159-P033**

Tilt change associated with the eruption of the Asama volcano on Feb. 2, 2009 observed by a Hi-net high-sensitivity accelerometer

Takanori Matsuzawa, Kazushige Obara, Hitoshi Hirose, other

5/16, **V159-P034**

Detected infrasound signals in Isumi, Japan - the Eruption at Asama Volcano -

Nobuo Arai, Takahiko Murayama, Mami Nogami, other

5/16, **V159-P035**

Preliminary report on Ash-fall during the February 2, 2009 Eruption of Asama Volcano.

Teruki Oikawa, Nobuo Geshi, Hideo Hoshizumi, other

5/16, **V159-P036**

Distribution and characteristics of tephra on the February 2, 2009 eruption of Asama volcano, Central Japan

Naomichi Miyaji, Tatsuro Chiba, Kunihiko Endo, other

**V160: (Volcanic activity and magma)
oral 201A**

5/18, 09:00-09:15, **V160-001**
Muon radiography of Satsuma Iwojima
Hiroyuki Tanaka

5/18, 09:15-09:30, **V160-002**
Density distribution of magma in the conduit of Mt. Iwodake, Satsuma-Iwojima volcano: 2. Conduit Magma Convection Model
Hiroshi Shinohara, Hiroyuki Tanaka

5/18, 09:30-09:45, **V160-003**
Density distribution of magma in the conduit of Mt. Iwodake, Satsuma-Iwojima volcano: 3. modeling of conduit flow
Tomofumi Kozono, Takehiro Koyaguchi, Hiroyuki Tanaka, other

5/18, 09:45-10:00, **V160-004**
On the inner structure and formation process of Komezuka scoria cone, Aso volcano
Takeshi Hashimoto, Mitsuru Utsugi, Shogo Komori

5/18, 10:00-10:15, **V160-005**
Preliminary report on the geology of 2000AD caldera wall in Miyakejima Volcano.
Teruki Oikawa, Nobuo Geshi

5/18, 10:15-10:30, **V160-006**
Open-system degassing of flowing and stagnant magmas in a volcanic conduit
Satoshi Okumura, Michihiko Nakamura, Kentaro Uesugi, other

5/18, 10:45-11:00, **V160-007**
A combined model of conduit flow and eruption cloud dynamics (Part 2) The effect of crater shape on the column collapse condition
Takehiro Koyaguchi, Tomofumi Kozono, Yujiro Suzuki

5/18, 11:00-11:15, **V160-008**
A review of recent researches on volcanic debris avalanche
Shinji Takarada

5/18, 11:15-11:30, **V160-009**
Eruption products of the August 22, 2008 eruption of Shinmoedake, Kirishima volcano
Nobuo Geshi, Shinji Takarada, Masaaki Tsutsui, other

5/18, 11:30-11:45, **V160-010**
Magmatic processes of Plinian eruptions: a comparison between the 1667 eruption of Tarumai (Tarumae) and the 1663 eruption of Usu
Akihiko Tomiya, Shingo Takeuchi

5/18, 11:45-12:00, **V160-011**
Reaction textures between olivine and orthopyroxene in the A.D.864 Aokigahara lava flow of Fuji volcano
Hiroaki Sato

5/18, 12:00-12:15, **V160-012**
Upwelling and melting of a hot mantle diapir beneath northwestern Kyushu, Japan
Tetsuya Sakuyama, Shun'ichi Nakai, Hirochika Sumino, other

**V160: (Volcanic activity and magma)
poster Convention Hall**

5/17, **V160-P001**
The relative roles of boundary layer fractionation and homogeneous fractionation in cooling basaltic magma chambers
Takeshi Kuritani

5/17, **V160-P002**
Differentiation mechanisms in a sheet-like intrusion: Constraints from composition and microstructure in the Aosawa dolerite
Yushi Takada, Kazuhito Ozawa

5/17, **V160-P003**
Thermodynamic modeling of mantle melting

Kenta Ueki, Hikaru Iwamori

5/17, **V160-P004**

Fractal analysis of experimentally unstable flow in a conduit

Eiichi Sato, kazuhito yamasaki

5/17, **V160-P005**

A petrological study on the magma plumbing systems in the Niijima and Shikinejima volcanoes, Izu Islands

Ruriko Matsui, **Michihiko Nakamura**, Kana Yoshiki, other

5/17, **V160-P006**

Petrological viscosity scale of preeruptive magmas

Shingo Takeuchi

5/17, **V160-P007**

Re-examination of viscosity evaluation model by Goto (1997)

Akio Goto

5/17, **V160-P008**

Healing experiments of fractures in a rhyolitic melt: Estimation of lifetime of degassing pathways

Shumpei Yoshimura, Michihiko Nakamura

5/17, **V160-P009**

Basaltic andesitic pyroclastic flow deposit of the 3.3ka eruption at Tokachidake Volcano, Northern Japan

Mitsuhiro Yoshimoto

5/17, **V160-P010**

Volcanostratigraphy and K-Ar ages in the central part of Southern Yatsugatake volcanoes, central Japan

Kuniaki Nishiki, Yasumoto Oginome, Tatsuya Nagashima, other

5/17, **V160-P011**

Eruption style of phreatomagmatic eruption based on paleomagnetism and lithofacies -A case study of AD 886 Niijima eruption

Reina Nakaoka, Keiko Suzuki-Kamata

5/17, **V160-P012**

K-Ar ages of volcanic rocks from Kita-Iwo-To and Minami-Iwo-To Islands

Shun Nakano, Akikazu Matsumoto, Yasushi Ohta, other

5/17, **V160-P013**

Processes from the generation to the deposition of rhyolitic phreatomagmatic eruption: examples of Hime-shima Volcanic Group

Toru Ishikawa, Keiko Suzuki-Kamata

5/17, **V160-P014**

K-Ar ages of volcanic rocks from the north of the Hoho volcanic zone, central Kyushu: time-space change and new Quaternary volcano

Yoshihiro Ishizuka, Hideo Hoshizumi, Akikazu Matsumoto

5/17, **V160-P015**

Petrological study of volcanic products from Ojodake and Nakadake in central cones of Aso volcano, southwestern Japan

Tomohisa Tamura, Toshiaki Hasenaka

5/17, **V160-P016**

Emplacement Mechanism of Volcanic Breccias Distributed in the SW Wall of Aso Caldera

Kuniyuki Furukawa, Koji Uno, Taro Shinmura, other

V161:(Hydrothermal systems beneath volcanoes)

oral 301B

5/17, 15:30-15:45, **V161-001**

Relation between 1m depth temperature and average geothermal gradient at 75cm depth in geothermal fields

Sachio Ehara

5/17, 15:45-16:00, **V161-002**

About the influence of the ground water on the formation of high temperature fumarole

Nobuo Matsushima

5/17, 16:00-16:15, **V161-003**

Four-dimensional resistivity tomography at Onikobe Geysers
Yui Koda, **Yasuo Ogawa**, Shinichi Takakura, other

5/17, 16:15-16:30, **V161-004**

Lacustrine sediments and subaqueous geothermal activity of the Nakadake crater lake, Aso Volcano, Japan
Yasuo Miyabuchi, Akihiko Terada

5/17, 16:30-16:45, **V161-005**

FORMATION PROCESS OF VOLCANIC GASES FROM MEAKANDAKE VOLCANO, JAPAN
Takeshi Ohba, Noriyasu Taira, Michiko Ohwada, other

5/17, 16:45-17:00, **V161-006**

Hydrogeochemistry of hydrothermal circulation occurred in Aira Caldera occupied the innermost part of Kagoshima Bay, Kyushu, Japan
Toshiro Yamanaka, Kotaro Maeto, Hironori Akashi, other

V161:(Hydrothermal systems beneath volcanoes) poster Convention Hall

5/17, **V161-P001**

Pore fluid geochemistry affected by shallow-water hydrothermal activity at Wakamiko submarine volcano in Kagoshima Bay
Seiya Matsukura, Shingo Hirao, Youko Miyoshi, other

5/17, **V161-P002**

Estimating thermal structure of under Wakamiko Crater in Aira Caldera
Keiko Fujino, Sachio Ehara, Toshiro Yamanaka

5/17, **V161-P003**

Time variation of seismic amplitude corresponding to tidal forces at the vicinity of hydrothermal vents of Wakamiko Caldera
Hiroshi Yakiwara, Syuichiro Hirano, Hiroki Miyamachi, other

5/17, **V161-P004**

Change in Resistivity structure related with the decrease of thermal activity around Iwo-Yama, Kirishima Volcanoes
Katsunari Unai, Tsuneomi Kagiya, Mitsuru Utsugi, other

5/17, **V161-P005**

A shallow resistivity structure of Kuju volcano, central Kyushu, Japan
Wataru Kanda, Mitsuru Utsugi, Yoshikazu Tanaka, other

5/17, **V161-P006**

Hydrothermal system beneath Nabeyama-Myoban hot spring area inferred from self-potential profile
Hideaki Hase

5/17, **V161-P007**

The formation process of spring water at Kusatsu-Shirane volcano Japan based on the chemical composition of cations
Atsushi Shimizu, Takeshi Ohba

5/17, **V161-P008**

Appearance of a new fumarole in November 2008 and related mud deposits in Azuma volcano
Shin'ya Onizawa, Hiroshi Shinohara, Nobuo Matsushima

5/17, **V161-P009**

Change of fluid chemistry and reservoir of Hijiori HDR test field
Norio Yanagisawa

5/17, **V161-P010**

Simple numerical method for simulating underground multiphase flow
Mitsuo Matsumoto

5/17, **V161-P011**

Volcanic activity monitoring using MODIS data
Takafumi Noguchi, Katsumi Hattori, Nozomi Ohno

5/17, **V161-P012**

Temporal change of the coefficient of geothermal flux used in the heat balance technique

Yasuhiro Fujimitsu, Jun Nishijima, Sachio Ehara

V227:(caldera)
oral 101

5/18, 13:45-14:00, **V227-001**
Diversity of volcanic activities in Kyushu
Tsuneomi Kagiya

5/18, 14:00-14:15, **V227-002**
Unrest events repeated since 1999 at Kuchinoerabujima volcano, Japan
Masato Iguchi, Takehiko Mori, Eiji Saito, other

5/18, 14:15-14:30, **V227-003**
Quantitative examination of the effect of magma degassing on the electrical conductivity structure of a volcano
Shogo Komori, Tsuneomi Kagiya

5/18, 14:30-14:45, **V227-004**
Well-resolved hypocenter distribution of earthquake swarm in the caldera of Hakone Volcano
Yohei Yukutake, Toshikazu Tanada

5/18, 14:45-15:00, **V227-005**
Resistivity structure of the Aso Caldera using wideband magnetotelluric method
Mitsuru Utsugi, Takeshi Hashimoto, Wataru Kanda, other

5/18, 15:00-15:15, **V227-006**
Three cycles of magma activities leading to large eruptions as observed in Aira caldera
Yuko Sekiguchi, Toshiaki Hasenaka

5/18, 15:30-15:45, **V227-007**
Fragmentation and hybridization of magma inferred from essential materials in Aso-4 pyroclastics, SW Japan
Michiaki Imaizumi, Yoshihiro Sawada

5/18, 15:45-16:00, **V227-008**
Temporal changes of petrological characteristics of volcanic products between pre-caldera and post-caldera stages in Aso volcano
Masaya Miyoshi, Taro Shinmura, Kuniyuki Furukawa, other

5/18, 16:00-16:15, **V227-009**
Temporal changes of geochemical characteristics of volcanic products from Aso volc: Implication for a prediction of super eruption
Taro Shinmura, Yoji Arakawa, Masaya Miyoshi, other

5/18, 16:15-16:30, **V227-010**
Temporal variation in magma system of Kutcharo caldera volcano, eastern Hokkaido
Mitsuhiro Nakagawa, Takeshi Hasegawa, Akiko Matsumoto

5/18, 16:30-16:45, **V227-011**
Magma feeding system of Kutcharo and Mashu volcanoes
Isoji MIYAGI, Jun'ichi Itoh, Hoang Nguyen

5/18, 16:45-17:00, **V227-012**
Magmatic processes of the largest silicic eruption (Ak2) from Akan caldera, eastern Hokkaido: Comparing with the other eruptions
Takeshi Hasegawa, Mitsuhiro Nakagawa

V227:(caldera)
poster Convention Hall

5/17, **V227-P001**
Field Occurrence of Hitomi-dani Composite Dike, Kawakami, Nara Prefecture
Yutaka WADA, Kimi Tanigawa, Hironao Shinjoe

5/17, **V227-P002**
Geology of the Higashi-Yamanashi volcano-plutonic complex and its implications for the process of cauldron formation.
Tatsuo Kanamaru, Masaki Takahashi

5/17, **V227-P003**

Volcanic edifice structure of Myojinsho caldera by bathymetry and seismic survey
Taketo Shimano, Kenichiro Tani, Fukashi Maeno, other

5/17, **V227-P004**

Resistivity structure of central Kyushu region, Japan, revisited (2)
Takao Koyama, Hiroshi Munekane, Tsuneomi Kagiya, other

W162:(Glaciology)
oral Function Room B

5/21, 10:45-11:00, **W162-001**

Ice loss in the Asian high mountains from satellite gravimetry
Kosuke Heki, Koji Matsuo

5/21, 11:00-11:15, **W162-002**

Distribution of surface dust in the bare ice area of the Greenland Ice Sheet derived from Landsat ETM images
Hiroki Ito, Nozomu Takeuchi, Shiro Kohshima, other

5/21, 11:15-11:30, **W162-003**

DNA analysis of a single pollen grain to identify the provenance of pollen transported to Antarctica
Fumio Nakazawa, Jun Uetake, Hiroshi Kanda

5/21, 11:30-11:45, **W162-004**

A seasonal variation in Chlorophyll a concentration in the surface snow of the Tateyama Mountains, Toyama-Prefecture, Japan.
Kousuke Nagai, Nozomu Takeuchi

5/21, 11:45-12:00, **W162-005**

Compaction experiments of ice-silica particles mixtures: Implications for compaction of icy satellites
Minami Yasui, Masahiko Arakawa

5/21, 12:00-12:15, **W162-006**

Coldness Conservation Experiments using Hay as Heat Insulator
Shuhei Takahashi, **Alimasi Nuerasimuguli**

W162:(Glaciology)
poster Convention Hall

5/20, **W162-P001**

Regional Characteristics of Variation of Snowfall and Snow depth in Japan
Hiroyuki Ishii, Keisuke Suzuki

5/20, **W162-P002**

Effects of topographic relief on the snow depth distribution in a mountainous slope
Takashi Okamoto, Sumio Matsuura

5/20, **W162-P003**

Drifting snow dynamics with wind-tunnel experiment and numerical modeling
Takashi Suzuki, Masaki Nemoto, Kenji Kosugi, other

5/20, **W162-P004**

Snowpack-stability related vibration experiments
Evgeny Podolskiy, Kouichi Nishimura, Osamu Abe, other

5/20, **W162-P005**

Shear strength measurement by a vane shear tester and a shear frame of natural snow
Shuhei Takahashi, **Aki Oba**, Ryo KUSAKA

5/20, **W162-P006**

Variation of Yukikabe Snow-Patch in Daisetsu Mts., Hokkaido
Shuhei Takahashi, Takao Kameda

5/20, **W162-P007**

Seasonal change in snow cover distribution in Mt. Tateyama
Tomoki Satake, Koji Fujita

5/20, **W162-P008**

Chemical characteristics of surface snow in Dome Fuji route, Antarctica

Takayuki Kuramoto, Motohiro Hirabayashi, Hideaki Motoyama

5/20, **W162-P009**

Source identification of mineral dust in surface snow near Dome Fuji, Antarctica

Motohiro Hirabayashi, Hideaki Motoyama, Shun'ichi Nakai, other

5/20, **W162-P010**

Recent ice core drilling technology in glacier and ice sheet

Hideaki Motoyama, Takayuki Shiraiwa, Sumito Matoba

5/20, **W162-P011**

Mass balance of the McCall glacier

Ryo KUSAKA, Shuhei Takahashi

5/20, **W162-P012**

Mass balance and climatic condition of Potanin glacier, Mongolia Altai

Keiko Konya, Tsutomu Kadota, Fumio Nakazawa, other

W163:(Cryosphere and Climate)

oral Function Room B

5/21, 09:00-09:15, **W163-001**

Influence of increased rainfall on the hydrological and thermal conditions of the active layer in a larch forest, Yakutsk

Go Iwahana

5/21, 09:15-09:30, **W163-002**

Long-term variations of snow impurity concentrations and albedo in Sapporo

Teruo Aoki, Katsuyuki Kuchiki, Masashi Niwano, other

5/21, 09:30-09:45, **W163-003**

Current state of glacier changes and glacier lakes in Tien Shan Mountains, Central Asia

Chiyuki Narama

5/21, 09:45-10:00, **W163-004**

Relation between Sea Ice Period and Meteorological Conditions in Coastal Region of Sea of Okhotsk around Shiretoko Peninsula

Tomofumi Kosugi, Shuhei Takahashi, Akira Hori

5/21, 10:00-10:15, **W163-005**

Total solar eclipse over Antarctica on 23 November 2003 and its effects on the atmosphere and snow at Dome Fuji

Takao Kameda

5/21, 10:15-10:30, **W163-006**

The high pressure system over the Antarctic ice sheet after a blocking event and formation of cloud and precipitation at Dome-F

Naohiko Hirasawa

W163:(Cryosphere and Climate)

poster Convention Hall

5/20, **W163-P001**

Distribution of glaciers elevation changes in Khumbu Himal, Nepal Himalaya since 1984 using multitemporal DEM.

