

The 121th Annual Meeting of the Geological Society of Japan--Oral Presentation

■ 14 Sunday, AM

Loc	Room 1 (111)	Room 2 (121)	Room 3 (131)
	R6. Geopark	S2. Tsunami hazards and risks: using the geological record	R4. Metamorphic rocks and tectonics
	Chairs: Hideo TAKAGI (1-4), Kazuo AMANO (5-9)	Chairs: Kazuhisa GOTO (1-4), Osamu FUJIWARA (5-6)	Chairs: Tatsu KUWATAN (1-4), Nobuhiko NAKANO (5-8), Mutsuki AOYA (9-12)
8 : 45	<p>9 : 00 R6-O-1 (Invited) Approach of Mishimamura Village aiming for registration of a member of Japanese Geopark Network Hisashi OIWANE</p> <p>9 : 30 R6-O-2 Large and unusual rocks in the Southern Sanriku Coast region, Tohoku district, Japan Masayuki EHIRO · The Committee on Arrangements for the Southern Sanriku Coast Geopark</p> <p>9 : 45 R6-O-3 Necessity of Sustainable Development for Geological Research in Creating New Geotourisms Takaaki SHIRAI · Kana FURUSAWA</p> <p>10 : 00 R6-O-4 Effects and Issues of Resident Involvement in Geopark Model Route Map Noritaka MATSUBARA · Tohru SAKIYAMA</p> <p>10 : 15 R6-O-5 New concept of the Geological Map of Gifu Prefecture "GEOLAND GIFU" using Web-GIS Yoshimitsu KOIDO · Atsushi TANASE · Takashi KANO · Satoru KOJIMA · Eiji SASAO · Kanji SHIKANO · Yoshikazu KIZAWA</p> <p>10 : 30 R6-O-6 Practical Report of Geopark Research Seminar as Liberal Arts for Undergraduate Students Norihito KAWAMURA</p> <p>10 : 45 R6-O-7 Educational activities utilizing geoparks in Waseda University Hideo TAKAGI</p> <p>11 : 00 R6-O-8 Educational activities in the Sanriku Geopark Hiroyuki SAI · Takefumi SHIMOMUKAI</p> <p>11 : 15 R6-O-9 A Field-Museum Concept of Active Faults and Disaster Prevention for the Tateyama Kurobe Geopark in relation to Active Tectonics Akira TAKEUCHI</p>	<p>9 : 00 S2-O-1 (Invited) Size and type of the 869 Jogan earthquake inferred from tsunami simulation and deposits Satake Kenji · Namegaya Yuichi</p> <p>9 : 25 S2-O-2 (Invited) The role of submarine landslides in the Great Eastern Japan tsunami of 2011 Tappin D. R.</p> <p>9 : 50 S2-O-3 (Invited) Tsunami sedimentology for disaster science Daisuke SUGAWARA</p> <p>10 : 15 Break</p> <p>10 : 25 S2-O-4 Challenges of identifying the tsunami deposits using the sedimentary features Osamu FUJIWARA</p> <p>10 : 50 S2-O-5 (Invited) What can geochemistry tell us about tsunamis? Catherine CHAGUE-GOFF</p> <p>11 : 15 S2-O-6 (Invited) Diatom fossil analysis as an aid for paleoseismology Yuki SAWAI</p>	<p>8 : 45 R4-O-1 Rheology of the deep parts of the NE Japan interplate megathrust Ichiko SHIMIZU</p> <p>9 : 00 R4-O-2 Absence of the so-called Hatcho-yama fault that cuts N-S across the southern part of the Oboke unit of the Sambagawa belt, Shikoku Mutsuki AOYA</p> <p>9 : 15 R4-O-3 Comparison of the thermal structure of the Sanbagawa belt in the Kanto Mountains and the Central Shikoku using Raman carbonaceous material geothermometer Yui KOUKETSU · Ichiko SHIMIZU · Kosuke NAEMURA</p> <p>9 : 30 R4-O-4 Clockwise and anti-clockwise metamorphic evolutions from the Altai Mountains in Mongolia Nobuhiko NAKANO · Yasuhito OSANAI · Masaaki OWADA · M. SATISH-KUMAR · Tatsuro ADACHI · Aya YOSHIMOTO · Sereenen JARGALAN · Kundyzy SYERYEKHAN</p> <p>9 : 45 R4-O-5 Geology of lawsonite blueschist facies unit crystallized under relatively low-geothermal gradient (ca. 15°C/km) Takao HIRAJIMA · Eitaro SATOH · Yoshiyuki FUJIMOTO · Masaru IBUKI · Kenichiro KAMIMURA</p> <p>10 : 00 R4-O-6 White mica K-Ar ages obtained from lower grade metamorphic rocks in the Hakoishi/Tobiishi sub-units in Yatsushiro, Kyushu Eitaro SATO · Takao HIRAJIMA · Yoshiyuki FUJIMOTO · Kenichiro KAMIMURA</p> <p>10 : 15 R4-O-7 Excess-argon and closure temperatures of phengites Tetsumaru ITAYA</p> <p>10 : 30 R4-O-8 Crustal dynamics for formation of high-temperature metamorphic belt and U-Pb ages of metamorphic and plutonic rocks in northern Kyushu Kazuhiro MIYAZAKI · Hirohisa MATSUURA · Toru DANHARA · Hideki IWANO · Takeshi HRATA</p> <p>10 : 45 R4-O-9 LA-ICP-MS Zircon U-Pb ages of metamorphic rocks from the central parts of Highland Complex, Sri Lanka Ipppei KITANO · Yasuhito OSANAI · Nobuhiko NAKANO · Tatsuro ADACHI · Sanjeeva P.K. MALAVIARACHCHI · P.L. DHARMAPRIYA</p> <p>11 : 00 R4-O-10 Grain Size Grading and Lisegang Bands in Metamorphic Rocks Mitsuhiro TORIUMI · Mayuko FUKUYAMA</p> <p>11 : 15 R4-O-11 Microstructures of a corona around garnet from the Lützow-Holm Complex at Ongul Island, East Antarctica Asami SHIMADA · Takeshi IKEDA</p> <p>11 : 30 R4-O-12 (Canceled) Kelyphitization processes of garnet deciphered from lineaments in microstructure: A structural geological approach to micropetrography Masaaki OBATA</p>

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※ If there is a difference in title(s) or author(s) between the program and abstract volume, then the latter should be referred. Presenting author is given in bold.