Takayuki Nuimura, Koji Fujita, Satoru Yamaguchi, other

5/20, **W163-P002**

Response of ground temperature profile to the variation in snow depth in seasonal frozen ground area

Tetsuo Sueyoshi, Yuji Kodama

W164:(Global Change by Core Studies)

oral Function Room A

5/20, 13:45-14:00, **W164-001**

A mechanism for local insolation modulation of gas transport conditions during bubble close-off in the firn in Antarctica

Shuji Fujita, Junichi Okuyama, Akira Hori, other

5/20, 14:00-14:15, **W164-002**

Gas analyses and O₂/N₂ dating for deep part of the Dome Fuji ice core, Antarctica
Kenji Kawamura, Yuto Kikuchi, Takakiyo Nakazawa, other

5/20, 14:15-14:30, **W164-003**
A 720 kyr record of dust flux variability from the Dome Fuji ice core
Takayuki Miyake, Yoshiyuki Fujii, Motohiro Hirabayashi, other

5/20, 14:30-14:45, **W164-004**
The effect of southward shift of the Antarctic Circumpolar Current frontal system during Termination II
Minoru Ikehara, Mai Nishigawa

5/20, 14:45-15:00, * **W164-005**
An Antarctic ice core recording both supernovae and solar cycles
Yuko Motizuki, Kazuya Takahashi, Kazuo Makishima, other

5/20, 15:00-15:15, **W164-006**
Signals of climate changes in an ice-core obtained from Mount Ichinsky, Kamchatka
Sumito Matoba, Takayuki Shiraiwa

5/20, 15:30-15:45, ***W164-007**
Determining environmental change in Central Asia using proxy data
Chiyuki Narama, Jumpei Kubota

5/20, 15:45-16:00, **W164-008**
Ice cores drilled on the Grigoriev Ice Cap in Kyrgyz Tianshan Mts, Central Asia
Nozomu Takeuchi, Koji Fujita, Sachiko Okamoto, other

5/20, 16:00-16:15, **W164-009**
Characteristics of particulate organic matters in ice cores drilled on the mountain glaciers
Yoriko Ishida, Nozomu Takeuchi

5/20, 16:15-16:30, **W164-010**
Reconstructions of past flora using DNA analysis from ice core samples on Gregoriev Glacier, Kyrgyz Tianshan
Takahiro Segawa, Nozomu Takeuchi, Koji Fujita, other

5/20, 16:30-16:45, **W164-011**
DNA analysis of a single Pinus pollen grain used for pollen analysis at species level
Fumio Nakazawa, Jun Uetake, Nozomu Takeuchi, other

5/20, 16:45-17:00, **W164-012**
Iron flux to the northern North Pacific estimated from the ice-core of Mt. Wrangell, Alaska
Hirotsuka Sasaki, Sumito Matoba, Takayuki Shiraiwa

W164: (Global Change by Core Studies) poster Convention Hall

5/19, **W164-P001**
New JARE scientific project 'Study of glacial-interglacial cycle and the present and future global environmental change'
Hideaki Motoyama, Shuji Fujita, Hideki Miura, other

5/19, **W164-P002**
Cryo-TL study on salts for in-situ measurement system of salt inclusions in Antarctic ice core
Atsushi Tani, Jun-ichi Mizuno, Toshimitsu Sakurai, other

5/19, **W164-P003**
Characteristics of micro-inclusions in deep part of Dome Fuji ice core, Antarctica
Toshimitsu Sakurai, Yoshinori Iizuka, Atsushi Miyamoto, other

5/19, **W164-P004**
Microorganisms density changes during glacial-interglacial cycle in Dome Fuji ice core
Jun Uetake, Takahiro Segawa, Hideaki Motoyama, other

5/19, **W164-P005**
Change in chemical species in a re-drilled Dunde ice core, western China.
Tomokiyo Yamamoto, Koji Fujita, Nozomu Takeuchi, other

5/19, ***W164-P006**

Re-evaluation of summer temperature reconstruction by melt features in Belukha ice cores, Russian Altai
Sachiko Okamoto, Koji Fujita, Jun Uetake, other

5/19, **W164-P007**

Analysis and dating of the pollen of the ice cores of the Grigoriev ice cap in Tien Shan, Kirghiz
Shuntarou Sera, Nozomu Takeuchi, Koji Fujita, other

X165:(-Human environment and disaster risk)
oral 202

5/20, 09:00-09:15, **X165-001**

Characteristics of Hailstorms on a Synoptic and Meso Scale in July 1979-2008, in Gunma Prefecture, the Eastern Japan.

Dan Tabata, Naoto Ogawa, Shuji Yamakawa

5/20, 09:15-09:30, **X165-002**

Storm and flood damage in the Seto Inland Sea area and hazard map

Noboru Furuta

5/20, 09:30-09:45, **X165-003**

Estimation of tephra hazard using tephra GIS

Mamoru Koarai, Takehiko Suzuki, Daichi Nakayama, other

5/20, 09:45-10:00, **X165-004**

Prototyping and testing for the 'Ground Vulnerability Judgment System'

Takayuki Nakano, Mamoru Koarai, Toshitaka Kamai, other

5/20, 10:00-10:15, **X165-005**

Earthquake response of landslides

Toshitaka Kamai

5/20, 10:15-10:30, **X165-006**

Case Studies of Consulting on Slope Stability Problem for Citizens

Hidemasa Ohta

X165:(-Human environment and disaster risk)
poster Convention Hall

5/19, **X165-P001**

Spatial interactions of environmental factors: toward a conceptual approach for modeling chemicals in human health risk assessment

Risa LAI, Kikuo YOSHIDA

5/19, **X165-P002**

The awareness of residents in Sendai City for the Miyagi-ken-Oki Earthquake and earthquake caused by the Nagamachi-Rifu fault zone

Kei Watanabe, **Tatsuto Aoki**

5/19, **X165-P003**

A risk assessment of Municipal Mitigation System with Hazard Maps by GIS Analytical Results at Nasu Volcanic area

Mika Suzuki, Yoichi Nakamura

5/19, **X165-P004**

Disaster risk regions analyzed by formation processes for geographical and geological environments of Yamashiro basin, Kyoto

Yuka Ito, Fujio Masuda

5/19, **X165-P005**

The awareness of the floods hazard map - A Case Study at Shinminato district Imizu city-

Koji Ohnishi

X166:(GIS)

oral 301A

5/20, 15:30-15:45, **X166-001**

Development of spatio-temporal urban data by the integration of digital maps and yellow page and comparison with statistical data

Yuki Akiyama, Ryosuke Shibasaki

5/20, 15:45-16:00, **X166-002**

Effects of land use change on riverine suspended sediment concentration in the Kanto region, Japan

Takashi Oguchi, Kazushi Nagasaki, Helen P. Jarvie

5/20, 16:00-16:15, **X166-003**

Land Use/Cover Changes in Masai Mara Ecosystem: A Threat to Wildlife Sanctuary in East Africa.

Charles Ndegwa Mundia, Yuji Murayama

5/20, 16:15-16:30, **X166-004**

The evaluation of fuzzy uncertainties in geographical information

Yuki Hanashima

5/20, 16:30-16:45, **X166-005**

A Computer Simulation of 3D GIS Walkable City

Koko Lwin

5/20, 16:45-17:00, **X166-006**

Spatial and social behavioural analysis during and after the 2004 Chuetsu Earthquake. The Kawaguchi Village case of study

Matteo Gismondi

X166:(GIS)

poster Convention Hall

5/20, **X166-P001**

A hybrid approach to mapping spatial patterns of urbanization in Kathmandu Valley using satellite remote sensing imageries

Rajesh Bahadur THAPA, Yuji Murayama

5/20, **X166-P002**

Land use analysis considering transition probability: A case study of Tsukuba Science City

Chiaki Mizutani, Mamoru Koarai, Takayuki Nakano

5/20, **X166-P003**

Geographical Characteristics of Telemedicine in Japan; a case study of Kagawa prefecture

SooKyung Park

5/20, **X166-P004**

GIS based land suitability assessment for sustainable agricultural land-use allocation: a case study in Tam Dao region of Vietnam

DANG KHOI Duong

5/20, **X166-P005**

Spatial structure of volcanic disaster cognition in Izu-Oshima

Kyosuke Eimura

5/20, **X166-P006**

Verification of the damage caused by the Tonankai Earthquake by overlaying the aerial photo taken by U.S. Forces and DEMs

Takayuki Nakano, Hiroshi Une, Ryoichi Kojiroi, other

5/20, **X166-P007**

Simplified flood analysis system for hazard map using geographic information

shigeru tani

5/20, **X166-P008**

Visualization of the land use change in the southern region of Ibaraki, Japan

Kazuhisa Ohbi

X228:(Geoarchaeology)

oral Exhibition Hall 7 sub

5/19, 15:30-15:32

Introductory talk

5/19, 15:32-15:45, **X228-001**

A catastrophic flood caused by the 5 ka Numazawako ignimbrite eruption, northeast Japan: impacts on the Jomon period inhabitation

Kyoko S. Kataoka, Atsushi Urabe, Yasuo Takahashi

5/19, 15:45-15:58, **X228-002**

Fluvial landforms and deposits and paleoenvironments in and around Syrian archaeological sites

Takashi Oguchi, Kazuaki Hori, Chiaki T. Oguchi

5/19, 15:58-16:11, **X228-003**

Geoarchaeology of a drowning island: Prehistoric human settlement and geomorphologic formation of Funafuti Atoll, Tuvalu

Toru Yamaguchi, Hiroya Yamano, Hajime Kayanne

5/19, 16:11-16:24, **X228-004**

Equotip hardness of adobes for the Arg-e-Bam restoration, the world heritage in Iran

Chiaki T. Oguchi, Masahiko Osada, Kunio Watanabe

5/19, 16:24-16:37, **X228-005**

Area based archaeology and cultural heritage education in Angkor of Cambodia

Masako Marui

5/19, 16:37-16:50, **X228-006**

Geologic and Geographic problems on the conservation of the historical Buddhist monastery Ajina Tapa, Tajikistan

Kunio Watanabe

5/19, 16:50-17:00

Outline of Poster Presentation

X228:(Geoarchaeology) poster Convention Hall

5/19, **X228-P001**

Application of OOGIS and ITMA in Archaeological Studies

Yu Fujimoto

5/19, **X228-P002**

Geoarchaeological survey with rapid topographic mapping system in Kayseri, Turkey

Yuichi S. Hayakawa, Hiro'omi Tsumura, Kontani Ryoichi, other

5/19, **X228-P003**

Archaeological research of Shikiryo site, Kagoshima prefecture, Japan, by introducing archaeological prospection and GIS

Hiroyuki Kamei, Takayuki Ako, Katsura Kogawa

5/19, **X228-P004**

Electrical Resistivity Imaging for investigating the Augustus' Villa - Somma Vesuviana, Italy

Takayuki Ako, Hiroyuki Kamei, Katsura Kogawa

5/19, **X228-P005**

An Approach to 'Archaeology as Natural Science': The Case of El-Zayyan Temple, Egypt

Tomoaki Nakano, **Katsura Kogawa**, Hiroyuki Kamei

5/19, **X228-P006**

Ancient temple and water environment map around Kharga Oasis, Western Desert, Egypt based on ALOS pan-sharpened imagery

Makiko Watanabe, Katsura Kogawa, Toshiro Sugimura, other

Y167:(Geological hazard/environmental geology) oral 202

5/19, 10:45-11:00, **Y167-001**

Formative processes of a sliding zone in pelitic schist -Its role of interactions between fracturing and weathering

Shintaro Yamasaki, Masahiro Chigira

5/19, 11:00-11:15, **Y167-002**

Various lithofacies of the Quaternary Volcanic Products and related slope movements in central Shimane, Japan

Takeshi Kimura, Yukio Tamura, Shuichiro Yokota

5/19, 11:15-11:30, **Y167-003**

The erosion process of the badlands topography in the South-West Taiwan

Kohei Higuchi, Masahiro Chigira

5/19, 11:30-11:45, **Y167-004**

Estimation of ground movement caused by the Iwate-Miyagi Nairiku Earthquake 2008, from the Geomorphic Image Analysis of LiDAR DEMs

Sakae Mukoyama, Tomohiro Nishimura, Norichika Asada

5/19, 11:45-12:00, **Y167-005**

Global satellite image database of volcanoes for volcanologist

Minoru Urai

5/19, 12:00-12:15, **Y167-006**

Risk management on geological environment after disaster

Hiroyuki Ohno

**Y167:(Geological hazard/environmental geology)
poster Convention Hall**

5/19, **Y167-P001**

Photogrammetric measurement of the surface displacement by the 2008 Iwate-Miyagi nairiku earthquake

Izumi Kamiya, Mamoru Koarai, Tatsuo Sekiguchi, other

5/19, **Y167-P002**

Geomorphological and geological environment of the landslides on steep slopes induced by the 2008 Iwate-Miyagi Inland Earthquake

Hironmu Daimaru, Wataru Murakami

5/19, **Y167-P003**

Landslides distribution nearby earthquake source fault of the Chuetsu-offshore earthquake, Niigata Prefecture in 2007

Baator Has, Yasuo Ishii, Souki Suzuki, other

5/19, **Y167-P004**

Tephrochronological age estimate of the Koune Landslide and the Higashiohkubo Landslide in Kamiyama Town, Tokushima, Japan

Ken-ichi Nishiyama, Shinichi Kitamura

5/19, **Y167-P005**

Structure and particle size distribution of non-tectonic faults -difference from tectonic faults

Shintaro Yamasaki, Masahiro Chigira

5/19, **Y167-P006**

Ring shear test on progressive failure in rainfall-induced landslides

Hiroshi Fukuoka

5/19, **Y167-P007**

APEC international training course, "Human capacity building for natural hazard mitigation in cities and coastal regions"

Sumito Morita, Akira Takada, Koji Wakita

**Y229:(Landslide dams and lakes)
oral 202**

5/19, 13:45-14:05, * **Y229-001**

Introduction to large landslide dams and outburst disasters

Kimio Inoue

5/19, 14:05-14:19, **Y229-002**

A predictive method to detect the possible positions of landslides and debris flows resulting landslide dams and lakes

Takashi Saito

5/19, 14:19-14:33, **Y229-003**

Geomorphologic method of detection of landslide dam

Shunji Yokoyama, Masanori Murai

5/19, 14:33-14:47, **Y229-004**

Occurrence of Earthquake-induced large-scale landslide dams in Shikoku

Shuichi Hasegawa

5/19, 14:47-15:01, **Y229-005**
Landslide dams of the Hime river basin
Shoji Ueno

5/19, 15:01-15:15, **Y229-006**
Mountain environment change from 26ka to present of the Kamikochi, Northern Japan Alps
Satoru Harayama, Sayuri Kawai

5/19, 15:30-15:32
Introduction of Poster Presentation

5/19, 15:32-15:46, **Y229-007**
Character and history of dammed-lakes formed by landslides and their deposits in Toyama Prefecture, central Japan
Satoru Kojima, Hidehisa Nagata, Ryoichi Kondo, other

5/19, 15:46-16:00, **Y229-008**
Landslides accompanying dammed lake in the Miyagawa drainage area, eastern Kii Peninsula, Southwest Japan
Hidehisa Nagata, Satoru Kojima

5/19, 16:00-16:14, **Y229-009**
Choking up of rivers and formations of new lakes caused by land sliding accompanied with the 1854 Ansei Tokai-Nankai earthquakes
Yoshinobu Tsuji

5/19, 16:14-16:28, **Y229-010**
Land Slide Dam Deposits in the Ojigahata area, Northern Part of Suzuka Mountains
Yuji Abe, Miwa Abe

5/19, 16:28-16:42, **Y229-011**
Onset of calving at supra-glacial lakes on debris-covered glaciers in the Nepal Himalayas
Akiko Sakai, Kouichi Nishimura, Nozomu Takeuchi

5/19, 16:42-16:56, **Y229-012**
Re-evaluation of potential of glacial lake outburst flood in the Himalayas
Koji Fujita

5/19, 16:56-17:00
Discussion

Y229:(Landslide dams and lakes) poster Convention Hall

5/19, **Y229-P001**
Age of the buried trees from ancient landslide-dammed lake at Toyama-River, southern Nagano Prefecture, central Japan
Akiko S. Goto, Takeshi Muramatsu, Yoshiji Teraoka

5/19, **Y229-P002**
Formation and erosion processes of the landslide dam, triggered by the AD 714 Totoumi earthquake, on the Toyama River
Takeshi Muramatsu, Yoshiji Teraoka, Akiko S. Goto

Y230:(Earthquake Early Warning) oral 101

5/17, 13:45-14:00, **Y230-001**
Development of Earthquake Early Warning
Keiji Doi

5/17, 14:00-14:15, **Y230-002**
Evaluation of the real-time earthquake information system using not-yet-arrived data
Hiromitsu Nakamura, Changjiang Wu, Takashi Kunugi, other

5/17, 14:15-14:30, **Y230-003**
Development of a real-time processing system using the local seismic network
Masumi Yamada, Yih-Min Wu, Shiro Ohmi

5/17, 14:30-14:45, **Y230-004**

On the timing of maximum amplitude -for rapid estimation of magnitude in earthquake early warning-
Mitsuyuki Hoshiba, Kazuhiro Iwakiri, Kazuo Ohtake

5/17, 14:45-15:00, **Y230-005**

Basic study for developing of the Earthquake Early Warning for great earthquakes -case of ground motions in large earthquakes-

Susumu Kurahashi, Kojiro Irikura, Kazuaki Masaki

5/17, 15:00-15:15, **Y230-006**

Improvement of real-time estimation of seismic intensity for large earthquakes

Shunroku Yamamoto, Kimitoshi Ashiya, Shinji Sato, other

5/17, 15:30-15:45, **Y230-007**

Real-time ground motion prediction with high accuracy using waveform data at a front site

Masato Motosaka

5/17, 15:45-16:00, **Y230-008**

Improvement of Earthquake Early Warning- Intensity Estimation from Initial Part of P-wave -

Kazuaki Masaki, Takenori Ueda, Susumu Kurahashi, other

5/17, 16:00-16:15, **Y230-009**

On prediction of shaking intensity using P wave strong motion data

Changjiang Wu, Hiromitsu Nakamura, Shigeki Horiuchi, other

5/17, 16:15-16:30, **Y230-010**

Application of Earthquake Early Warning System to disaster mitigation for High-Rise Building

Tomohiro Kubo, Yoshiaki Hisada, Masahiro Murakami, other

5/17, 16:30-16:45, **Y230-011**

Development of active evacuation system in individual household using earthquake early warning Part 1. Outline of the system

Shigeyuki Okada, Tadayoshi Nakashima

5/17, 16:45-17:00, **Y230-012**

Part2. Indoor space safety monitoring against injured occurrence due to furniture overturned.

Tadayoshi Nakashima, Shigeyuki Okada

Y230:(Earthquake Early Warning) poster Convention Hall

5/17, **Y230-P001**

Study on attenuation relations focused on near source region -Evaluation of their applicability for earthquake early warning-

Kazuhiro Iwakiri, Mitsuyuki Hoshiba, Kazuo Ohtake

5/17, **Y230-P002**

Earthquake Warning by using the Real Time Measurement Intensity - Development of the Independent Measurement Intensity Meter -

Kenji Kanjo, Masayoshi Inadera, Yoshinori Shinohara, other

5/17, **Y230-P003**

Evaluation of the accuracy of back-azimuths estimated in real-time by using single station record

Shunta Noda, Shinji Sato, Shunroku Yamamoto, other

5/17, **Y230-P004**

Recommendation of three stage seismic intensity meter supported by earthquake early warning

Takao Kagawa, Akio Kobayashi

5/17, **Y230-P005**

Practical use and its problem of the earthquake early warning system at Tokai University

Takayuki Kawakami, Toru Murayama, Toshiyasu Nagao, other

Z176:(Geomorphology) oral Exhibition hall 7 sub

5/19, 09:00-09:02

Introductory talk

5/19, 09:02-09:14, **Z176-001**

Did ground acceleration influence orientation bias of slope failures triggered by the 1994 Northridge, California earthquake?

Hiroshi, P. Sato

5/19, 09:15-09:27, **Z176-002**

Land-surface environment of a deep-seated landslide zone in a relatively stable phase

Ryota Abe, Kanae Nagasawa, Eiko Nara, other

5/19, 09:28-09:40, **Z176-003**

Was the Arakawa flood in 1742 amplified by a landslide dam?

Takahisa Machida, Toshikazu Tamura

5/19, 09:41-09:53, **Z176-004**

Depositional processes and formation of the Sanbongi Fan along the Oirase River: Implications for a volcanic catastrophic flood

Kyoko S. Kataoka

5/19, 09:54-10:06, **Z176-005**

Environmental diversity due to geomorphic processes in the floodplain in Kamikochi, the upper Azusa River, central Japan

Hiroshi Shimazu

5/19, 10:07-10:19, **Z176-006**

Recent grain size coarsening of Amur River floodplain deposits in the Sanjiang Plain, China

Kotaro Yamagata, Shigeko Haruyama, Mizue Murooka

5/19, 10:19-10:30

Discussion

5/19, 10:45-10:57, **Z176-007**

Models for the simulation of landform development

Michio Nogami

5/19, 10:58-11:10, **Z176-008**

Effects of uplift rate on the development of experimental erosion landforms rising from a flat surface

Shunji Ouchi

5/19, 11:11-11:23, **Z176-009**

Terrains Represented by Topographic Openness, Terrain Exposure and Sky-view Factor

OKY DICKY ARDIANSYAH PRIMA, Takeyoshi Yoshida

5/19, 11:24-11:36, **Z176-010**

Extraction and evaluation of dissection fronts on hillslopes using airborne laser scanner data

Shoji Doshida, Takashi Oguchi, Masahiro Chigira, other

5/19, 11:37-11:49, **Z176-011**

Holocene Environmental Change in Northern Mongolia

A. Orkhonselenge, Kenji Kashiwaya, Kaoru Kashima

5/19, 11:50-12:02, **Z176-012**

Changes in earth-surface environments after the 1995 Kobe Earthquake on the basis of pond-catchment information

Kenji Kashiwaya

5/19, 12:02-12:15

Discussion

5/19, 13:45-13:57, **Z176-013**

Salt Weathering in the Yoshimi Hyaku-Ana Historic Site: Seasonal Changes in Salt Crystallization and Debris Formation

Chiaki T. Oguchi, Yasuhiko Takaya, Mai Yamazaki, other

5/19, 13:58-14:10, **Z176-014**

Denudation rate of karst surfaces in Japan: estimates from cosmogenic Cl-36

Yuki Matsushi, Kimikazu Sasa, Keisuke Sueki, other

5/19, 14:11-14:23, **Z176-015**

Estimation of Soil Erosion Rates and Processes by using FRN in Jornada LTER site, New Mexico

Yuichi Onda, Chiho Sasako, Hiroaki Kato, other

5/19, 14:24-14:36, **Z176-016**

Observations of sediment transport rate of various forest soils using soil trays under open rainfall condition
Yoshifumi Wakiyama, Yuichi Onda, Marino Hiraoka, other

5/19, 14:37-14:49, **Z176-017**

Conservativeness of sediment geochemistry and selection of tracers in sediment sourcing
Takahisa Furuichi

5/19, 14:50-15:02, **Z176-018**

Trace the history of offshore bars from 1968 to 2008 along the coast of the Tottori Sand Dune, southwest Japan
Mayura Fujii, **Yoshinori Kodama**

5/19, 15:02-15:15

Discussion

Z176:(Geomorphology) poster Convention Hall

5/19, **Z176-P001**

Entrapped air influencing slope failures
Erika Seki, Sho Iwagami, Minseok Kim, other

5/19, **Z176-P002**

Formation age of uphill-facing scarp and linear depression discovered in the northwest area of the Gamaharazawa basin.
Wataru Murakami, Hiromu Daimaru

5/19, **Z176-P003**

Scale-dependent changes in stream gradients and its relationship to slope morphology for a mountain watershed
Yuichi S. Hayakawa, Fumitoshi Imaizumi, Tsuyoshi Hattanji

5/19, **Z176-P004**

Longitudinal variation in hummock size of the freely-spreading volcanic debris avalanches in Japan
Hidetsugu Yoshida, Toshihiko Sugai

5/19, **Z176-P005**

Geomorphological features in the Stung Sen river downstream, central Cambodia
Naoko Nagumo, Sumiko Kubo, Toshihiko Sugai

5/19, **Z176-P006**

Effect of bank slope steepness on terrestrial organic matter influx into stream channel.
Kaori Kochi, Yoshio Mishima

5/19, **Z176-P007**

Effects of surface cover and soil characteristics on infiltration capacity in Japanese cypress plantation
Marino Hiraoka, Yuichi Onda, Shigeru Mizugaki, other

5/19, **Z176-P008**

A model for determining the Cs-137 loss based on the transport distance model using runoff records in southern Arizona
Tomomi Furukawa, Yuichi Onda, Shigeru Mizugaki, other

5/19, **Z176-P009**

The Effects of Grazing Step Terracettes on Soil Erosion in Two Grasslands in Mongolia
Hiroaki Kato, Yuichi Onda, Yukiya Tanaka

5/19, **Z176-P010**

Hydro-Geomorphologic Evolution during the Holocene in Lake Khuvsgul Catchment, Mongolia
A. Orkhonselenge, Kenji Kashiwaya, Kaoru Kashima

5/19, **Z176-P011**

Numerical simulation for topographic evolution with a stream erosion model: Relation between asymmetric topography and uplift rate
Yosuke Shikakura, Yukitoshi Fukahata, Mitsuhiro Matsu'ura

5/19, **Z176-P012**

Relationship between isolated dune forms and flow conditions depending on the angular variation and intensity ratio of two flows

Keisuke Taniguchi, Noritaka Endo, Hideo Sekiguchi

5/19, **Z176-P013**

DEM-based fluvial terrace extraction and evaluation of their tectonic deformation

Takahiro Hiramatsu, Tatsuro Chiba, Yusuke Suzuki, other

5/19, **Z176-P014**

The most suitable window size of the slope gradient and the convexo-concave index for the assessment of shallow landslides

Junko Iwahashi, Izumi Kamiya

5/19, **Z176-P015**

A comparison of indices for delineating valleys with DEMs in different terrain

Toshiya Matsuura, Shuichiro Yoshinaga

5/19, **Z176-P016**

Geomorphological analysis of Noto Peninsula by LiDAR DEM

Koji Nohara, Junichi Yamazaki, Masaaki Hamada, other

5/19, **Z176-P017**

The development of short time and high-precise positioning technology using by GPS-VRS-RTK system

Kazuaki Watanabe, Toru Tamura, Futoshi Nanayama

5/19, **Z176-P018**

Experimental imaging under the marshland, Ground-Penetrating Radar, eastern Hokkaido

Shitaro Satoh, Fumitoshi Murakami, Futoshi Nanayama, other,

Z177:(Environmental Remote Sensing)

oral Exhibition Hall

5/20, 09:00-09:15, **Z177-001**

Challenge of Environmental Remote Sensing in the 21st Century

Akihiko Kondoh

5/20, 09:15-09:30, **Z177-002**

Evaluation of inundated area by satellite remote sensing in Asian Monsoon Area - A Case in Hue Lagoon, Vietnam .

Thanh Duyen Trinh Thi, Akihiko Kondoh

5/20, 09:30-09:45, **Z177-003**

Analyses of erosion and sedimentation around the mouth of Ganges in Bangladesh

Katsuhiko Ohtani, Akihiko Kondoh

5/20, 09:45-10:00, **Z177-004**

Finding of Subsidence Dynamics of Bandung-Indonesia by Using JERS-1 SAR and ALOS PALSAR DInSAR (1993-1998 and 2007-2008 Periods)

Josaphat Tetuko Sri Sumantyo

5/20, 10:00-10:15, **Z177-005**

The Study on an Extraction of Flood risk factors applied to IFRM (Integrated Flood Risk Management) in Yangsan watershed, S.Korea

YOUNGJOO KWAK, Akihiko Kondoh

5/20, 10:15-10:30, **Z177-006**

Upgrading of Coastal Zoning Process for Land Protection on Majuro Atoll

Yuki Eda, Yuji Kuwahara, Hiromune Yokoki, other

5/20, 10:45-11:00, **Z177-007**

Annual change of saline deposit soils using MODIS data

Akihiko Ito, Takashi Ishiyama, Fumihiko Nishio

5/20, 11:00-11:15, **Z177-008**

Statistical modelling of the annual changes in vegetation indices -evaluation with GIMMS NDVI data-

Tomoya Yamashita, **Rie Honda**

5/20, 11:15-11:30, **Z177-009**

Impact of Foehn on generating abnormally high surface air temperatures in the Tokyo metropolitan area

-Demonstration experiments-

Nobumitsu Tsunematsu, Hiroyuki Kusaka, Motoaki Yasui

5/20, 11:30-11:45, **Z177-010**

Measurement of volcanic gas using differential optical absorption spectroscopy (DOAS) with a Xenon light source
Ippeï Harada, Daisuke Kataoka, Taku Matsumoto, other

5/20, 11:45-12:00, **Z177-011**

Environmental Remote Sensing by GPS for Observation of Atmospheric Pollution -Section1- Error within Satellite-free Area
Shouji Aoto

5/20, 12:00-12:15

Discussion

Z177:(Environmental Remote Sensing) poster Convention Hall

5/19, **Z177-P001**

Interpretation of geomorphological features by ALOS pan-sharpened stereo imagery. Part 1: Image composition
Takashi Souma, Michio Shirasawa, Ryuzo Yokoyama

5/19, **Z177-P002**

Interpretation of geomorphological features by ALOS pan-sharpened stereo imagery. Part 2: Futaba Fault
Kazuo Ohmura, Takashi Souma, Michio Shirasawa, other

5/19, **Z177-P003**

Interpretation of geomorphological features by ALOS pan-sharpened stereo imagery. Part 3: Granite topography
Satoshi Kanisawa, Takashi Souma, Michio Shirasawa, other

5/19, **Z177-P004**

Interpretation of geomorphological features by ALOS pan-sharpened stereo imagery. Part 4: Aratozawa Landslide
Syogo Takemoto, Shingo Sato, Takashi Souma, other

5/19, **Z177-P005**

Interpretation of geomorphological features by ALOS pan-sharpened stereo imagery. Part 5: Application to a new active fault map
Toshifumi Imaizumi, Tatsuya Ishiyama, Takashi Souma, other

5/19, **Z177-P006**

Fundamental Analysis of Flood Risk on Coastal Plains in Japan due to Sea-Level Rise
Yuji Kuwahara, Hiromune Yokoki, Takekazu Koyanagi

5/19, **Z177-P007**

A new approach to estimate the grazing pressure in Mongolian grassland, based on MODIS-EVI and the ger movements data.

Reiichiro ISHII

Z178:(AE)

oral 202

5/20, 13:45-14:05, **Z178-001**

High-Speed Video, Mapping and Broadband Electric Field Recordings of Lightning
Harald E. Edens

5/20, 14:05-14:19, **Z178-002**

A comparison between the observed characteristics of positive and negative leaders
Daohong Wang, Nobuyuki Takagi

5/20, 14:19-14:33, **Z178-003**

Charge distributions for cloud-to-ground flashes with horizontally long leaders
Manabu Akita, Takeshi Morimoto, Tomoo Ushio, other

5/20, 14:33-14:47, **Z178-004**

Computer simulations on the sprite initiation for realistic lightning models with higher frequency surges
Tomokazu Asano, Yasutaka Hiraki, Mengu Cho, other, **Masashi Hayakawa**,

5/20, 14:47-15:01, **Z178-005**

Characteristics of ELF waves in the ionosphere by simultaneous measurements of satellite and ground-based experiment

Yasuhide Hobara, Masashi Hayakawa, Michel Parrot

5/20, 15:01-15:15, **Z178-006**

Current Status of the Lightning and Sprite Measurements from International Space Station

Tomoo Ushio, Mitsuteru Sato, Makoto Suzuki, other

5/20, 15:30-15:50, ***Z178-007**

Is there a relation between lightning activity and earthquakes ?

Michel Parrot

5/20, 15:50-16:04, **Z178-008**

Lower ionospheric perturbations associated with earthquakes, as detected by subionospheric VLF/LF radio signals

Masashi Hayakawa

5/20, 16:04-16:18, **Z178-009**

Ionospheric TEC anomaly prior to the 2008 Wenchuan earthquake

Masahide Nishihashi, Katsumi Hattori, Jann-Yenq Liu, other

5/20, 16:18-16:32, **Z178-010**

Electromagnetic phenomena possibly associated with the 2004 Sumatra-Andaman earthquake

Katsumi Hattori

5/20, 16:32-16:46, **Z178-011**

Ion-aerosol and global-circuit origin atmospheric electric field

Yoshihisa Kimura, Masashi Kamogawa, Hironobu Fujiwara, other

5/20, 16:46-17:00, **Z178-012**

Recent decrease of the atmospheric potential gradient in Japan

Masahiko Takeda

Z178:(AE)

poster Convention Hall

5/19, **Z178-P001**

Development and observation of Ku-band broad band radar for meteorological application

Eiichi Yoshikawa, Masatoshi Aoki, Takeshi Morimoto, other

5/19, **Z178-P002**

Spider-like cloud flash observation using VHF broadband digital interferometer

Yoshitaka Nakamura, Manabu Akita, Takeshi Morimoto, other

5/19, **Z178-P003**

Observation of energetic radiation associated with a thunderstorm activity at the top of Mt. Fuji

Tatsuo Torii, Takeshi Sugita, Sachiko Tanabe, other

5/19, **Z178-P004**

Changes of atmospheric electrical conditions due to preseismic radon emanation: theoretical approach

Yasutaka Omori, Hiroyuki Nagahama, Yusuke Kawada, other

J168: (Seismo-Volcano Electromagnetic)

oral Function Room A

5/21, 13:45-14:00, **J168-001**

Electrical Resistivity Mapping and Pre-seismic Geoelectric Changes in Kozu-shima Island, Japan

Yoshiaki Orihara, Masashi Kamogawa, Toshiyasu Nagao, other

5/21, 14:00-14:15, **J168-002**

Development of monitoring system for rain-induced landslides

Hitomi Kono, Yasunari Tojo, Katsumi Hattori, other

5/21, 14:15-14:30, **J168-003**

Long-term spectral analysis on ULF geomagnetic field observed at South Boso Peninsula

Hisashi Ishikawa, Chie Yoshino, Katsumi Hattori

5/21, 14:30-14:45, **J168-004**

Electromagnetic anomalies before and after earthquakes observed by the Chubu University ULF/ELF observation network

Jun Izutsu, Kenji Ohta, Masashi Hayakawa

5/21, 14:45-15:00, **J168-005**

Pragations of earth-origin electromagnetic pulses in an electrically high conductive medium

Minoru Tsutsui, Junichi Inoue, Toshiyasu Nagao

5/21, 15:00-15:15, **J168-006**

ELECTROMAGNETIC METHODOLOGY ON SEISMIC HAZARD ASSESSMENT

Dumitru STANICA, Maria Stanica

5/21, 15:30-15:45, * **J168-007**

Magnetic Signals from Earthquake Faulting: Aftershock of 2008 Iwate-Miyagi Nairiku Earthquake, NE Japan

Kan Okubo, Shun Watanabe, Akihiro Takeuchi, other

5/21, 15:45-16:00, **J168-008**

A statistical study on ELF-whistlers/emissions and $M=5.0$ earthquakes in Taiwan

Jann-Yenq Liu

5/21, 16:00-16:15, **J168-009**

Ionospheric electron density anomaly prior to the May 12, 2008 Mw7.9 Wenchuan Earthquake observed by FORMOSAT-3/COSMIC

Chun-Chieh Hsiao, Jann-Yenq Liu, Koichiro Oyama

5/21, 16:15-16:30, **J168-010**

Development of VHF interferometric system

Isao Yamamoto, Kazuyuki Fukui, Takashi Azakami, other

5/21, 16:30-16:45, **J168-011**

Development of interferometric system for the study of pre-seismic atmospheric anomalies

Hironobu Fujiwara, Masashi Kamogawa, Isao Yamamoto

5/21, 16:45-17:00, **J168-012**

Seismological meaning of total duration time T_e of VHF scattering waves observed before earthquakes.