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Loc	Room 4 (122)	Room 5 (124)	Room 6 (125)
	R3. Eruption, evolution and products of volcanic processes	R8. Marine geology	T7. Environmental evolution across the Paleozoic-Mesozoic transition
	Chairs: Yasuhisa TAJIMA (1-2), Takashi KUDO (3-4)	Chairs: Izumi SAKAMOTO (1-3), Takuya ITAKI (4-7), Juichiro ASHI (8-11)	Chairs: Tetsuji ONOUE (1-4), Satoshi TAKAHASHI (5-9)
8 : 45	<p>8 : 45 R3-O-1 Stratigraphy of eruptives during the Pre-caldera and Caldera-forming stages in Aobunayama region, Towada volcano, Northeast Japan Takashi KUDO</p> <p>9 : 00 R3-O-2 Eruptive Caldera of the Pink Tuff Michio KIDO</p> <p>9 : 15 R3-O-3 Eruptive stage of Kirishima volcanoes for the past 10000 years Yasuhisa TAJIMA</p> <p>9 : 30 R3-O-4 Crystal clots in the Taisho lava of Sakurajima volcano: origin and its implications for structure of magma chamber Masaki TAKAHASHI · Yoko SAITO · Hikaru NISHIO · Maya YASUI</p> <hr/> <p style="text-align: center;">R21. Geoscience education/History of geoscience</p> <p>Chairs: Daiji HIRATA (1-2), Michiko YAJIMA (3-7)</p> <p>10 : 00 R21-O-1 (Invited) The Geological Society of London – past, present and future Alan LORD · Nic BILHAM</p> <p>10 : 15 R21-O-2 Edmund Naumann (1854-1927) and Mount Fuji Michiko Yajima</p> <p>10 : 30 R21-O-3 Development of the learning programs of earth science literacy - attempt of the Earth history lecture series utilizing permanent exhibitions of museum Daiji HIRATA · Msakazu GOTO</p> <p>10 : 45 R21-O-4 The report about two outreach activities in Betsukai-cho 2013: “Delivery lecture at Betsukai elementary school and Music and the talk to enjoy nature of the late fall” Kiyoyuki SHIGENO · Futoshi NAKAYAMA · Riku NAKAYAMA · Takafumi TSUJI Shin SATO · Yasuo IKEDA · Kazuto ISHIWATA</p> <p>11 : 00 R21-O-5 “A weight of the textbook” in Earth Sciences textbook Toshio ASANO</p> <p>11 : 15 R21-O-6 An attempt to the planning and practice of systematic Earth Sciences based on Kawakita (1967)'s W-type as field science method, -A case study-(II) Yoshiaki MATSUDA · Masakazu GOTO</p> <p>11 : 30 R21-O-7 The role of the teacher who worked in SSH high school Kazuya KAWAKATSU · Yuka IWAMOTO</p>	<p>9 : 00 R8-O-1 Earthquake induced deposits recorded in a terminal basin at the 2004 off Kii Peninsula earthquakes Juichiro ASHI · Akiko OMURA · Asuka YAMAGUCHI · Yuki NAKAMURA · Rina FUKUCHI · Tomohisa IRINO · Masafumi MURAYAMA · Ken IKEHARA · Yasuyuki NAKAMURA</p> <p>9 : 15 R8-O-2 Characterization of seismogenic turbidite by using XRF core scanner Masao IWAI · Munemasa KOBAYASHI · Takuya MATSUZAKI · Yuji YAMAMOTO</p> <p>9 : 30 R8-O-3 Sedimentary age of turbidites collected from the Japan Trench inner slope Kazuko USAMI · Ken IKEHARA · Toshiya KANAMATSU · Cecilia MCHUGH</p> <p>9 : 45 R8-O-4 Preliminary report of the investigation of 3.11 Tsunami hazard around the Iwate Sanriku Coast, Japan Izumi SAKAMOTO · Yuka YOKOYAMA · Masatoshi YAGI · Satsuki IJIMA · Kenji NEMOTO · Mikio FUJIMAKI · Yukihide AKIYAMA · Takafumi KASAYA · Yoshihiro FUJIWARA</p> <p>10 : 00 R8-O-5 Diatom analysis of the 13HV8 core drilled from the Hirota bay, Iwate, Japan Tsumoru SAGAYAMA · Izumi SAKAMOTO · Yuka YOKOYAMA · Tomohito INOUE · Satsuki IJIMA · Masatoshi YAGI</p> <p>10 : 15 R8-O-6 Application for hydraulic property of permeable siliceous claystone. - An example of Japan Trench and Aleutian Trench - Takanori OJIMA · Saneatsu SAITO · Wataru TANIKAWA · Itsuki SUTO · Juichiro ASHI</p> <p>10 : 30 R8-O-7 Reconstruction of late Quaternary North Atlantic subpolar gyre based on diatomaceous ooze and planktic foraminifera Makoto YAMASAKI · Chieko SHIMADA · Minoru IKEHARA</p> <p>10 : 45 R8-O-8 