Takeo Moriya, Toru Mogi, Masamitsu Takada

J168: (Seismo-Volcano Electromagnetic) poster Convention Hall

5/20, **J168-P001**

ULF geomagnetic anomaly associated with 2008 Iwate-Miyagi Nairiku earthquake

Takuya Hirano, Hitomi Ogawa, Hisashi Ishikawa, other

5/20, **J168-P002**

Principal Component Analysis of ULF Electromagnetic Data

Shota Saito, Hisashi Ishikawa, Takuya Hirano, other

5/20, **J168-P003**

Mechanism of generating electric fields just before shallow great earthquakes

Kozo Takahashi

5/20, **J168-P004**

VHF anomalous transmission associated with earthquakes: Preliminary results in Taiwan

Masashi Kamogawa, Nozomi Ohno

5/20, **J168-P005**

Interferometer and radio propagation property

Nozomi Ohno, Katsumi Hattori, Toshiaki Takano, other

5/20, **J168-P006**

Frequency analysis of EQ echoes associated with large earthquakes in Hokkaido and relationship to meteorological variables

Haruyuki Yamashita, Toru Mogi, Takeo Moriya

5/20, **J168-P007**

Regional characteristics of the VHF scattering waves (EQ echo) observed before earthquakes in Hokkaido

Takeo Moriya, Toru Mogi, Masamitsu Takada

5/20, **J168-P008**

Ionospheric total electron content anomaly related to the 2007 chuetsu-oki earthquake
Shimpei Kon, Masahide Nishihashi, Katsumi Hattori

5/20, **J168-P009**

Variation of ionospheric TEC before and after the Iwate-Miyagi Nairiku Earthquake in 2008
Mamoru Sugawara, Kosuke Heki

**J169: (Fault rheology and earthquake)
oral 302**

5/17, 10:45-11:00, ***J169-001**

Earthquake cycle simulation with a rate-, temperature- and state-dependent friction law
Hiroyuki Noda, Nadia Lapusta

5/17, 11:00-11:12, **J169-002**

Simulation of the Recurrence of Long-term Slow Slip Events in the Tokai Region by assuming Locally Elevated Pore Pressure
Fuyuki Hirose, Kenji Maeda

5/17, 11:12-11:24, **J169-003**

Derivation of the two nondimensional parameters controlling the dynamic behavior of a 1-D fault
Takehito Suzuki, Teruo Yamashita

5/17, 11:24-11:36, **J169-004**

Experiments on granular rheology: effects of particle size and fluid viscosity
Naoya Higashi, **Ikuro Sumita**

5/17, 11:36-11:48, **J169-005**

Granular friction: high speed friction and critical slip distance in DEM simulation
Takahiro Hatano

5/17, 11:48-12:00, **J169-006**

Direct effect coefficient α for granite is not about 0.01; it is never less than 0.04, most likely about 0.05
Masao Nakatani, Kohei Nagata, Shingo Yoshida

5/17, 12:00-12:12, **J169-007**

Revised evolution law in rate- and state-dependent friction incorporating a stress-weakening effect
Kohei Nagata, Masao Nakatani, Shingo Yoshida

5/17, 13:45-14:00, ***J169-008**

Fluid lubrication of faults during earthquakes: Evidence from high velocity experiments on fluid-saturated gouge
Takehiro Hirose, Wataru Tanikawa, Masumi Sakaguchi, other

5/17, 14:00-14:12, **J169-009**

High-velocity friction experiments on carbon bearing fault gouge
Kiyokazu OOHASHI, Takehiro Hirose, Toshihiko Shimamoto

5/17, 14:12-14:24, **J169-010**

High-velocity friction of the Longmenshan Fault gouge in Sichuan Province, China
Tetsuhiro Togo, Toshihiko Shimamoto, Shengli Ma, other

5/17, 14:24-14:36, **J169-011**

Frictional properties of chert rock at middle to high velocity and associated change of sliding surfaces
Nao Hayashi, Akito Tsutsumi

5/17, 14:36-14:48, **J169-012**

Estimating constitutive parameters from velocity step tests with a rotary-shear friction apparatus
Shun-ichi Watanabe, Atsushi Tsujimoto, Akito Tsutsumi

5/17, 14:48-15:00, **J169-013**

Influence of slip rate on the evolution of permeability in simulated fault rocks
Wataru Tanikawa, Takehiro Hirose, Weiren Lin, other

5/17, 15:00-15:12, **J169-014**

Fault Vibration during Frictional Melting
Kazuo Mizoguchi, Eiichi Fukuyama, Takehiro Hirose

5/17, 15:30-15:45, * **J169-015**

Frictional melting of argillite at high slip rates: Implications for seismic slip in subduction-accretion complexes
Kohtaro Ujiie, Akito Tsutsumi, Yuri Fialko, other

5/17, 15:45-15:57, **J169-016**

Energy taken up by co-seismic chemical reactions during a large earthquake: An example from the 1999 Taiwan Chi-Chi earthquake

Yohei Hamada, Tetsuro Hirono

5/17, 15:57-16:09, **J169-017**

Analyses of pseudotachylyte from Hole-B of TCDP; their implications for seismic slip behaviors during the 1999 Chi-Chi earthquake

Kenshiro Otsuki, Tetsuro Hirono, Masumi Sakaguchi, other

5/17, 16:09-16:21, **J169-018**

Veinlet fault gouge and pseudotachylyte developed along the active Shimotsuburai fault and its implication for seismotectonics

Jeong Hwan Shin, Aiming Lin, Ken-ichi Kano

5/17, 16:21-16:33, **J169-019**

An introduction of Wenchuan Earthquake Fault Zone Scientific Drilling and determination of stress states by a core-based method

Weiren Lin, Junwen Cui, Lianjie Wang, other

5/17, 16:33-16:45, **J169-020**

Definition and expected physical properties of fault damage zones

Kiyohiko Yamamoto, Ryota Hino, Yasuo Yabe

5/17, 16:45-17:00, ***J169-021**

Postseismic deformation associated with the Iwate-Miyagi Nairiku Earthquake in 2008 as inferred from dense GPS observation

Takeshi Inuma, Yusaku Ohta, Mako Ohzono, other

J169: (Fault rheology and earthquake) poster Convention Hall

5/17, **J169-P001**

Temporal pattern in afterslip and mechanical relaxation of rocks

Yusuke Kawada, Hiroyuki Nagahama, Naoki Uchida, other

5/17, **J169-P002**

Shapes of comminuted materials formed in sliding shear tests at different slip velocities

Kana Ozawa, Shigeru Takizawa, Naoki Saito

5/17, **J169-P003**

Effect of temperature on the friction coefficient at intermediate slip rates

Hiroyuki Noda, Kyuichi Kanagawa, Tetsuya Senda, other

5/17, **J169-P004**

Estimated dynamic shear stress and frictional heat during the 1999 Taiwan Chi-Chi earthquake

Yohei Hamada, Tetsuro Hirono, Minoru Ikehara

5/17, **J169-P005**

Instantaneous dehydration of serpentinite during large earthquakes: evidence from high-velocity friction experiments

Soichiro Takano, Aiming Lin

5/17, **J169-P006**

The occurrence and the microstructure of "high-T pseudotachylyte" fault system in the Balmuccia peridotite massif, N. Italy

Tadamasa Ueda, Masaaki Obata, Giulio Di Toro

5/17, **J169-P007**

Frictional properties of the cataclasite adjacent to the ultrafine-grained black fault rock at the Pasagshak Point, Kodiak, Alaska

Yuki Inoue, Akito Tsutsumi, C.D. Rowe, other

5/17, **169-P008**

Chemical reaction of organic matter during an earthquake at the Taiwan Chelungpu fault

Tetsuro Hirono, Kiyokazu OOHASHI, Yohei Hamada, other

5/17, **J169-P009**

Fault wedges and the exhumation of deformed rocks in crustal strike slip faults
Vincent Famin, **Tetsuro Hirono**, Hugues Raimbourg, other

5/17, **J169-P010**

Structural analyses of fault zone architecture and fault rocks developed in the Rokko Fault Zone, southwest Japan
Kazuhiko Yamashita, Aiming Lin

5/17, **J169-P011**

A trial estimation of the postseismic slip process based on seafloor borehole data and numerical simulation
Keisuke Ariyoshi, Eiichiro Araki, Kiyoshi Suyehiro, other

5/17, **J169-P012**

Preliminary report on the analysis of the borehole core penetrating the Median Tectonic Line 1
Norio Shigematsu, Koichiro Fujimoto, Nozomi Kimura, other

5/17, **J169-P013**

Preliminary report on the analysis of the borehole core penetrating the Median Tectonic Line 2
Koichiro Fujimoto, Naoto Furuya, Norio Shigematsu, other

5/17, **J169-P014**

Fault gouge obtained from the Atera fault, Gifu Prefecture, Central Japan
Naoki Saito, Shigeru Takizawa, Kana Ozawa

5/17, **J169-P015**

Dynamic segmentation of the active faults and a model of the earthquake focus development in the Tien Shan
Omuraliev Mederbek

J170: (Geophysical fluid dynamics)

oral 202

5/17, 13:45-14:00, **J170-001**

Thermal inertia of urban area decides the time evolutes of heat island circulation
Isao Iizawa, Aya Ito, Arata Yajima, other

5/17, 14:00-14:15, **J170-002**

Can regional and mesoscale models predict the temperature variation during a solar eclipse?
Masanori Onishi, Isao Iizawa, Hiroyuki Kusaka, other

5/17, 14:15-14:29, **J170-003**

Fractal Dimension of the Ground Surface and the Turbulent Mixing
Satoshi Sakai, Isao Iizawa, Masanori Onishi, other

5/17, 14:29-14:44, **J170-004**

Thermal property measurement of fractal structure
Miki Nakamura, Satoshi Sakai, Masanori Onishi, other

5/17, 14:44-14:58, **J170-005**

The linear response of the coupled atmosphere-solid earth system to the fluctuating condensation of water vapor in the troposphere
Keiko Shimazaki, Kensuke Nakajima

5/17, 14:58-15:13, **J170-006**

Abyssal hills, ocean infragravity waves, and background Love and Rayleigh waves
Yoshio Fukao, Kiwamu Nishida, Naoki Kobayashi

5/17, 15:13-15:15

Outline of poster presentation

5/17, 15:30-15:45, **J170-007**

Nonlinear solution of magnetostrophic dynamo
Ataru Sakuraba

5/17, 15:45-16:00, **J170-008**

Long-term fluctuation of convection pattern in liquid metal under uniform magnetic field
Takatoshi Yanagisawa, Yasuko Yamagishi, Ataru Sakuraba, other

5/17, 16:00-16:15, **J170-009**

Experimental study of convection cell transition induced by internal heat source in a shallow layer
Jumpei Takahashi, Yuji Tasaka, Yuichi Murai, other

5/17, 16:15-16:30, **J170-010**

Dust Devils in a Convective Mixed Layer Reproduced by a Large Eddy Simulation
Junshi Ito, Hiroshi Niino

5/17, 16:30-16:45, **J170-011**

Numerical modelling of Jovian atmospheric largescale vortices.
Ryohei Kato, Ko-ichiro SUGIYAMA, Kensuke Nakajima

5/17, 16:45-17:00, **J170-012**

Long-time asymptotic states of the forced two-dimensional barotropic incompressible flow on a rotating sphere
Kiori Obuse, Shin-ichi Takehiro, Michio Yamada

J170: (Geophysical fluid dynamics) **poster Convention Hall**

5/17, **J170-P001**

Implementation of spherical harmonic transform models on massively parallel computers
Yusuke Oishi, Ataru Sakuraba

5/17, **J170-P002**

On the boundary layer effect in the gravitational flows of the Ocean and Atmosphere
andrei giniatouline

J171: (Earth and Planetary Information Science) **oral Exhibition hall 7 sub**

5/21, 09:00-09:15, **J171-001**

Object tracking for the weather imagery by temporally continuous mixture model estimation
Mitsuhiro Ishizu, **Rie Honda**

5/21, 09:15-09:30, **J171-002**

Gtool5: Fortran 90/95 data I/O library for hierarchical models for geophysical fluid
Yasuhiro MORIKAWA, Yoshiyuki O. Takahashi, Masatsugu Odaka, other

5/21, 09:30-09:45, **J171-003**

Design review of Planetary Data Access Protocol
Yukio Yamamoto, Iku Shinohara

5/21, 09:45-10:00, **J171-004**

Seamless plot of time series by using Ajax
Masahito Nose

5/21, 10:00-10:15, **J171-005**

Dagik as a data-showcase system for sharing the visualization files of the geoscience data
Daiki Yoshida, Akinori Saito

5/21, 10:15-10:30, **J171-006**

A project of scientific visualization @NICT
Ken T. Murata

J171: (Earth and Planetary Information Science) **poster Convention Hall**

5/20, **J171-P001**

Generalization of similar data retrieval from natural plasma wave spectrum
Ken-ichiro Kawasaki, Yoshiya Kasahara, Yoshitaka Goto

5/20, **J171-P002**

KML generator on Web for geomagnetic field models
Hiromichi Nagao, Yasuko Yamagishi, Seiji Tsuboi, other

5/20, **J171-P003**

Visualization of geophysical and geochemical data obtained in research vessel MIRAI
Yasuko Yamagishi, Hiromichi Nagao, Katsuhiko Suzuki, other

5/20, **J171-P004**

Virtual data center for promoting the interdisciplinary sciences

Toshihiko Iyemori, Mamoru Ishii, Masahito Nose, other

J172: (Science on Seismogenic Zones)

oral Function Room B

5/20, 13:45-13:50

Introductory talk

5/20, 13:50-14:02, **J172-001**

Geometry of Pacific plate in Kuril-Japan trench zones estimated from earthquake distribution and seismic structures using OBSs

Masanao Shinohara, Tomoaki Yamada, Asako Kuwano, other

5/20, 14:02-14:14, **J172-002**

VRANCEA ZONE GEODYNAMICS AND THE EXPLANATION OF THE EARTHQUAKES MECHANISM

Maria Stanica, Dumitru STANICA

5/20, 14:14-14:26, **J172-003**

Heat flow distribution on the floor of the Nankai Trough to the south of the Ki-i Peninsula

Makoto Yamano, Hideki Hamamoto, Shusaku Goto

5/20, 14:26-14:38, **J172-004**

Forearc basin development and megasplay fault activity-Results from IODP Expedition 315, Nankai Trough

Juichiro Ashi, Hideki Masago IODP Expedition 315 Scientists

5/20, 14:38-14:50, **J172-005**

Transition of accretionary wedge structures around the up-dip limit of the seismogenic subduction zone

Gaku Kimura

5/20, 14:50-15:02, **J172-006**

Earthquake related event deposits on the mega-splay fault at Tonankai earthquake area, Nankai trough, Japan

Arito Sakaguchi, Gaku Kimura, Michael Strasser, other

5/20, 15:02-15:14, **J172-007**

Velocity-porosity relationships for cover sediments and accreted sediments from NantroSEIZE Stage 1, Sites C0001, C0002 and C0003

Yoshitaka Hashimoto, Harold Tobin, Matthew Knuth

5/20, 15:30-15:42, **J172-008**

Carbon cycling within the Nankai Trough accretionary prism

Tomohiro Toki, Akira Ijiri, Urumu Tsunogai, other

5/20, 15:42-15:54, **J172-009**

Trace element and Sr-Pb isotope compositions of core samples of the megasplay fault recovered from IODP Exp316

Tsuyoshi Ishikawa, Masaharu Tanimizu, Kazuya Nagaishi, other

5/20, 15:54-16:06, **J172-010**

Determination of frictional heat in the shallow portion of megasplay thrust in the Nankai Trough

Yohei Hamada, Tetsuro Hirono, Kohtaro Ujiie, other

5/20, 16:06-16:18, **J172-011**

Frictional properties of sediments from Nankai Trough IODP Expedition 316 in an intermediate velocity range

Akito Tsutsumi, Shun-ichi Watanabe, Daniel Curewitz IODP Expedition 316 Scientists

5/20, 16:18-16:30, **J172-012**

Geological record of thermal pressurization and earthquake instability of subduction thrusts

Kohtaro Ujiie, Masanori Kameyama, Asuka Yamaguchi

5/20, 16:30-16:42, **J172-013**

Thermal analyses of black zones in the Taiwan Chelungpu fault drilling project Hole B cores using ESR and VSM

Tatsuro Fukuchi, Daichi Tanaka, Noboru Imai, other

5/20, 16:42-16:54, **J172-014**

Detailed structure and its development process of a fault in an analogue model

Yasuhiro Yamada, Yusuke Oshima, Toshifumi Matsuoka

5/20. 16:54-17:00
Summary

**J172: (Science on Seismogenic Zones)
poster Convention Hall**

5/19, **J172-P001**

Geologic architectures, physical-mechanical properties and geochemistry of the eastern Nankai prism along the Tenryu Canyon

Kiichiro Kawamura, Ryo Anma, Kurtis Burmeister, other

5/19, **J172-P002**

Late Pleistocene preliminary Tephrostratigraphy in Kumano Trough for understanding its sedimentary-tectonic evolution

Toshiya Kanamatsu, Hideki Masago IODP Expedition 315 Scientists, Daniel Curewitz IODP Expedition 316 Scientists

5/19, **J172-P003**

Role of mega-splay fault and associated regional stress distribution in the Nankai seismogenic zone

Masataka Kinoshita, J. C. Moore, Lisa McNeill, other

5/19, **J172-P004**

Seismic attribute and log data correlation at IODP Site C0002

Yasuyuki Nakamura, Masataka Kinoshita, Harold Tobin, other

5/19, **J172-P005**

Frictional behavior of a mudstone sample cored from the shallow Nankai-Trough accretionary prism during the IODP Exp. 315

Kanae Iwanabe, Kyuichi Kanagawa, Masao Nakatani, other

5/19, **J172-P006**

Intermediate-velocity friction experiments on shallow sediments from Nankai Trough IODP Expedition 316

Shun-ichi Watanabe, Akito Tsutsumi, Daniel Curewitz IODP Expedition 316 Scientists

**J173: (Marine Geoscience)
oral 301A**

5/18, 09:00-09:15, **J173-001**

Preliminary report on MR08-06 Leg1 Marine Geology and Geophysical Research: A complete cross-Ocean Hemisphere Cruise

Natsue Abe, Shipboard Scientist MR-08-06-Leg1

5/18, 09:15-09:30, **J173-002**

Temporal variation in source compositions of hotspot volcanoes in French Polynesia

Takeshi Hanyu, Hanyu Takeshi YK06-14 Leg2 on-board scientists

5/18, 09:30-09:45, **J173-003**

Reorganization of the Pacific-Izanagi-Farallon Triple junction before the formation of the Shatsky Rise

Masao Nakanishi, Kiyoshi Baba, Masao Nakanishi YK08-09 shipboard scientists

5/18, 09:45-10:00, **J173-004**

Marine electromagnetic survey off Lutzow-Holm Bay, continental margin of East Antarctica

Tetsuo Matsuno, **Yoshifumi Nogi**, Kazuya Kitada, other

5/18, 10:00-10:15, **J173-005**

On the extent of the high heat flow anomaly observed seaward of the Japan Trench

Makoto Yamano, Hideki Hamamoto, Kiichiro Kawamura, other

5/18, 10:15-10:30, **J173-006**

Seismic structure of the CBF Rise: junction area between the Kyushu-Palau Ridge and CBF Rift

Azusa Nishizawa, Kentaro Kaneda, Mitsuhiro Oikawa

5/18, 10:45-11:00, **J173-007**

Forearc slope deformation and oceanic plate subduction of the southern Kuril Trench convergent plate margin

Ryo Miura, Takeshi Tsuji, Shinichiro Amamiya, other

5/18, 11:00-11:15, **J173-008**

Structural and petrological features of peridotites derived from the landward trench slope of the southern Mariana Trench

Shigeki Uehara, Katsuyoshi Michibayashi, Yasuhiko Ohara, other

5/18, 11:15-11:30, **J173-009**

Development of Goto Submarine Canyon

hisashi Oiwane, Satoshi Tonai, Shoichi Kiyokawa, other

5/18, 11:30-11:45, **J173-010**

Shallow-water hydrothermal system in Nagahama Bay, Satsuma Iwo-jima Island, Kagoshima

Tomomi Ninomiya, Shoichi Kiyokawa, Ryo Sakamoto, other

5/18, 11:45-12:00, **J173-011**

Horizontally-elongated convection controlled by surface sediment: The northern Iheya hydrothermal field, mid-Okinawa trough

Yuka Masaki, yoshifumi kawada, Masataka Kinoshita

5/18, 12:00-12:15, **J173-012**

Mapping observation of hydrothermal plume by using in-situ chemical sensors.

Kiminori Shitashima, Yoshiaki Maeda

5/18, 13:45-14:00, **J173-013**

Marine CSEM survey on a methane hydrate area, Nankai Trough off the Tokai area, Japan

Noriaki Sakurai, Tada-nori Goto, Takafumi Kasaya, other

5/18, 14:00-14:15, **J173-014**

Sailing seafloor geodetic observation using a hull-mounted acoustic transducer

Mariko Sato, Hiroaki Saito, Takaya Asakura, other

5/18, 14:15-14:30, **J173-015**

Seafloor geodetic observation based on technologies of AUV and submarine cable transponder

Masashi Mochizuki, Akira Asada, Tamaki Ura, other

5/18, 14:30-14:45, **J173-016**

Sea-bottom crustal deformation measurements along the Suruga-Nankai Trough

Keiichi Tadokoro, Shingo Sugimoto, Tsuyoshi Watanabe, other

5/18, 14:45-15:00, **J173-017**

Oceanic internal wave spectrum inferred from continuous measurements of temperature and pressure in seawater

Shingo Sugimoto, Keiichi Tadokoro, Ryoya Ikuta, other

5/18, 15:00-15:15, **J173-018**

Hydrocarbon Natural Diffusion out of Offshore Petroleum Deposits Possible as Major Source in Marine Food Chain

Shuji Mori

J173: (Marine Geoscience)

poster Convention Hall

5/17, **J173-P001**

Three dimensional seismic velocity structure at 37E on Southwest Indian Ridge

Takayuki Kitamura, **Toshinori Sato**, Mariko Mizuno, other

5/17, **J173-P002**

Seismicity of the Southwest Indian Ridge, 37E

Mariko Mizuno, Toshinori Sato, Takayuki Kitamura, other

5/17, **J173-P003**

Geophysical study of oblique spreading segment at Southwest Indian Ridge 34-40E

Taichi Sato, Kyoko Okino, Yoshifumi Nogi, other

5/17, **J173-P004**

Petrological and geochemical characteristics of volcanic and ultramafic rocks from the Southwest Indian ridge (34E-40E)

Hiroshi Sato, Ryoko Senda, Kentaro Nakamura, other

5/17, **J173-P005**

Geochemical studies on melt generation with numerical modeling beneath petit spots, Northwestern Pacific

Ayu Takahashi, Hikaru Iwamori

5/17, **J173-P006**

Closely-spaced heat flow measurements around a 'petit-spot' volcano
Hideki Hamamoto, Makoto Yamano, Ayu Takahashi, other

5/17, **J173-P007**

Seismic properties in the asthenosphere beneath the petit-spot region inferred from BBOBS data
Azusa Shito, Hiroko Sugioka, Aki Ito, other

5/17, **J173-P008**

Initial breakup process of Gondwana deduced from magnetic anomalies in the south of Corad Rise, the Southern Indian Ocean
Yoshifumi Nogi, Minoru Ikehara, Yasuyuki Nakamura, other

5/17, **J173-P009**

Centroid distribution of magnetized layer in the Philippine Sea deduced from spectral analysis of marine magnetic anomalies
Akiko Tanaka, Takemi Ishihara

5/17, **J173-P010**

Seismic crustal structure surveys across the southern Kyushu-Palau Ridge in 13N (KPr40 and KPr41)
Mitsuhiro Oikawa, Azusa Nishizawa, Kentaro Kaneda

5/17, **J173-P011**

Structural and petrological analyses of serpentinized peridotites and talc schists in the Godzilla Mullion
Yumiko Harigane, Katsuyoshi Michibayashi, Yasuhiko Ohara

5/17, **J173-P012**

A submersible study of the Mariana Trough back-arc spreading center at 17oN
Toshiya Fujiwara, Susumu Umino, Miho Asada, other

5/17, **J173-P013**

Hydrothermal ore deposits at on- and off-axial sites of backarc spreading in the southern Mariana Trough
Junichiro Ishibashi, Ryohei Suzuki, Tetsuro Urabe, other

5/17, **J173-P014**

Aging of the seismo-disturbance of bottom in the submarine source region of Hokkaido Nansei-oki earthquake
Akira Takeuchi, Masato Joshima, Tetsuya Miwa, other

5/17, **J173-P015**

What process makes slope failures in the lower part of landward slope, the southwestern Kuril Trench
tomoyuki sasaki, Taqumi TuZino, Kiichiro Kawamura, other

5/17, **J173-P016**

Sub-bottom profiling and side-scan-sonar record during KAICO700II/KR08-13 cruise in the NANKAI TROUGH
Masato Joshima, Masataka Kinoshita, Takafumi Kasaya, other

5/17, **J173-P017**

The capacity of detecting slip deficit at the Nankai Trough based on seafloor geodetic observation
Tsuyoshi Watanabe, Keiichi Tadokoro, Shingo Sugimoto, other

5/17, **J173-P018**

Observation of Ocean Bottom Crustal Deformation in Ryukyu trench
Mamoru Nakamura, Keiichi Tadokoro, Takashi OKUDA, other

5/17, **J173-P019**

Development of the seafloor acoustic ranging system toward the cable network system
Yukihito Osada, Motoyuki Kido, Hiromi Fujimoto, other

5/17, **J173-P020**

Difference of Analysis Results of Seafloor Crustal Deformation from Gyroscope and Satellite Compass
Koji Miyata, Keiichi Tadokoro, Shingo Sugimoto, other

5/17, **J173-P021**

Latest results of seafloor geodetic observation by Japan Coast Guard
Hiroaki Saito, Mariko Sato, Takaya Asakura, other

J174:(Mapping and spatial representation)
poster Convention Hall

5/20, **J174-P001**

Luna topographic map and anaglyphs by LALT
Izumi Kamiya, Hiroshi Araki, Shinichi Sobue

5/20, **J174-P002**

Three Dimensional Vegetation Map using LIDAR Data on Mt. Rausu, Shiretoko Peninsula, Hokkaido
Mamoru Koarai, Takayuki Nakano, Youko Hirose

5/20, **J174-P003**

Production of interpretation card to understand surface deformation detected by synthetic aperture radar interferograms
Hiroshi, P. Sato, Takayuki Nakano, Hiroshi Une

5/20, **J174-P004**

Examination of hills map considered to utilize for residential hazard map
Takayuki Nakano, Mamoru Koarai

5/20, **J174-P005**

Global Map tells us changes of the world
Tsutsui Toshihiro Geographic Department, Geographical Survey Institute of Japan

5/20, **J174-P006**

Disaster Monitoring using ALOS PRISM and AVNIR-2
Tsuneo Tanaka, Tsutomu Otsuka, Hidekazu Minami, other

5/20, **J174-P007**

Geomorphic Image Map from the high resolution DEM of 2 periods-A case study to express ground deformation caused by earthquake -
Sakae Mukoyama, Norichika Asada

5/20, **J174-P008**

Landscape representation of Musashino plateau
Takafumi Akashi, Takashi Morita

J175: (Biogeochemistry)

oral 202

5/21, 13:45-14:00, **J175-001**

Variations in Sr and Nd isotopic ratio of surface dust on mountain glaciers in Asia and Alaska
Naoko Nagatsuka, Takanori Nakano, Nozomu Takeuchi

5/21, 14:00-14:15, **J175-002**

Experimental study to show the rapid incorporation of Asian dust to the terrestrial biogeochemical cycle
Atsushi Nagamine, Tasuku Akagi

5/21, 14:15-14:30, **J175-003**

Carbon and hydrogen isotope fractionation by methane production in co-culture between fermenters and hydrogenotrophic methanogens
Shohei Hattori, Hiroyuki Kimura, Hiroaki Nashimoto, other

5/21, 14:30-14:45, **J175-004**

Effect of environmental changes in national scale on nitrogen mineralization rate in forest surface soils
Hideaki Shibata, Hiroto Toda, Yoshiyuki Inagaki, other

5/21, 14:45-15:00, **J175-005**

Response of soil N mineralization and nitrification to N additions in three subtropical forests in southern China
Fang Yunting

5/21, 15:00-15:15, **J175-006**

Analysis on DOC transformation in a forested catchment using carbon stable isotope signature
Nobuhito Ohte, Yoh Takahashi, Masayuki Itoh, other

5/21, 15:30-15:45, **J175-007**

Nitrate pollution and acidification of the tea field located at Southern part of Shizuoka prefecture
Shogo Kamiya, Kenichi Satake

5/21, 15:45-16:00, **J175-008**

Wind effect on the stream

water chemistry in the upstream of the Ara River
Yu Tabayashi, Masumi Yamamuro

5/21, 16:00-16:15, **J175-009**

Effect of nitrogen deposition on nitrogen output from the forested ecosystems
Noriko Oura, Junko Shindo, Hideshige Toda

5/21, 16:15-16:30, **J175-010**

Applications and improvements in hydrological structure of an existent biogeochemical model in forested catchments
Masanori Katsuyama, Hideaki Shibata, Keitaro Fukushima, other

5/21, 16:30-16:45, **J175-011**

Numerical simulation of dissolved iron productivity in the Amur River basin under different land-cover change scenarios
Takeo Onishi, Muneoki Yoh, Hideaki Shibata, other

5/21, 16:45-17:00

Discussion

J175: (Biogeochemistry) poster Convention Hall

5/20, **J175-P001**

Nitrogen content and its historical change in the bark of Japanese Cedar *Cryptomeria japonica*
Tasuku Fukumoto, Kenichi Satake

5/20, **J175-P002**

¹⁵N natural abundance of Hinoki cypress and the available nitrogen in soils
yu Takebayashi, Keisuke Koba, Muneoki Yoh

5/20, **J175-P003**

Seasonal variation in nitrate reductase activity of oak seedlings and Sasa
Karibu Fukuzawa, Miki Ueda, Naoko Tokuchi

5/20, **J175-P004**

Effects of clear cutting on soil properties in a mature *Cryptomeria japonica* forest
Yoshiyuki Inagaki, Shigeo Kuramoto, Shiro Okuda

5/20, **J175-P005**

Soil N and C dynamics changes along stand age in a forest ecosystem in central Japan
Naoko Tokuchi, Keitaro Fukushima, Hirotsugu Arai

5/20, **J175-P006**

Nitrous Oxide Emission from Nitrogen Saturated Forest
Junko Ikutani, Keisuke Koba, Muneoki Yoh

5/20, **J175-P007**

Measurement of dissolved dinitrogen / argon ratio by Membrane Inlet Mass Spectrometry
Chisato Kashiwabara, Keisuke Koba, Yuji Sasaki, other

5/20, **J175-P008**

Nitrate and phosphate dynamics in the mountain stream
Yohichi Tanio, Nobuhito Ohte, Masamitsu Fujimoto, other

5/20, **J175-P009**

The amount of phosphorus and nitrogen compounds from feces of cormorant and biogeochemical cycles in a pond
Yamada-Onuma
Atsuko Iwasaki, Kazuya Chiba, Kenichi Satake

5/20, **J175-P010**

Two dimension hydrogen sulfide analysis using Vinyl tape containing lead compound at sulfide hot springs
manami cho, Kenichi Satake

J231: (History and Philosophy of Geosciences) oral 202

5/17, 10:45-11:00, **J231-001**

Time concept of geologist Charles Darwin

Michiko Yajima

5/17, 11:00-11:15, **J231-002**

Is it Possible to Describe the History of Geophysics?: Geophysics Institutionalized in Japanese Universities, 1918-1958

Toshihiro Yamada

5/17, 11:15-11:30, **J231-003**

The Dispute on a BigTokyo Earthquake between Dr.Oomori and Dr.Imamura

Jiro Tomari

5/17, 11:30-11:45, **J231-004**

The Consequences of the 1939 Erzincan Earthquake, Turkey

Shuhei Kimura

5/17, 11:45-12:00, **J231-005**

Building stone marbles in Japan: the historic buildings in Japan and the marble localities

Mutsuko Inui

5/17, 12:00-12:15, **J231-006**

Galileo Galilei and Johannes Kepler in 1609: Consideration of the International Year of Astronomy 2009

Hiroo Mizuno

J231: (History and Philosophy of Geosciences)

no poster

J232: (Earthquake disaster reduction)

oral 304

5/21, 10:45-11:00, **J232-001**

Co-seismic landslides induced by the 2008 Wenchuan Mw 7.9 earthquake, as revealed by ALOS PRISM and AVNIR2 imagery data

Zhikun Ren, Aiming Lin

5/21, 11:00-11:15, **J232-002**

Inversion of fault-slips of the Great Wenchuan earthquake based on ALOS/PALSAR information

Ken Xiansheng Hao, Taku Ozawa, Hongjun Si, other

5/21, 11:15-11:30, **J232-003**

Tectonic relives and active submarine faults in the eastern marginal area of the Sado Basin

Mitsuhisa Watanabe, Takashi Nakata, Yasuhiro Suzuki

5/21, 11:30-11:45, **J232-004**

The origin of the ruptures on the slope caused by the Iwate-Miyagi Nairiku Earthquake 2008, estimated from analysis of LiDAR DEMs

Sakae Mukoyama, Toshiyuki Baba, Norichika Asada

5/21, 11:45-12:00, **J232-005**

Basic countermeasure of Shin-kansen to meet active fault with high activity

toshiro okamoto

5/21, 12:00-12:15, **J232-006**

Expression and application of uncertain informations about active faults

Toshikazu Yoshioka

J232: (Earthquake disaster reduction)

poster Convention Hall

5/20, **J232-P001**

Characteristics of active fault in the focal area of the 2008 Sichuan Earthquake

Yasuhiro Kumahara, Takashi Nakata, Yasuhiro Suzuki, other

5/20, **J232-P002**

Continuation of Submarine Active Faults in Sagami and Suruga Bays towards Inland Area