Initiative for future proposals of Western Pacific Drilling (WEPAD) Takuya ITAKI · WEPAD working group</p> <p>11 : 00 R8-O-9 Quaternary faults and tectonics of SW Japan Sea off San'in and Kyusyu Yukinobu OKAMURA · Takahiko INOUE · Shintaro ABE</p> <p>11 : 15 R8-O-10 The structure and the origin of the Central Rise in Kikai caldera in southern-off Kyushu, Japan Fumihiko IKEGAMI · Shoichi KIYOKAWA · Hisashi OIWANE · Fukashi MAENO · Yuji SANO · Yasuyuki NAKAMURA · Katsura KAMEO · Shogo KAGOSHIMA</p> <p>11 : 30 R8-O-11 The structure of iron- and silica-rich mounds related with bacteria at hydrothermal environment in shallow marine, Satsuma Iwo-Jima Takashi KURATOMI · Shoichi KIYOKAWA · Minoru IKEHARA · Shusaku GOTO · Tatsuhiko HOSHINO · Fumihiko IKEGAMI · Yuto MINOWA</p>	<p>9 : 00 T7-O-1 Bio-essential element depleted ocean after the end-Permian mass extinction Satoshi TAKAHASHI · Shin-ichi YAMASAKI · Noriyoshi TSUCHIYA · Yasumasa OGAWA · Kazuhiko KIMURA · Kunio KAIHO · Takeyoshi YOSHIDA</p> <p>9 : 15 T7-O-2 Variation in terrestrial ecosystem reconstructed by thermochemolysis of kerogen from sedimentary rocks at the end-Permian mass extinction horizons in the Meishan section, South China Ken SAWADA · Shuji OGATA · Kunio KAIHO</p> <p>9 : 30 T7-O-3 Redox conditions and bio-diversity recorded in carbonate rocks in the Kamura area, Southwest Japan Ryosuke SAITO · Kunio KAIHO · Hiroyoshi SANO</p> <p>9 : 45 T7-O-4 (Invited) Paleozoic-Mesozoic boundary: The divide of the Phanerozoic Yukio ISOZAKI</p> <p>10 : 15 Break</p> <p>10 : 30 T7-O-5 Paleoecology of Early Triassic conodonts Sachiko AGEMATSU · Katsuo SASHIDA</p> <p>10 : 45 T7-O-6 Smithian to lowest Anisian lithostratigraphy and conodont biostratigraphy of a deep sea sedimentary sequence in Arrow Rocks, New Zealand : Spathian oceanic anoxic event Satoshi YAMAKITA · Atsushi TAKEMURA · Yoshiaki AITA · Rie HORI · Satoshi TAKAHASHI · Masayuki IKEDA · K. Bernhard SPORLI · Hamish J. CAMPBELL</p> <p>11 : 00 T7-O-7 Upper Triassic conodont-radiolarian biostratigraphy and lithofacies changes in Panthalassa realm Daisuke YAMASHITA · Chika YASUDA · Honami SATO · Tetsuji ONOUE</p> <p>11 : 15 T7-O-8 Cyclostratigraphy of Middle Triassic (Anisian) bedded cherts in Chichibu belts, Southwest Japan Katsuhito SODA · Tetsuji ONOUE · Masayuki IKEDA</p> <p>11 : 30 T7-O-9 Astrochronology using Mesozoic Milankovitch cycle and its paleoenvironmental implications; Triassic-Jurassic bedded chert sequence in Inuyama area, Japan. Masayuki IKEDA · Rie HORI, S. · Ryuji TADA</p>

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Loc	Room 7 (212, 213)	Room 8 (211)
	R19. Environmental geology	T8. New science in deep riser-drilling
	Chairs: Yoshiyuki TAMURA (1-4), Atsushi KAGAWA (5-8), Tsuyoshi YOSHIDA (9-12)	Chairs: Takeshi TSUJI (1-5), Kuniyo KAWABATA (6-12)
8 : 45	<p>8 : 45 R19-O-1 Origin of the Ueda Mud Flow deposit inferred from the geomorphic history of the Ueda Basin, Nagano Prefecture, central Japan Hitoshi TOGASHI · Hiroshi YOKOYAMA</p> <p>9 : 00 R19-O-2 High concentration events of volcanic gas at Sakurajima in 2013 Masaya SAKAMOTO · Kisei KINOSHITA</p> <p>9 : 15 R19-O-3 ²²⁴Ra/²²⁸Ra Ratios in coastal lagoon and the water dynamics in Lake Shinjiko Ritsuo NOMURA · Mutsuo INOUE · Hisaki KOFUJI</p> <p>9 : 30 R19-O-4 Uplift rate since the Last Interglacial in coastal area of Northeast Japan -In relation to subsidence due to the Niigata Earthquake of 1964 and the 2011 off the Pacific coast of Tohoku Earthquake- Takao NAKAGAWA</p> <p>9 : 45 R19-O-5 Age determination of historical tsunami deposits and development of geochemical discrimination Hosoda NORIHIRO · Takahiro WATANABE · Toshio NAKAMURA · Noriyoshi TSUCHIYA</p> <p>10 : 00 R19-O-6 Case Examples of Particle Analysis in Forensic Geological Samples Ritsuko SUGITA</p> <p>10 : 15 R19-O-7 Investigation of groundwater pollution in the inappropriate industrial waste landfill site . Takuya WADA · Yoshihiro KAWABATA · Tadashi YUASA · Toyohisa NAKAMURA</p> <p>10 : 30 R19-O-8 Temperature distribution near the top of Myoko-mud layer by groundwater monitoring wells in middle area of Yoro-gawa river, Chiba, Japan Takashi KUSUDA · Kunio FURUNO · Atsushi KAGAWA · Takeshi YOSHIDA</p> <p>10 : 45 R19-O-9 Temperature profile of Monitoring wells in Chiba Prefecture, Japan Kunio FURUNO · Atsushi KAGAWA · Takeshi YOSHIDA · Osamu KAZAOKA · Yutaka SAKAI · Akiko KATO · Takashi KUSUDA</p> <p>11 : 00 R19-O-10 Report of Groundwater contamination by nitrate nitrogen in Northeastern Chiba, Japan Kumiko IWAI · Yoshiyuki TAMURA · Takeshi YOSHIDA · Yutaka SAKAI · Nozomi SHIMOZATO</p> <p>11 : 15 R19-O-11 Presumption of the sources and the age of the nitrogen loading in the Shimousa Plateau, Chiba Prefecture Yoshiyuki TAMURA · Kumiko IWAI · Nonprofit Organization of the Institute of Water Environment</p> <p>11 : 30 R19-O-12 Geo-stratigraphic unit investigation method to solve the geo-pollution of man-made strata Shoichi UESUNA</p>	<p>8 : 45 T8-O-1 What we can achieve with deep riser drillings Yasuhiro YAMADA</p> <p>9 : 00 T8-O-2 (Invited) What drill cuttings tell us? Lessons learned from IODP Expedition 348 ultra-deep riser drilling into the Nankai accretionary prism Takehiro HIROSE · Manami KITAMURA · Harold TOBIN · Demian SAFFER · Sean TOCZKO · Expedition 348 Scientists</p> <p>9 : 15 T8-O-3 Observational and analytical results of cuttings from IODP Exp. 319, the riser drilling and its usefulness Kuniyo KAWABATA · Arito SAKAGUCHI</p> <p>9 : 30 T8-O-4 Utility of cuttings-based lithological evaluation during IODP NanTroSEIZE Expedition 348 Rina FUKUCHI · Asuka YAMAGUCHI · Yuzuru YAMAMOTO · Juichiro ASHI · Expedition 348 Scientists</p> <p>9 : 45 T8-O-5 Stress-state and micro-scale deformations in the hangingwall of the splay fault: Preliminary results from riser drilling at the Site C0002, IODP Expedition 348 Yuzuru YAMAMOTO · Weiren LIN · Yuhji YAMAMOTO · Hiroki SONE · Pierre HENRY · Makoto OTSUBO · Kevin BROWN · Ana CRESPO-BLANC · Expedition 348 Scientists</p> <p>10 : 00 T8-O-6 Downhole high-velocity shear strength determined from surface drilling torque Kohtaro UJIIE · Tomoya INOUE</p> <p>10 : 15 T8-O-7 Pore pressure distribution of a mega-splay fault system in the Nankai Trough subduction zone Takeshi TSUJI</p> <p>10 : 30 T8-O-8 Coring disturbances with the riser drilling system of the D/V Chikyu - IODP Exp. 337 off Shimokita drilling- Masafumi MURAYAMA · Sumito MORITA · Yasuhiro YAMADA · Yusuke KUBO · K-U HINRICHS · Fumio INAGAKI</p> <p>10 : 45 T8-O-9 Correlation between thermal and physical properties and mineralogy and prediction of thermal structure in Sanriku-oki basin off Shimokita Peninsula Wataru TANIKAWA · Osamu TADAI · Weiren LIN · Sumito MORITA · Yasuhiro YAMADA · Yoshinori SANADA · Yusuke KUBO · Fumio INAGAKI · IODP Expedition 337 Scientific Party</p> <p>11 : 00 T8-O-10 Beyond MoHole Natsue ABE · Tomoaki MORISHITA · Katsuyoshi MICHIBAYASHI</p> <p>11 : 15 T8-O-11 Mecha-Mohole (Stress profile of the crust in Mohole project) Arito SAKAGUCHI</p> <p>11 : 30 T8-O-12 Slow Slip drilling Project at the northern Hikurangi subduction Margin, New Zealand Yoshihiro ITO · Shuichi KODAIRA · Kimihiro MOCHIZUKI · Wallace LAURA · Saffer DEMIAN · Henrys STUART · Barnes PHIL · Underwood MIKE · Bangs NATHAN</p>

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Loc	Room 2 (121)	Room 3 (131)	Room 4 (122)