Takashi Nakata, Mitsuhisa Watanabe, Yasuhiro Suzuki, other

5/20, **J232-P003**

Estimation method from inaccurate paleoseismic activity data of an average activity interval and seismic potential
Yutaka Hayashi

J233: (Advances in inversion techniques)
oral Exhibition hall 7 sub

5/18, 09:00-09:15, **J233-001**

An application of Independent Component Analysis to discover knowledge about the propagation mechanism of Pi 2 magnetic pulsations

Terumasa Tokunaga, Akimasa Yoshikawa, Teiji Uozumi, other

5/18, 09:15-09:30, **J233-002**

Use of CNA in the generalized aurora computed tomography

Yoshimasa Tanaka, Takehiko Aso, Kunio Tanabe, other

5/18, 09:30-09:45, **J233-003**

An evolutionary algorithm optimizes boundary condition and parameter in an ocean tide model

Daisuke Inazu, Tomoyuki Higuchi, Kazuyuki Nakamura

5/18, 09:45-10:00, **J233-004**

Ionospheric-Plasmaspheric Tomography over Japan with Constrained Least-squares Method for GPS-TEC data

Akinori Saito, Hideki Eto, Takuya Tsugawa, other

5/18, 10:00-10:30, ***J233-005**

Geophysical Data Inversion: From the Least Squares Method to a Bayesian Approach

Mitsuhiro Matsu'ura

5/18, 10:45-11:15, ***J233-006**

Dynamic Integration of Observation Data using Data Assimilation

Yoichi Ishikawa

5/18, 11:15-11:30, **J233-007**

Constraining interplate frictional parameters using limited terms of observation data; a preliminary test for data assimilation

Noa Mitsui, Takane Hori, Shin'ichi Miyazaki, other

5/18, 11:30-11:45, **J233-008**

Impacts of GPS derived PWV Data Assimilation on Mesoscale Numerical Weather Prediction

Yoshinori Shoji, Masaru Kunii, Kazuo Saito

5/18, 11:45-12:00, **J233-009**

Inversion of ground magnetic data to estimate ionospheric currents

Akimasa Ieda, Yohsuke Kamide

5/18, 12:00-12:15, **J233-010**

Covariance regularization in inverse space: For large-dimensional matrices

Genta Ueno

J233: (Advances in inversion techniques)
poster Convention Hall

5/18, **J233-P001**

Application of adjoint method to a two-degree-of-freedom fault model: an identical twin experiment using synthetic afterslip data

Masayuki Kano, Shin'ichi Miyazaki, Kosuke Ito

5/18, **J233-P002**

Nested particle filter algorithm for data assimilation in parallel computing systems

Shin'ya Nakano, Genta Ueno, Kazuyuki Nakamura, other

5/18, **J233-P003**

The HH(Hula-Hoop Rotation-Revolution) Model indicate Resonance relation between Revolution of the Planet and Rotation of the Sun

Hiromasa Hayashi

J234: (Geoinformatics)
oral Exhibition Hall

5/21, 10:45-10:55, **J234-001**

International geoinformation managements to date

Ryoichi Kouda

5/21, 10:55-11:15, ***J234-002**

Development of a new Data Search Service using Web GIS for the Marine-Earth Observation Data

Yasunori Hanafusa, Yoshimasa Abe

5/21, 11:15-11:35, ***J234-003**

Introduction of the AGROPEDIA

Keiko Watanabe

5/21, 11:35-11:50, **J234-004**

International standards, are there any need necessity to mention it on the earth and planet science?

Yuichiro Fusejima

5/21, 11:50-12:00, **J234-005**

Development of Web-GIS system for 3-D geological information using open standard

Tatsuya Nemoto, Katsumi Kimura

5/21, 12:00-12:10, **J234-006**

Activity of the Geoscience Information Consortium and geoinformation management in foreign geological survey organizations

Keiichi Sakaguchi, Ryoichi Kouda

5/21, 12:10-12:15

Introduction of Poster Presentation

J234: (Geoinformatics) poster Convention Hall

5/20, **J234-P001**

Meaning and use of geological features glossary rough draft

Yoshiharu Nishioka

5/20, **J234-P002**

Integrated WEB system of metadata for data integration of coastal area.

yumi amemiya, Toshiaki Ueki, Ryoichi Kouda

5/20, ***J234-P003**

On the Utilization and its Management of Marine Geoscientific Information- Moves and Hopes for the Future

Kiyoyuki Kisimoto

J235: (Meteorite anatomy)

oral Exhibition Hall

5/17, 13:45-14:00, **J235-001**

Crystallography of minute minerals in meteorites by using FEG-SEM equipped with electron back-scatter diffraction (EBSD) detector

Takashi Mikouchi

5/17, 14:00-14:15, **J235-002**

A unique amoeboid olivine aggregate in Y-86009 CV3 chondrite.

Mutsumi Komatsu, Takashi Mikouchi, Tomoko Arai, other

5/17, 14:15-14:30, **J235-003**

Implications of occurrences of silica for the origin and metamorphism of enstatite chondrites

Sho Kataoka, **Timothy Fagan**, Shoichi Itoh, other

5/17, 14:30-14:45, **J235-004**

The zoned melilite in Fluffy Type A CAI from Vigarano meteorite

Juri Katayama, Shoichi Itoh, Hisayoshi Yurimoto

5/17, 14:45-15:00, **J235-005**

Petrology and oxygen isotopic composition of a compound CAI from Allende meteorite

Shigeyuki Wakaki, Shoichi Itoh, Tsuyoshi Tanaka, other

5/17, 15:00-15:15, **J235-006**

Numerical anatomy for crystallization of chondrule melt

Hitoshi Miura, Etsuro Yokoyama, Katsuo Tsukamoto, other

5/17, 15:30-15:45, **J235-007**

Extensive pyrolysis survey of chondritic meteorites: Organic molecular indicators of secondary process

Hikaru Yabuta, George Cody, Conel Alexander

5/17, 15:45-16:00, **J235-008**

Stable isotope variation of carbonates and organic matters with relevance to textures in the Murchison meteorite

Shin Tsutsui, Fumio Kitajima, Hiroshi Naraoka

5/17, 16:00-16:15, **J235-009**

Kinetics of the thermal decomposition of organic matter within Murchison meteorite for evaluating parent body thermal history

Yoko Kebukawa, Satoru Nakashima, Michael Zolensky

5/17, 16:15-16:30, **J235-010**

Survey of D-rich organic matters in NWA801 CR2 chondrite

Minako Hashiguchi, Sachio Kobayashi, Hisayoshi Yurimoto

5/17, 16:30-16:45, **J235-011**

Presolar Grains in Primitive Enstatite Chondrites

Shingo Ebata, Hisayoshi Yurimoto

5/17, 16:45-17:00, **J235-012**

Development of SCAPS-II ion imager

Naoya Sakamoto, Satoshi Aoyama, Shoji Kawahito, other

J235: (Meteorite anatomy) poster Convention Hall

5/16, **J235-P001**

Structural analysis of the carbonaceous materials in the Allende meteorite: Raman spectroscopy and TEM observation

Kazuhiko Morishita, Masayuki Nara, Sachiko Amari, other

5/16, **J235-P002**

Development of ion imaging system capable of single ion detection

Kosuke Yamamoto, Naoya Sakamoto, Hisayoshi Yurimoto

J236: (Evolution of the Pelagic Realm) oral 201A

5/18, 13:45-14:00, **J236-001**

Depositional environment related to Paleo-Tethys opening during Devonian

Hidetoshi Hara, Junichiro Kuroda, Toshiyuki Kurihara, other

5/18, 14:00-14:15, **J236-002**

Trace element and Os isotopic compositions of deep-sea sedimentary rocks across the Permian-Triassic boundary

Yasuhiro Kato, Koichiro Fujinaga, Katsuhiko Suzuki, other

5/18, 14:15-14:30, **J236-003**

Bottom-water oxygenation condition and surface-water productivity during the Early Triassic based on pelagic sequence in Inuyama

Hironobu Sakuma, Ryuji Tada, Masayuki Ikeda, other

5/18, 14:30-14:45, **J236-004**

Milankovitch Cycles Detected in the middle Triassic Bedded Chert in Inuyama Area, and its Relation with Deep Sea Redox Changes

Masayuki Ikeda, Hironobu Sakuma, Ryuji Tada

5/18, 14:45-15:00, **J236-005**

Deep-sea spherules from Middle Triassic chert in the Chichibu terrane, Japan

Takeshi Haranosono, Tetsuji Onoue, Chika Yasuda

5/18, 15:00-15:15, **J236-006**

Filament chert: bivalve bearing Upper Triassic radiolarite in the North Palawan Block, Philippines

Tetsuji Onoue, Takashi Nikaido, Lawrence R. Zamoras, other

5/18, 15:30-15:45, **J236-007**

Striped cherts in Jurassic accretionary complexes in the Mino Terrane, central Japan and in the North Palawan Block, Philippines

Atsushi Matsuoka, Takashi Nikaido, Tetsuji Onoue, other

5/18, 15:45-16:00, **J236-008**

Characteristics of the Late Jurassic radiolarians

Naoto Ishida

5/18, 16:00-16:15, **J236-009**

Late Campanian radiolarian fossils from the Izumi Group in the southwestern part of Awaji Island

Kohei Yoshino, Atsushi Matsuoka

5/18, 16:15-16:30, **J236-010**

Seasonal faunal change of living radiolarians in surface-subsurface waters of the Japan Sea off Sado Island, central Japan

Toshiyuki Kurihara, Atsushi Matsuoka

5/18, 16:30-16:45, **J236-011**

Role of the Bering Strait in radiolarian biogeography

Takuya Itaki

5/18, 16:45-17:00, **J236-012**

Some problems on a Mathematical Model of Skeleton of Spherical Radiolaria

Takashi Yoshino, Atsushi Matsuoka, Toshiyuki Kurihara, other

J236: (Evolution of the Pelagic Realm) poster Convention Hall

5/18, **J236-P001**

Milankovitch cycles detected from bedded chert sequence, Inuyama area, Mino Terrane, and cyclostratigraphy

Masayuki Ikeda, Hironobu Sakuma, Ryuji Tada

5/18, **J236-P002**

Redox history of the Phanerozoic ocean based on the Re-Os ages of Besshi-type massive sulfide deposits in the Sanbagawa Belt

Tatsuo Nozaki, Yasuhiro Kato, Katsuhiko Suzuki

5/18, **J236-P003**

Radiolarian biostratigraphy and striped chert of the Sakahogi section in the Mino Terrane, Japan

Takashi Nikaido, Atsushi Matsuoka

5/18, **J236-P004**

Internal structure of the Ryokami-yama chert unit of the Kanto Mountains, central Japan

Tsuyoshi Ito, Atsushi Matsuoka

5/18, **J236-P005**

Lithostratigraphy and radiolarian ages of the Northern Chichibu Belt in the north-west part of the Kanto Mountains

Shinichi Kokubo, Atsushi Matsuoka

J237: (Ontake Volcano) oral Exhibition hall 7 sub

5/18, 13:45-14:00, ***J237-001**

30 years from the 1979 eruption of the Ontake volcano

Fumiaki Kimata

5/18, 14:00-14:15, **J237-002**

Change in volcanic activity at Ontake volcano in relation with seismicity

Fumihito Yamazaki

5/18, 14:15-14:30, **J237-003**

Hypocenter distribution at Mt. Ontake before the 2007 small eruption

Yu Hashida, Haruhisa Nakamichi, Fumiaki Kimata, other

5/18, 14:30-14:45, **J237-004**

Helium isotope variations around Ontake volcano

Yuji Sano, Kaoru Kiyota, Naoto Takahata, other

5/18, 14:45-15:00, **J237-005**

Recent eruptive history of Younger Ontake volcano, Japan

Yusuke Suzuki, Tatsuro Chiba, Hiroshi Kishimoto, other

5/18, 15:00-15:15, **J237-006**

Recent volcanic history of Ontake Volcano, central Japan

Teruki Oikawa, Mitsuru Okuno

5/18, 15:30-15:45, **J237-007**

Structure and Stress Field in the Western Nagano Prefecture Region-by the Dense Seismic Observation -

Yoshihisa Iio, Shigeki Horiuchi, Yohei Yukutake, other

5/18, 15:45-16:00, **J237-008**

Static stress drop of microearthquakes in the Western Nagano Prefecture region

Yuuki Sasaki, Yoshihisa Iio, Shigeki Horiuchi, other

5/18, 16:00-16:15, **J237-009**

Estimation of Vp/Vs ratio in the Western Nagano

Masaya Takeuchi, Atsuki Kubo, Yoshihisa Iio, other

5/18, 16:15-16:30, **J237-010**

Resistivity structure around the southern-eastern and eastern foot of Mt. Ontake, central Japan

Takafumi Kasaya

5/18, 16:30-16:45, **J237-011**

Dense AMT/MT observations around the focal region of the 1984 Western Nagano Earthquake

Ryokei Yoshimura, Naoto Oshiman, Takafumi Kasaya, other

5/18, 16:45-17:00, **J237-012**

Origin of fluid causing earthquake swarms at southeastern foot of Ontake volcano

Yoshiro Nishio, Kei Okamura, Yuji Sano

J237: (Ontake Volcano)

no poster

J238: (I*Y projects/Japan-Africa)

oral 201B

[Presentation in English]

5/21, 13:45-13:55, **J238-001**

IHY Activities in Japan

Kiyohumi Yumoto, Kiyohumi Yumoto STPP Sub-Committee

5/21, 3:55-14:05, **J238-002**

MAGDAS Project at SERC for Space Weather

Kiyohumi Yumoto, Yumoto Kiyohumi MAGDAS/CPMN Group

5/21, 14:05-14:20, ***J238-003**

REVIEW OF INTERNATIONAL HELIOPHYSICAL YEAR IN AFRICA AND FUTURE PLANS

Akeem Babatunde Rabi

5/21, 14:20-14:30, **J238-004**

SIGNATURE OF EQUATORIAL ELECTROJET OVER WEST AND EAST AFRICA FROM MAGDAS OBSERVATIONS

Akeem Babatunde Rabi, Kiyohumi Yumoto, Yosuke Yamazaki, other

5/21, 14:30-14:45, **J238-005**

Broadband seismic deployments in Antarctica: IPY contribution to lithosphere and Earth's interior of Gondwana supercontinent

Masaki Kanao

5/21, 14:45-15:00, **J238-006**

EISCAT observations during the International Polar Year

Yasunobu Ogawa, Hiroshi Miyaoka, Ryoichi Fujii, other

5/21, 15:00-15:15, ***J238-007**

MADGAS Project: a contribution to the Equatorial Geophysics studies

Olivier K. Obrou

5/21, 15:30-15:45, **J238-008**

Current and future of the optical mesosphere thermosphere imagers (OMTIs) and STEL magnetometers
Kazuo Shiokawa, Yuichi Otsuka

5/21, 15:45-16:00, **J238-009**

MAGDAS-II System Development
Shuji Abe, Teiji Uozumi, Akiko Fujimoto, other

5/21, 16:00-16:15, **J238-010**

Preliminary Results of MAGDAS II Data from 96 MM Stations in Africa
Emad Moris Henry Takla, Kiyohumi Yumoto, Maria Gracita C. Cardinal, other

5/21, 16:15-16:30, ***J238-011**

Study of ionospheric scintillations and total electron content at a terrestrial point within equatorial anomaly region
Sola Rufus Fayose, Akeem Babatunde Rabi

5/21, 16:30-16:45, **J238-012**

eGY activities and their followup
Mamoru Ishii, Toshihiko Iyemori, Ken T. Murata, other

5/21, 16:45-17:00, **J238-013**

New space weather forecast centers of International Space Environment Service (ISES) in southern hemisphere
Shinichi Watari

J238: (I*Y projects/Japan-Africa)

no poster

J239: (Earthquake Light)

oral 202

5/21, 10:45-11:00, **J239-001**

Re-evaluation on earthquake lights at Matsushiro earthquake swarm
Yuzo Ishikawa

5/21, 11:00-11:10, **J239-002**

Eyewitness report of earthquake light in M7.2 Kobe earthquake
Hide Sakaguchi

5/21, 11:10-11:20, **J239-003**

Luminous phenomena in 2001 Shizuoka Earthquake (M5.1), Japan
Yoichi Noda, Masashi Kamogawa, Toshiyasu Nagao

5/21, 11:20-11:30, **J239-004**

Luminous phenomena in 2007 Mw8.0 Peru earthquake
Masashi Kamogawa, Minjoun Lee, Persida Gomez, other

5/21, 11:30-11:45, **J239-005**

Phenomenon of fire columns accompanied with the Ansei(1854) and the Showa(1946) Nankai Earthquakes
Yoshinobu Tsuji

5/21, 11:45-12:00, **J239-006**

Frictional discharges by rock friction and seismo-electromagnetic phenomena
Jun Muto, Hiroyuki Nagahama, Takashi Miura, other

5/21, 12:00-12:15, **J239-007**

Modelling of source mechanism for EQL
Yuji Enomoto

J239: (Earthquake Light)

no poster

J240: (slab-derived fluids)

oral Function Room B

5/16, 09:00-09:20, ***J240-001**

Deep slow earthquakes along the subducting plate and fluid
Kazushige Obara

5/16, 09:20-09:34, ***J240-002**

An estimate of water fraction in fluid-fluxed mantle melting for arc basalts using Arc Basalt Simulator version 2 (ABS2) model

Jun-Ichi Kimura, Bradley Hacker, Peter van Keken, other

5/16, 09:34-09:48, ***J240-003**

Water-rich island arc basalt magma inferred from high hydrogen content in anorthite-rich plagioclase

Morihisa Hamada, Tatsuhiko Kawamoto, Toshitsugu Fujii

5/16, 09:48-10:02, ***J240-004**

Evidence for over pressured fluids within the subducting Philippine sea plate inferred from anomalous vp/vs ratios