	S2. Tsunami hazards and risks: using the geological record	R4. Metamorphic rocks and tectonics	R12. Geology and geochemistry of petroleum and coal
	Chairs: Osamu FUJIWARA (7), David TAPPIN (8-10), Shigehiro FUJINO (11-14)	Chairs: Yui KOUKETSU (13-15), Tetsuo KAWAKAMI (16-19)	Chairs: Yoshikazu SAMPEI (1-4), Tomonori KAWAMURA (5-8), Nobuyuki KANEKO (9-12)
14 : 30	<p>14 : 30 S2-O-7 Recurrence intervals of tsunamis associated with earthquakes at the Nankai Trough may vary over time and place Shigehiro FUJINO</p> <p>14 : 55 S2-O-8 (Invited) Necessity of Geology to Validate the Anticipated Great Nankai Trough Earthquake Model Toshitaka BABA</p> <p>15 : 20 S2-O-9 Identification of tsunami boulders in the Ryukyu Islands, Japan and their potential use for long-term risk assessment Kazuhisa GOTO</p> <p>15 : 45 Break</p> <p>15 : 55 S2-O-10 (Invited) The Impact of extreme storm waves on rock coasts J.D. HANSOM · A. M. HALL</p> <p>16 : 20 S2-O-11 (Invited) Study on the numerical simulation of tsunami by debris avalanche-Case study of Mt.Fuji and Suruga Bay Kenji HARADA</p> <p>16 : 45 S2-O-12 (Invited) Spatial distribution and sedimentary features of near-source tsunami deposits of volcanic origin Yuichi NISHIMURA</p> <p>17 : 10 S2-O-13 (Invited) Geological records of 1792 Unzen earthquake and tsunami Toshihiko ICHIHARA</p> <p>17 : 35 S2-O-14 (Invited) Kinematics and movement mechanisms of volcano collapse landslides: implications for tsunami generation models Simon DAY · Steven WARD</p>	<p>14 : 30 R4-O-13 Various modes of occurrence of sillimanite formed by the fluid activities in the Ryoike metamorphic rocks Saori AMANO · Tetsuo KAWAKAMI</p> <p>14 : 45 R4-O-14 Syn-metamorphic aqueous fluid infiltration and petrogenesis of tourmaline leucogranites in the MCT zone, Dhankuta area, Eastern Nepal Tetsuo KAWAKAMI · Harutaka SAKAI · Katsushi SATO</p> <p>15 : 00 R4-O-15 Significance of multi-stage highly saline brine activity- An example from Brattnipene, Sor Rondane Mountains, East Antarctica Fumiko HIGASHINO · Tetsuo KAWAKAMI · Noriyoshi TSUCHIYA · M SA TISH-KUMAR · Masahiro ISHIKAWA · Geoff GRANTHAM</p> <p>15 : 15 R4-O-16 Mode of hydration of wedge mantle along deep subduction zone: a case of Horokanai area (Hokkaido, Japan) Takechika KASAI · Hayato UEDA</p> <p>15 : 30 R4-O-17 Progress and mass transport of serpentinization on olivine-plagioclase-H₂O system. Ryosuke OYANAGI · Atsushi OKAMOTO · Noriyoshi TSUCHIYA</p> <p>15 : 45 R4-O-18 Extraction of metamorphic processes from high-dimensional geochemical data using dimension reduction techniques Tatsu KUWATANI · Masaaki UNO</p> <p>16 : 00 R4-O-19 High <i>P-T</i> experiments for hōgbomite-group minerals Toshiaki SHIMURA · Tatsuro ADACHI · Nobuhiko NAKANO · Yasuhito OSANAI · Toshisuke KAWASAKI</p>	<p>14 : 30 R12-O-1 (Invited) Petroleum geology of natural gases dissolved-in-water in Miyazaki and Okinawa prefectures Susumu KATO</p> <p>15 : 00 R12-O-2 Generation and migration of microbial methane verified by geochemical data Nobuyuki KANEKO · Tatsuo MAEKAWA · Shun-ichiro IGARI</p> <p>15 : 15 R12-O-3 (Invited) Constraint on hydrothermal petroleum generated by seafloor hydrothermal activity associated with arc-bacarc system Toshiro YAMANAKA · Yusuke OKUNISHI · Tomoki KASHIMURA · Hironori AKASHI</p> <p>15 : 45 R12-O-4 Examination of decomposition and diagenesis processes of algal lipid from Haptophyta by thermal maturation experiment Ryohei ABE · Ken SAWADA · Hideto NAKAMURA · Hiroya ARAIE · Iwane SUZUKI · Yoshihiro SHIRAIWA</p> <p>16 : 00 R12-O-5 Evaluation for composition of molecular units constituting geomacromolecules by thermochemolysis of kerogens Takaaki MORI · Shuuzi OGATA · Ken