M Ravi Kumar, **Hitoshi Kawakatsu**, Bostock Michael

5/16, 10:02-10:16, ***J240-005**

Dehydration weakening of serpentine and its roles in seismogenic processes in subducting slabs

Ichiko Shimizu, Yuta Watanabe, Katsuyoshi Michibayashi

5/16, 10:16-10:30, ***J240-006**

Insights into volatile recycling at subduction zones from noble gases and halogens in wedge mantle peridotite

Hirochika Sumino, Tomoyuki Mizukami, Simon Wallis

5/16, 10:45-10:59, ***J240-007**

Slab dehydration in the continental convergent zone-Hindu Kush and Burma -

Tetsuzo Seno, Hafiz Ur Rehman

5/16, 10:59-11:13, ***J240-008**

Fluids in the mantle wedge beneath a volcanic front: an example from Avacha peridotite xenoliths, Kamchatka arc

Satoko Ishimaru, Shoji Arai, Tatsuhiko Kawamoto, other

5/16, 11:13-11:27, ***J240-009**

In situ Raman spectroscopic investigation of the structure of subduction-zone fluids up to 900 deg C and 2.3 GPa

Kenji Mibe, I-Ming Chou, William A. Bassett

5/16, 11:27-11:41, ***J240-010**

Rehydration metamorphism of the Iratsu eclogite mass in the Sambagawa metamorphic belt

Tatsu Kuwatani, mitsuhiro toriumi

5/16, 11:41-11:55, ***J240-011**

Comparative Geoelectromagnetism of Island Arcs

Hiroaki TOH

5/16, 11:55-12:15, ***J240-012**

Dehydration-earthquake-temperature link in subducted slab and its implication to fluid in the subduction zones

Soichi Omori, Saeko Kita, Junichi Nakajima, other

5/16, 13:45-13:59, ***J240-013**

Anomalous deepening of Upper-plane seismic belt of double seismic zone beneath Hokkaido corner: Shielding effect of sliver material

Saeko Kita, Tomomi Okada, Akira Hasegawa, other

5/16, 13:59-14:19, ***J240-014**

Generation mechanism of intraslab earthquakes -Verification of dehydration embrittlement hypothesis from seismic observations-

Junichi Nakajima, Akira Hasegawa

5/16, 14:19-14:33, ***J240-015**

An interpretation on the characteristic electrical conductivity structures of the various subduction types

Masahiro Ichiki, Kiyoshi Fuji-ta, Makoto Uyeshima

5/16, 14:33-14:47, ***J240-016**

Estimation of slab fluid contribution using Boron: Subduction influence of Philippine Sea plate on the mantle beneath Kyushu

Masaya Miyoshi, Toshiaki Hasenaka, Takashi Sano, other

5/16, 14:47-15:01, **J240-017**

A new perspective on subduction zone magmatism from the viewpoint of dehydration embrittlement hypothesis

Tetsu Kogiso, Soichi Omori, Shigenori Maruyama

5/16, 15:01-15:15, ***J240-018**

Contribution of slab-fluid in arc magmas beneath adjacent Japan arcs

Hitomi Nakamura, Hikaru Iwamori

5/16, 15:30-15:44, ***J240-019**

Terrestrial heat flow distribution in Japan area based on the temperature logging in the borehole of NIED Hi-net

Takumi Matsumoto

5/16, 15:44-15:58, ***J240-020**

Miocene felsic igneous rocks in Kii peninsula: as a background for the current geological processes

Hironao Shinjoe, Tomoaki Sumii, Yuji Orihashi, other

5/16, 15:58-16:12, ***J240-021**

Slab-derived fluid distribution beneath Kii Peninsula inferred from receiver function analysis

Takuo Shibutani, Yuta Kitawaki, setsuro Nakao, other

5/16, 16:12-16:26, ***J240-022**

The origin of the Arima-type brine: Implications for the possible link between slab-derived fluid and non-volcanogenic hot springs

Chiho Kusuda, Hikaru Iwamori, Kohei Kazahaya, other

5/16, 16:26-16:40, ***J240-023**

Electrical resistivity structure around the subducting plate beneath the Kii peninsula

Naoto Oshiman, Ryohei Yoshimura, Yu Takagi, other

5/16, 16:40-17:00, ***J240-024**

Relation between water associated with plate subduction and deep LFEs and the 410-km non-equilibrium phase transformation

Shoichi Yoshioka

J240: (slab-derived fluids) poster Convention Hall

5/16, ***J240-P001**

Understanding the slab-derived fluids

Tatsuhiko Kawamoto, Yoshihisa Iio, Hitomi Nakamura, other

5/16, ***J240-P002**

Possible effects of frictional healing on slow slip events occurrences -Quest for a fundamental effect of dehydrated fluid-

Yuta Mitsui, Kazuro Hirahara

5/16, ***J240-P003**

An attempt to reveal the origin of deep-crustal fluid beneath concentrated deformation zone in island arc

Yoshiro Nishio

5/16, ***J240-P004**

Silica enrichment and related phenomena in mantle peridotite massifs due to infiltration of slab-derived components

Tomoaki Morishita, Akihiro Tamura, Shoji Arai

5/16, **J240-P005**

Diamond formation at mantle-friendly temperature condition

Masami Kanzaki

J241: (Kanto Asperity) oral 302

5/19, 15:30-15:35

Introductory talk

5/19, 15:35-15:47, **J241-001**

Objectives of monitoring in the Kanto Asperity Project

Reiji Kobayashi

5/19, 15:47-15:59, **J241-002**

Geological and Tectonic prospect for the Kanto Asperity Project

Yuzuru Yamamoto, Reiji Kobayashi, Masanobu Shishikura

5/19, 15:59-16:11, **J241-003**

History and fault models of paleo-earthquake along the Sagami Trough -Review and prospects of off-shore shallow drilling in KAP-

Masanobu Shishikura

5/19, 16:11-16:26, **J241-004**

Deep structure off Boso region investigating with multichannel seismic reflection profiles

Seiichi Miura, Narumi Takahashi, Shuichi Kodaira, other

5/19, 16:26-16:41, **J241-005**

Development of slope failures at the frontal thrust of an accretionary prism

Yasuhiro Yamada, Yuzuru Yamamoto, Yoshihiko Yamashita

5/19, 16:41-16:56, **J241-006**

Lateral and vertical sequence of submarine landslide at subduction margins: geological and physical model

Yuzuru Yamamoto, Yasuhiro Yamada, Tadahiro Shibata, other

5/19, 16:56-17:00

Discussion

J241: (Kanto Asperity) poster Convention Hall

5/18, **J241-P001**

Active structure in the eastern Sagami Bay

Ayanori Misawa, Yasuyuki Nakamura, Masataka Kinoshita, other

5/18, **J241-P002**

2-dimensional electrical resistivity structure in the southern part of Boso Peninsula, Japan

Makoto Harada, Nobuhiro Isezaki, Katsumi Hattori

5/18, **J241-P003**

Pliocene-Present tectonic evolution of the forearc region near the triple trench junction of the central Boso Peninsula, Japan

Makoto Otsubo

5/18, **J241-P004**

Analysis of pseudotachylyte-like fault material discovered in the Boso peninsula

Yohei Hamada, Tetsuro Hirono

5/18, **J241-P005**

Offshore rupture area of the 1703 Genroku earthquake inferred from tsunami heights from historical documents

Yuichi Namegaya, Masanobu Shishikura, Kenji Satake

J242: (Coral Reefs)

oral 101

5/16, 13:45-14:00, **J242-001**

Spatio-temporal variation of groundwater discharge and related water quality in the nearshore Shiraho Reef, Ishigaki Island

Ariel Blanco, **Atsushi Watanabe**, Kazuo Nadaoka, other

5/16, 14:00-14:15, **J242-002**

Production and decomposition of dissolved organic matter in Shiraho coral reef (Ishigaki Island, Japan)

Yasuaki Tanaka, Toshihiro Miyajima, Hiroshi Ogawa

5/16, 14:15-14:30, **J242-003**

Release of coral mucus by Acropora corals and its influence on the heterotrophic bacteria

Ryota Nakajima, Tatsuki Toda

5/16, 14:30-14:45, **J242-004**

Distribution of the storm wave boulders at the Ryukyu Island chain, Japan

Kazuhisa Goto, Kiyohiro Okada, Fumihiko Imamura

5/16, 14:45-15:00, **J242-005**

Numerical evaluation of the coral damages by the 2004 Indian Ocean tsunami at Similan Islands, Thailand

Hideki Kawamata, Kazuhisa Goto, Fumihiko Imamura

5/16, 15:00-15:15, **J242-006**

Sedimentary Structure and Development of Holocene Reef, Majuro Atoll, Marshall Islands
Hironobu Kan, Atsushi Suzuki, Yusuke Yokoyama, other

5/16, 15:30-15:45, **J242-007**

Habitat expansion strategies of corals on reef slope and flat inferring from spatial patterns of coral colonies
Takashi Nakamura, Toru Nakamori

5/16, 15:45-16:00, **J242-008**

Effect of reactive oxygen species on coral bleaching
Tomihiko Higuchi, Hiroyuki Fujimura, Takemitsu Arakaki, other

5/16, 16:00-16:15, **J242-009**

Projected effects of global warming on coral reefs in seas close to Japan
Yumiko Yara, **Masahiko Fujii**, Yasuhiro Yamanaka, other

5/16, 16:15-16:30, **J242-010**

Mid-Holocene South China Sea Paleoceanographic reconstruction using records of corals from the Philippines coast
Tatsuya Kobayashi, Yusuke Yokoyama, Atsushi Suzuki, other

5/16, 16:30-16:45, **J242-011**

U/Ca ratio as a paleo ocean carbonate chemistry
Tamotsu Oomori

5/16, 16:45-17:00, **J242-012**

Effects of increased CO₂ on growth and trace elements of the coral polyp skeletons
Mayuri Inoue, Ryota Suwa, Akira Iguchi, other

J242: (Coral Reefs) poster Convention Hall

5/16, **J242-P001**

Biogeochemical processes of trace metals from seawater to bivalve with symbiotic zooxanthellae
Akihide Itoh

5/16, **J242-P002**

Subtropical Ogasawara coral reveals abrupt early 20th century freshening in the western North Pacific
Thomas Felis, **Atsushi Suzuki**, hodaka kawahata

5/16, **J242-P003**

Species composition, distribution and abundance of butterflyfish relative to reef substrate types in Djibouti
Shingo Takeda, Tatsuki Toda

J243: (Mass Transport and Environmental Assessm) [Presentation in English] oral 202

5/20, 10:45-11:00, **J243-001**

Characterization of Near Surface Soil Moisture Variability Using Ground Wave of Surface GPR
Baby Pallavi, Hirotaka Saito, Makoto Kato

5/20, 11:00-11:15, **J243-002**

Effects of global warming on moisture and temperature profile of vadose zone in western Tokyo
Chihiro Kato, Taku Nishimura, Tsuyoshi Miyazaki, other

5/20, 11:15-11:30, ***J243-003**

Time to Change the Way we Collect and Analyze Data for Characterizing the Subsurface
Tian-Chyi Jim Yeh

5/20, 11:30-11:45, **J243-004**

Some perspectives on modeling vadose zone flow and transport processes
Nobuo Toride, Hirotaka Saito, Simunek Jirka, other

5/20, 11:45-12:00, **J243-005**

Increase in Soil Hydrophobicity and Change in Organic Matter Content of Organic Andisol under Soil Surface Burning
ATSUKO OBUCHI, Masaru Mizoguchi, Taku Nishimura, other

5/20, 12:00-12:15, **J243-006**

Effect of Soil Properties and Environmental Conditions on the residual Gasoline and Gasoline components volume under ground

Junko Nishiwaki, Yoshishige Kawabe, Yasuhide Sakamoto, other

**J243: (Mass Transport and Environmental Assessm) [Presentation in English]
poster Convention Hall**

5/19, **J243-P001**

Optimizing Remediation Process of Contaminated Soils by Controlling Nutrient Injection Rate.

Yasushi Mori

5/19, **J243-P002**

Development of toxicity evaluation method on petroleum hydrocarbons by bioassay with luminous bacteria: on alcohols and alkanes

Hajime Sugita, Takeshi Komai

5/19, **J243-P003**

Enhancing bio-remediation by controlling nutrient distribution area in contaminated soils

Atsushi Fujihara, Yasushi Mori

5/19, **J243-P004**

Gas penetration characteristics of a water-saturated rock as evaluated by the gas breakthrough method

Naoki Nishiyama, Tadashi Yokoyama, Shingo Takeuchi, other

5/19, **J243-P005**

Integrated Approaches for Enhancing the Efficiency and Applicability of Electro-Kinetic(EK) Remediation Technology

Ming Zhang, Takeshi Komai, Akira Ono, other

5/19, ***J243-P006**

Geochemical reaction and migration model of toxic heavy metals in contaminated soils

Junko Hara

5/19, **J243-P007**

Radiological Risk Assessment and Communication: Open the Way to Public Acceptance of Geological Disposal

Ming Zhang, Takeshi Komai

5/19, **J243-P008**

Applicability of simplified analytical models to single-well permeability tests

Mikio Takeda, Tsuyoshi Hiratsuka, Ming Zhang

5/19, **J243-P009**

Direct determination of water-table depths and EM wave velocities using multiple offset GPR profiling data in peatland Serika Matsushima, **Hiroataka Saito**, Kei Asada, other

5/19, **J243-P010**

Long-term monitoring of nitrate leaching after N addition from the forested watershed composed of Japanese cedar and cypress

Rieko Urakawa, Hiroto Toda

5/19, **J243-P011**

Relationship between Denitrification Rate and Infiltration Rate in Poned Soil

Satoko Watanabe, Kimihito Nakamura, Shigeto Kawashima

5/19, **J243-P012**

Short-term turnover of stable organic carbon and CO₂ evolution of soils applied with fresh organic matter

Wilfredo Dumale Jr., Tsuyoshi Miyazaki, Taku Nishimura, other

5/19, **J243-P013**

Gravity prospecting for cavities under the subsurface fuel storage tank

Vratislav Blecha

5/19, **J243-P014**

Adsorption-Desorption Behavior of 2,4-Dichlorophenoxyacetic Acid in a Volcanic Ash Soil

Mon Ei Ei, Anu Sharma, Ken Kawamoto, other

5/19, ***J243-P015**

A Two-Independent-Region Model for Gas Diffusivity of Aggregated, Unsaturated Soil

Augustus Resurreccion, Moldrup Per, Ken Kawamoto, other

5/19, **J243-P016**

Accounting for surrounding agricultural ditches in groundwater flow modeling at Hokkaido Bibai marsh, Japan
Kaoru Inaba, Hirotaka Saito, Ken Kawamoto, other

5/19, **J243-P017**

Soil Water Repellency in Heat-Treated Volcanic Ash Soils
Tshering Chhoden, Anurudda Karunarathna, Ken Kawamoto, other

5/19, **J243-P018**

Mobilization and Leaching of Colloidal Particles in Repacked Okinawa Red-Yellow Soil Columns
Taiki Hirata, Ken Kawamoto, Kelum Chamindu D.T.K, other

5/19, **J243-P019**

Estimation of unsaturated hydraulic properties of peat soils from evaporation method and multi-step outflow method
Kei Asada, Serika Matsushima, Hirotaka Saito, other

5/19, **J243-P020**

Air Conductivity in Undisturbed Japanese soils: Development and tests of predictive models
Yuichi Sugimoto, Shoichiro Hamamoto, Ken Kawamoto, other

5/19, **J243-P021**

Numerical Modeling of Mobilization and Leaching of Natural and Water Dispersible colloids in Aggregated Volcanic Ash Soil Columns
DEEPAGODA.t.k.k CHAMINDU, Ken Kawamoto, Hirotaka Saito, other

5/19, **J243-P022**

Restoration of Cd-contaminated Farmland by the Electrokinetic Method(2)-Removal of Cd from Soil under Constant Current Condition
Tomijiro Kubota, Toshihiko Mieno, Keiji Shiohama, other

5/19, **J243-P023**

Shallow landslides triggered by bedrock-flow-a large flume experiment and field monitoring
Minseok Kim, Yuichi Onda, Erika Seki, other

5/19, **J243-P024**

Use of metal exchanged clay as catalysts in the reaction of acylation of toluene
K.G.I.D. Kumari

5/19, **J243-P025**

A Predictive Model based on Soil Organic Carbon Content for Water Content Dependant Soil Water Repellency
Anurudda Karunarathna, Ken Kawamoto, Moldrup Per, other

5/19, **J243-P026**

Effect of soil compaction on gas transport parameters for a landfill final cover soil
Shoichiro Hamamoto, Yoshiharu Fujiwara, Praneeth Wickramarachchi, other

**J244: (Space sciences using small satellites)
oral 202**

[Presentation in English]

5/18, 13:45-14:00, **J244-001**

Development of a small satellite SOHLA-1 (Maido 1) and its observations
Takeshi Morimoto, Tomoo Ushio, Zen Kawasaki

5/18, 14:00-14:15, **J244-002**

Result of development and early phase operation of Small Demonstration Satellite 1
Yosuke Nakamura

5/18, 14:15-14:30, **J244-003**

The report of the initial result of SWIM on board the SDD-1
Takeshi Takashima, Takashima Takeshi SWIM Development team

5/18, 14:30-14:45, **J244-004**

Report of the development and the initial operation of Tohoku University SPRITE-SAT (RISING)
Yuji Sakamoto, Yukihiro Takahashi, Takeshi Sakanoi, other

5/18, 14:45-15:00, **J244-005**

Development of spaceborne Hyperspectral sensor for small satellites by Space-Science Industries Program
Yoshihide Aoyanagi