SAWADA</p> <p>16 : 15 R12-O-6 The Significance of Geomorphological Features and Structural Geological Characteristics of the Abukuma Ridge, Offshore Fukushima for Understanding in Tectonic Framework of the Northeastern Japan Arc Hiroyuki ARATO · Shun CHIYONOBU</p> <p>16 : 30 R12-O-7 Fault geometry and its characteristics in the Abukuma ridge, off the Fukushima Oki Shun CHIYONOBU · Hiroyuki ARATO</p> <p>16 : 45 R12-O-8 Analysis of alkyl lipids bound in sediment and plant mesofossils from the Cretaceous Futaba Group: Possible formation mechanism of organic matter-concentrated layer Yuma MIYATA · Ken SAWADA · Hideto NAKAMURA · Masamiti TAKAHASHI</p> <p>17 : 00 R12-O-9 Stratigraphy and lithology of the Joetsu Basin Area by METI Joetsu Kaikyū (JX), Offshore Niigata, Japan. Okiyuki YAMASHINA · Naoki OKAWA · Machiko KIDO · Seiichi IMAHORI · Satoshi KAKIZAKI · Michiko MIWA · Satoko CHIYONOBU · Akiko OBUSE · Chikara HIRAMATSU · Daichi SATO · Kei BABA</p> <p>17 : 15 R12-O-10 Experimental study of an acidizing on basaltic rocks from Yurihara Oil and Gas Field, Akita, Japan. Susumu OKUBO · Hitomi HIRANO · Yu SUGIYAMA · Takashi TSUJI</p> <p>17 : 30 R12-O-11 Distribution estimation of sandstone reservoir at Northern Ishikari plain, Hokkaido, Japan. Tomonori KAWAMURA</p> <p>17 : 45 R12-O-12 Eocene sea-level change as studied by hydrogen isotopic composition of higher plant wax in mudstones from Ishikari Group, Hokkaido Hikaru SATO · Noriyuki SUZUKI</p>
		R2. Petrology, mineralogy and economic geology	
		Chairs: Satoshi SAITO (1-4), Motohiro TSUBOI (5-7)	
		<p>16 : 15 R2-O-1 (Invited) Geology and ore mineralization at Oyu Tolgoi deposit, southern Mongolia Tumur-Ochir MUNKBHAT</p> <p>16 : 30 R2-O-2 Episodic granitic magmatism and crustal formation and re-organization of Southwest Japan Takashi NAKAJIMA · Masaki TAKAHASHI · Teruyoshi IMAOKA · Toshiaki SHIMURA</p> <p>16 : 45 R2-O-3 Petrochemical study of the Hikami Granitic rocks in the south Kitakami Mountains Jun SASAKI · Nobutaka TSUCHIYA · Tatsuro ADACHI · Nobuhiko NAKANO · Yasuhito OSANAI</p> <p>17 : 00 R2-O-4 K-Ar age and petrochemistry of Yoneyama-Ogamidake volcanic rocks, Niigata Prefecture. Takanobu OBA · Dai FUJITSUKA</p> <p>17 : 15 R2-O-5 Dismembered supra-subduction zone ophiolite suites in the Abukuma metamorphic terrane, northeastern Japan Yuki SATO · Akira ISHIWATARI</p> <p>17 : 30 R2-O-6 High-temperature alteration in olivine gabbros and peridotites from the Hess Deep Rift Toshio NOZAKA · Romain MEYER · Robert WINTSCH</p> <p>17 : 45 R2-O-7 Characteristics of Earth's mineral complex: Formation of carbon-bearing materials Yasunori MIURA</p>	

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The 121th Annual Meeting of the Geological Society of Japan--Oral Presentation

■ 14 Sunday, PM

Loc	Room 5 (124)	Room 6 (125)	Room 7 (212, 213)
	R8. Marine geology	T7. Environmental evolution across the Paleozoic-Mesozoic transition	R19. Environmental geology
	Chairs: Juichiro ASHI (12), Yasuhiko OHARA (13-16)	Chairs: Masayuki IKEDA (10-13), Sachiko AGEMATSU (14-16)	Chairs: Kumiko IWAI (13-15), Takayuki KAWABE (16-17)
14 : 30	<p>14 : 30 R8-O-12 Japan's legal continental shelf survey and the geoscientific characteristics of its extended continental shelf Yasuhiko OHARA · Yukihiko KATO · Tsuyoshi YOSHIDA · Akira NISHIMURA · Kiyoyuki KISIMOTO · Makoto YUASA · Osamu ISHIZUKA · Narumi TAKAHASHI · Yuka KAIHO · Shuichi KODAIRA · Satoshi SHIOKAWA</p> <p>14 : 45 R8-O-13 (Invited) The role of the Commission on the Limits of the Continental Shelf (CLCS) and extended continental shelf of Japan Tetsuro URABE</p> <p>15 : 15 R8-O-14 (Invited) OIB-like magmatism in the West Philippine Sea-link