5/18, 15:00-15:15, **J244-006**

Development of Circularly Polarized Synthetic Aperture Radar onboard Small Satellite
Josaphat Tetuko Sri Sumantyo

5/18, 15:30-15:45, **J244-007**

Solar power sail demonstration by small interplanetary probe
Ryu Funase, Osamu Mori, Yuichi Tsuda, other

5/18, 15:45-16:00, **J244-008**

SPRINT-A/EXCEED Mission
Munetaka Ueno, Ichiro Yoshikawa, Atsushi Yamazaki, other

5/18, 16:00-16:15, **J244-009**

Geospace exploration by small satellite: ERG project
Takayuki Ono, Yoshizumi Miyoshi, Takeshi Takashima, other

5/18, 16:15-16:30, **J244-010**

Space-borne imaging of the ionosphere, mesosphere, thermosphere and mesosphere in the mid- and low-latitude region
Akinori Saito, Takumi Abe, Takeshi Sakanoi, other

5/18, 16:30-16:45, **J244-011**

Development of the Compact InfraRed Camera (CIRC) for earth observation
Masataka Naitoh, Haruyoshi Katayama, Masahiro Suganuma, other

5/18, 16:45-17:00, **J244-012**

Data distribution of the GPS radio occultation measurements
Naoto Yoshida, Toshitaka Tsuda

**J244: (Space sciences using small satellites)
poster Convention Hall**

[Presentation in English]

5/18, **J244-P001**

Kibo Exposed Facility Second Phase Utilization Plan
Hirohisa Oda

5/18, **J244-P002**

Development of ISS/JEM/IMAP-GLIMS
Makoto Suzuki, Atsushi Yamazaki, Takumi Abe, other

5/18, **J244-P003**

JEM-GLIMS Mission
Tomoo Ushio, Mitsuteru Sato, Makoto Suzuki, other

5/18, **J244-P004**

Development of filter photometers onboard the TARANIS satellite and JEM-GLIMS
Kengo Yoshita, Mitsuteru Sato, Yukihiro Takahashi, other

5/18, **J244-P005**

Observing Earth as an Alien World and the Planet Spectral Library
Ramsey Lundock, Takashi Ichikawa

5/18, **J244-P006**

Miniaturization and Integration of Analog Circuits of Plasma Wave Measurement System for Space Electromagnetic Environment
Hajime Fukuhara, Yuta Mizuochi, Hirotsugu Kojima, other

5/18, **J244-P007**

ELMOS: Seismo-Electromagnetic Observation Satellite Mission
Tetsuya Kodama

**J245: (Eastern Japan Sea Deformation Zone)
oral 302**

5/20, 09:00-09:15, **J245-001**

Multidisciplinary research project on the zones of high strain rate
Kazushige Obara, Toshihiko Kanazawa, Naoshi Hirata, other

5/20, 09:15-09:30, **J245-002**

Deep Seismic profiling of the back-arc fold-and-thrust belt, central Japan

Hiroshi Sato

5/20, 09:30-09:45, **J245-003**

Crustal deformation of the strain concentration zone along the Eastern Japan Sea margin

Takeshi Sagiya GPS Observation Group for the Strain Concentration Zone

5/20, 09:45-10:00, **J245-004**

Large earthquakes along the eastern margin of Japan Sea and a study project on historical records and geological traces

Kenji Satake

5/20, 10:00-10:15, **J245-005**

Quaternary contraction zones along the eastern margin of Japan Sea

Yukinobu Okamura

5/20, 10:15-10:30, **J245-006**

Active Tectonics and tectonic geomorphology of the eastern Japan Sea region

Tatsuya Ishiyama

5/20, 10:45-11:00, **J245-007**

Electrical resistivity imaging in Eastern Japan Sea deformation zone

Hiroshi Ichihara, Makoto Uyeshima, Shin'ya Sakanaka, other

5/20, 11:00-11:15, **J245-008**

Towards Improvement of Strong-motion Evaluation for Earthquakes in Deformation Zone

Hiroyuki Fujiwara, Shigeki Senna, Nobuyuki Morikawa, other

5/20, 11:15-11:30, **J245-009**

Geophysical exploration for petroleum in Japan: Past, present, and future

Takeshi Kozawa, Akihisa Takahashi

5/20, 11:30-11:45, ***J245-010**

Subsurface Structure in Niigata oil and gas fields, North-east Japan

Hikaru Fukasawa

5/20, 11:45-12:00, ***J245-011**

Basement geologic structures around the Japan Sea

Shigeru Otoh, Satoshi Yamakita

5/20, 12:00-12:15, ***J245-012**

Problems about the Japan Sea formation and their implications for active tectonic in the backarc side of Japan

Atsushi Yamaji

5/20, 13:45-14:00, **J245-013**

Can a reactivation of ancient rift systems trigger devastating intraplate earthquakes?

Aitaro Kato, Eiji Kurashimo, Toshihiro Igarashi, other

5/20, 14:00-14:15, **J245-014**

3D seismic velocity structures beneath high-strain-rate zones in Japan: Implications for a cause of strain concentration

Junichi Nakajima

5/20, 14:15-14:30, ***J245-015**

Late Cenozoic Magmatic Evolutions of the NE Honshu Arc, Japan

Takeyoshi Yoshida, Soshi Nishimoto, Junichi Nakajima, other

5/20, 14:30-14:45, **J245-016**

Is the Eastern-Boundary Fault of Sado Basin really nonexistent?

Katsuhiko Ishibashi

5/20, 14:45-15:00, **J245-017**

Crustal Structure around the Northern Part of Itoigawa-Shizuoka Tectonic Line, Central Japan

Takaya Iwasaki, Hiroshi Sato, Yasutaka Ikeda, other

5/20, 15:00-15:15, **J245-018**

Upper crustal structure beneath the Itoigawa Shizuoka Tectonic Line, Central Japan by refraction/wide angle reflection analysis

Risa Kobayashi, Takaya Iwasaki, Yasutaka Ikeda, other

5/20, 15:30-15:45, **J245-019**

Generation mechanism of shallow inland earthquakes in NE Japan and the 2008 Iwate-Miyagi Nairiku earthquake
Tomomi Okada, Norihito Umino, Akira Hasegawa, other

5/20, 15:45-16:00, **J245-020**

Focal mechanisms of aftershocks of the 2008 M7.2 Iwate-Miyagi Nairiku earthquake and the stress field in its aftershock area

Keisuke Yoshida, Tomomi Okada, Yoshihiro Ito, other

5/20, 16:00-16:15, **J245-021**

Seismic profiles along the Iwai River in the source area of the 2008 Iwate-Miyagi Nairiku Earthquake

Naoko Kato, Hiroshi Sato, Toshifumi Imaizumi, other

5/20, 16:15-16:30, **J245-022**

Shallow crustal structure in and around the central focal area of the Iwate-Miyagi Nairiku Earthquake in 2008, northeast Japan

Shin Koshiya, Hiroshi Sato, Naoko Kato, other

5/20, 16:30-16:45, **J245-023**

Aftershock distribution and crustal structure in and around northern focal area of the 2008 Iwate-Miyagi Nairiku Earthquake

Eiji Kurashimo, Hiroshi Sato, Susumu Abe, other

5/20, 16:45-17:00, **J245-024**

3D modeling of faulting around the Ou Backbone Range: implication for tectonic loading in the 2008 Iwate-Miyagi inland earthquake

Bunichiro Shibasaki

J245: (Eastern Japan Sea Deformation Zone) poster Convention Hall

5/19, **J245-P001**

Estimation of tectonic erosion along the Japan Trench on the basis of the tectonics in central Hokkaido

Masaki Takahashi

5/19, **J245-P002**

Resistivity structure around the Ishikari-teichi-toen fault zone, Hokkaido, Japan

Yusuke Yamaya, Toru Mogi, Hideaki Hase, other

5/19, **J245-P003**

Linking velocity to lithology: Arc crustal lithology beneath NE Honshu

Masahiro Ishikawa

5/19, **J245-P004**

Distribution of late Cenozoic calderas and high strain zones in the crust of NE Honshu - Study based on Bouguer anomaly -

Takeyoshi Yoshida, Takeshi Kudo, Ryuichi Shichi

5/19, **J245-P005**

Subsurface structure around the hypocenter of the Iwate-Miyagi Nairiku Earthquake in 2008, northeast Japan, using gravity survey

Fumiko Watahiki, Shin Koshiya, Taro Mogi, other

5/19, **J245-P006**

How deep are the aftershocks of the 2008 Iwate-Miyagi Nairiku sequence?

Bogdan Enescu, Tetsuya Takeda, Yohei Yukutake, other

5/19, **J245-P007**

Source Parameter Scaling of Recent M7-class Inland Earthquake Sequences in Japan (2)

Kazuhiro Somei, Kimiyuki Asano, Tomotaka Iwata

5/19, **J245-P008**

The historical study and the quest for old waveform records worldwide to reveal sources in the concentrated deformation zone

Ritsuko Matsu'ura, Mitsuko Furumura, Mayumi Sekine, other

5/19, **J245-P009**

Deep seismic profiling across the Niigata basin, central Japan: 2008 Sanjo-Yahiko seismic survey

Hiroshi Sato, Susumu Abe, Akihisa Takahashi, other

5/19, **J245-P010**

Deformation structure in the eastern margin of the Japan Sea observed using seismic reflection data
Tetsuo No, Narumi Takahashi, Shuichi Kodaira, other

5/19, **J245-P011**

Active fold-and-thrust belts revealed by seismic reflection survey in the vicinity of the Awashima Island
Haruo Kimura, Yukinobu Okamura

5/19, **J245-P012**

High resolution seismic reflection profiling and borehole drillings across the Kakudayama thrust, central Japan
Tatsuya Ishiyama, Hiroshi Sato, Toshifumi Imaizumi, other

5/19, **J245-P013**

Latest Pleistocene to Holocene activity of the Kakuda-Yahiko fault in the Niigata Plain, based on sediment core analysis
Toshimichi Nakanishi, Yoshinori MIYACHI, Atsushi Urabe, other

5/19, **J245-P014**

Shallow subsurface structure on shore in the northward extension of the Kakudayama toen fault
Kazuo Yamaguchi, Tatsuya Sumita, Naomi Kano, other

5/19, **J245-P015**

Aftershock distribution of the 2007 Chuetsu-oki Earthquake and crustal structure by a marine and land seismic network
Masanao Shinohara, **Takashi Shinbo**, Tomoaki Yamada, other

5/19, **J245-P016**

Remarkable linear seismicity extending northward from the aftershock area of the 2007 Niigata-ken Chuetsu-oki earthquake
Tomoya Harada, Katsuhiko Ishibashi

5/19, **J245-P017**

Spatial distribution of hypocenters and focal mechanisms in and around the focal area of the 1891 Nobi earthquake
Youichi Asano, Yohei Yukutake, Tetsuya Takeda, other

5/19, **J245-P018**

Helium isotope variations along the Niigata-Kobe Tectonic Zone
Atsui Ninomiya, Koji Umeda

J246: (Interface- and nano-phenomena on crystal)

oral Exhibition hall 7 sub

5/16, 15:30-15:50, ***J246-001**

Molecular Resolution Investigations in Liquid by Frequency-Modulation Atomic Force Microscopy
Ken Nagashima, Masayuki Abe, Seizo Morita, other

5/16, 15:50-16:10, ***J246-002**

Methods of in-situ observation during semiconductor crystal growth by scanning tunneling microscope
Shiro Tsukamoto

5/16, 16:10-16:23, **J246-003**

In situ observation of ice crystal surfaces by advanced optical microscopy
Gen Sazaki, Salvador Zepeda, Shunichi Nakatsubo, other

5/16, 16:23-16:36, **J246-004**

Direct measurement of desorbed species following the photolysis of amorphous solid water by REMPI technique
Tetsuya Hama, Masaaki Yokoyama, Akihiro Yabushita, other

5/16, 16:36-16:49, **J246-005**

Dissolution kinetics of feldspar on CO₂ geological sequestration
Masao Sorai

5/16, 16:49-17:02, **J246-006**

Selective interaction between aspartic acids and calcite surface
Toru Yoshino, Hiroyuki Kagi

5/16, 17:02-17:15, **J246-007**

The nucleation of aragonite on the calcite basement as induced by synthetic polypeptide-in situ observation by AFM-

Yuki Araki, Katsuo Tsukamoto, Mihoko Maruyama

5/16, 17:15-17:28, **J246-008**

Direct tracking of selective adsorption of chiral molecules on calcite surface

Mihoko Maruyama, Katsuo Tsukamoto, Gen Sasaki, other

5/17, 09:00-09:13, **J246-009**

The interface, unique site where kinetic processes occur

Ichiro Sunagawa

5/17, 09:13-09:26, **J246-010**

Anisotropic growth kinetics of tetrahydrofuran clathrate hydrate

Hiroki Nada

5/17, 09:26-09:39, **J246-011**

The Growth kinetics of self-organizing lattice pattern by the three-point DNA motif

Emiko Seki, Masamichi Ishikawa

5/17, 09:39-09:52, **J246-012**

Influence of feldspar powder on morphology of ettringite crystal grown in a solution

Ryuichi Komatsu

5/17, 09:52-10:05, **J246-013**

Growth speed, growth textures, and twin boundary structures of quartz twinned after Japan twin law

Koichi Momma, Toshiro Nagase, Takahiro Kuribayashi, other

5/17, 10:05-10:18, **J246-014**

Production of Co nanocrystals from a C-Co mixture amorphous film by heating experiment in TEM

Yoshiro Miura, Jun Onagawa, Hitoshi Suzuki

5/17, 10:18-10:31, **J246-015**

Formation of solidification structure in a melt droplet during rapid cooling

Etsuro Yokoyama, Ken Nagashima, Hitoshi Miura, other

5/17, 10:45-11:05, ***J246-016**

Crystallization of dust in astrophysical environments

Tetsuo Yamamoto

5/17, 11:05-11:25, ***J246-017**

Chondrules in the short-period comet 81P/Wild II

Tomoki Nakamura

5/17, 11:25-11:38, **J246-018**

Crystallization in Space

Katsuo Tsukamoto

5/17, 11:38-11:51, **J246-019**

Formation of nanoparticles in gas phase

Yuki Kimura, Hitoshi Miura, Chihiro Kaito, other

5/17, 11:51-12:04, **J246-020**

Formation environment of matrix fine particles revealed by surface nano-topography

Jun Nozawa, Katsuo Tsukamoto, Hitoshi Miura, other

5/17, 12:04-12:17, **J246-021**

Surface alteration of silicate particle exposed to hydrogen plasma

Seiji Kimura

5/17, 12:17-12:30, **J246-022**

Vapor-solid growth at extremely non-equilibrium environment in our solar nebula

Hitoshi Miura, Kyoko K. Tanaka, Tetsuo Yamamoto, other

J246: (Interface- and nano-phenomena on crystal)
no poster

J247:(Crust air ocean interaction)
poster Convention Hall

5/20, **J247-P001**

Subterranean Petroleum Deposits in Correlation to Induce Tornado Formation

Shuji Mori

5/20, **J247-P002**

Modeling in Formation of Tornadoes by Electrochemistry in Hydrocarbon Diffusion and Oxidation out of Petroleum Deposits

J248: (Anti-plate tectonics on the CMB)

oral 303

5/17, 13:45-14:00

Introductory talk

5/17, 14:00-14:15, **J248-001**

Electrical conductivity profiles of oceanic and continental upper mantle: Laboratory and field experiments

Masahiro Ichiki, Kiyoshi Fuji-ta, Soichi Omori, other

5/17, 14:15-14:30, **J248-002**

On analog experiments indicating ascending super plumes and descending slabs

Shin-ya Okubo, **Tadahiro Hatakeyama**, Takatoshi Yanagisawa

5/17, 14:30-14:45, **J248-003**

Reexamination of iron partitioning between perovskite/post-perovskite and ferropericlasite in the lower mantle condition

Ryosuke Sinmyo, Kei Hirose

5/17, 14:45-15:00, **J248-004**

Waveform inversion studies of the S velocity structure in D'' beneath several regions and geophysical implications

Kensuke Konishi, Kenji Kawai, Robert J. Geller, other

5/17, 15:00-15:15, **J248-005**

Superplume-supercontinent cycle induced by subducted-accumulated TTG on the CMB

Hiroki Senshu, Shigenori Maruyama, Shuji Rino, other

5/17, 15:30-15:50, **J248-006**

Giant impact and origin of the Moon

Hidenori Genda

5/17, 15:50-16:10, ***J248-007**

Differentiation and long-term thermal history of the Moon

Kiyoshi Kuramoto

5/17, 16:10-16:30, ***J248-008**

Planetary seismic tomography: Earth and Moon

Dapeng Zhao

5/17, 16:30-16:45, ***J248-009**

Perovskite and post perovskite phase relation in the MgSiO₃-Al₂O₃ system

Jun Tsuchiya, Taku Tsuchiya

5/17, 16:45-17:00, **J248-010**

Lost primordial continent

Kenji Kawai, Taku Tsuchiya, Jun Tsuchiya, other

5/17, 17:15-17:45, ***J248-011**

On the chemical heterogeneity in the lowermost mantle

Kei Hirose

5/17, 17:45-18:00, **J248-012**

Subducted materials through the Earth's history

Soichi Omori

5/17, 18:00-18:15, **J248-013**

Granite subduction: arc subduction, tectonic erosion and sediment subduction

Shinji Yamamoto, Shuji Rino, Shigenori Maruyama

5/17, 18:15-18:45, **J248-014**

Three layers model of continents on solid Earth; Role of second continent in the mantle transition zone

Shigenori Maruyama, Kenji Kawai, Taku Tsuchiya, other

5/17, 18:45-19:15

Discussion

J248: (Anti-plate tectonics on the CMB)

no poster