to spreading of the West Philippine Basin- Osamu ISHIZUKA · Rex N. TAYLOR · Yasuhiko OHARA · Makoto YUASA</p> <p>15 : 45 R8-O-15 An example of basaltic submarine volcano formed in the Japan Sea during middle Miocene age: its form and lithofacies variation Norie FUJIBAYASHI</p> <p>16 : 00 R8-O-16 Tectonics of three kinds of basalts newly found from Sagami Bay -Volcano, sheeted lava and basalts as a conglomerate layer- Kantaro FUJIOKA · Shinichi MORI · Naoki TAKAHASHI · Daiji HIRATA · Mitsuharu OSHIMA · Kenichiro SHIBATA · Kyohiko MITSUZAWA · Toru NISHIKAWA · Misaki OHASHI · KO-OHO-O Group</p>	<p>14 : 30 T7-O-10 A search for impact ejecta deposits in the Upper Triassic limestones from Tethys and Panthalassa oceans Tetsuji ONOUE · Daisuke YAMASHITA · Takashi TOMINAGA · Honami SATO · Naoki SHIRAI · Mitsuru EBIHARA · Sigrid MISSONI · Hans-Jürgen GAWLICK</p> <p>14 : 45 T7-O-11 Paleomagnetism of Late Triassic bedded chert from southwest Japan Koji UNO · Daisuke YAMASHITA · Tetsuji ONOUE · Daiki UEHARA</p> <p>15 : 00 T7-O-12 Major and trace element concentrations of the Upper Triassic bedded cherts across the impact-ejecta layer Honami SATO · Tetsuji ONOUE · Yutaro TAKAYA · Koichiro FUJINAGA · Yasuhiro KATO · Tatsuo NOZAKI · Shoichi KIYOKAWA</p> <p>15 : 15 T7-O-13 Carbon isotope analysis of the uppermost Triassic limestone in the Kardolína section, Slovakia Hideko SHIROZU · Michalík JOZEF · Soichiro KUSAKA · Katsuyuki YAMASHITA · Misa YAMASHITA · Daisuke YAMASHITA · Tetsuji ONOUE</p> <p>15 : 30 T7-O-14 Redox changes in the Panthalassa ocean from the Middle Triassic to Early Jurassic: Insights from redox-sensitive elements in deep-sea sediments of Mino-Tanba belt, SW Japan Wataru FUJISAKI · Yusuke SAWAKI · Hikaru SAWADA · Tomohiko SATO · Shinji YAMAMOTO · Hoshimitsu AKAHORI · Shuichi YANAI · Shigenori MARUYAMA</p> <p>15 : 45 T7-O-15 Secular change of the Triassic seawater Os isotope composition reconstructed from bedded cherts in the Sakahogi Section, Mino Belt, Japan Tatsuo NOZAKI · Takashi NIKAI · Yutaro TAKAYA · Katsuhiko SUZUKI · Yasuhiro KATO · Tetsuji ONOUE · Honami SATO · Atsushi MATSUOKA</p> <p>16 : 00 T7-O-16 (Invited) Triassic-Jurassic boundary event -An oceanic neutralization model Rie HORI, S.</p>	<p>14 : 30 R19-O-13 Transparency of the differential settlement and the ground disaster risk information to the real estate customers by the exhibition of "the Jiban Anshin Map" Yoshiharu YOKOYAMA · Takuro OOKUBO</p> <p>14 : 45 R19-O-14 Strata compaction of Holocene deposits caused by the 2011 off the Pacific coast of Tohoku Earthquake in Chiba Prefecture Atsushi KAGAWA · Kunio FURUNO · Takashi KUSUDA · Yutaka SAKAI · Takeshi YOSHIDA · Itaru OGITSU · Osamu KAZAOKA</p> <p>15 : 00 R19-O-15 Observation of the seismic waves and the pore water pressures with the underground seismic observation system at the liquefaction site Yutaka SAKAI · Itaru OGITSU · Shun KAMEYAMA · Takeshi YOSHIDA · Osamu KAZAOKA</p> <p>15 : 15 R19-O-16 Mechanism of Liquefaction-Fluidization in Man-made Strata at the reclaimed land around Tokyo bay by the 2011 off the Pacific coast of Tohoku Earthquake: new geological survey by the ACE Sumplur Osamu KAZAOKA · Shun KAMEYAMA · Masaaki MORISAKI · Kiyoyuki SHIGENO · Yoshiyuki SUZUKI · Atsushi KAGAWA · Takeshi YOSHIDA · Mitsuo KIMURA · Yutaka SAKAI · Takayuki OGURA</p> <p>15 : 30 R19-O-17 Differences between liquefaction-fluidization and ground wave (Jinami) geohazards in each reclaimed land facing San Francisco bay and Tokyo Bay Hisashi NIREI · Brian MARKER · Kunio FURUNO</p>

※ Alphabets in presentation codes indicate S: Symposium, OR: Outreach, T: Topic session, R: Regular session, O: Oral, and P: Poster.

※ If there is a difference in title(s) or author(s) between the program and abstract volume, then the latter should be referred. Presenting author is given in bold.

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Loc	Room 7 (212, 213)	Room 8 (211)
	R24. Nuclear energy and geological sciences	R14. Subduction zones and on-land accretionary complexes
	Chairs: Hidekazu YOSHIDA (1-4), Yoshida WATANABE (4-8)	Chairs: Kohtaro UJIIE (1-4), Arito SAKAGUCHI (5-8), Yoshitaka HASHIMOTO (9-12)
14 : 30	<p>15 : 45 R24-O-1 (Invited) Social Responsibility and Limitations of Geoscience Takeshi SAGIYA</p> <p>16 : 15 R24-O-2 Uncertainty on very low frequency events of faulting for long-term safety assessment Makoto OTSUBO · Ayumu MIYAKAWA</p> <p>16 : 30 R24-O-3 The findings from the survey of crush zones at the fast breeder prototype reactor "Monju" site Tsuneari ISHIMARU · Koji SHIMADA · Shigeru SUEOKA · Ken-ichi YASUE · Masakazu NIWA · Koji UMEDA</p> <p>16 : 45 R24-O-4 Study on influence of fault activity to geological environment, case study at the Mizunami Underground Research Laboratory Eiji SASAO · Masayuki ISHIBASHI · Koji KUBOSHIMA · Hiroaki MURAKAMI</p> <p>17 : 00 R24-O-5 Microbial sulfate reduction and sulfur isotope fractionations in deep groundwater at Mizunami underground research laboratory Akinari HIROTA · Yoko TOGO · Kazumasa ITO · Yohey SUZUKI · Akari FUKUDA · Yuta KONNO · Urumu TSUNOGAI · Daisuke KOMATSU · Seiya NAGAO · Teruki IWATSUKI</p> <p>17 : 15 R24-O-6 Geochemical and mineralogical characterizations of altered bentonite interacted with alkaline fluids, northwestern Luzon, Philippines Minoru YAMAKAWA · Naoki FUJII · Tsutomu SATO</p> <p>17 : 30 R24-O-7 Formation process of fracture and fracture filling minerals in Hyuga Group, Shimanto Belt, and its permeability Takuya ONO · Hidekazu YOSHIDA · Akihiro OSHIMA</p> <p>17 : 45 R24-O-8 Iron-oxide in underground environment and high-level radioactive waste disposal: Analysis of influence on nuclide migration scenario Hidekazu YOSHIDA · Koshi YAMAMOTO</p>	<p>14 : 30 R14-O-1 (Invited) Controls on plate motion by oscillating tidal stress: Evidence from deep tremors in western Japan Satoshi IDE · Yoshiyuki TANAKA</p> <p>15 : 00 R14-O-2 Thermal structure and distribution of melt and water in subduction zones Kazuhiko ISHII</p> <p>15 : 15 R14-O-3 Geological occurrences of ductile-brittle transition along shallow subduction zone Yoshitaka HASHIMOTO · Natsuko YAMANO</p> <p>15 : 30 R14-O-4 A structural traverse across the Shimanto belt in western Shikoku, Japan Kiyokazu OOHASHI · Kyuichi KANAGAWA</p> <p>15 : 45 R14-O-5 K-Ar age of mica clay minerals in a fault rock of the Mugi Melange, Shimanto accretionary complex, eastern Shikoku, Japan Satoshi TONAI · Shun ITO · Yoshitaka HASHIMOTO · Hajimu TAMURA</p> <p>16 : 00 R14-O-6 (Invited) Geological interpretation of InSAR image: Volcanic subsidence triggered by megathrust earthquakes Youichiro TAKADA</p> <p>16 : 30 R14-O-7 Geological and experimental evidence for coseismic laminar and non-laminar flow Kohtaro UJIIE · Tsubasa SAITO · Akito TSUTSUMI</p> <p>16 : 45 R14-O-8 Structural characteristics of the mega-splay fault (out-of-sequence thrust) in the post-Miocene accretionary complex in the Boso Peninsula, central Japan Yuzuru YAMAMOTO · Shun CHIYONOBU · Yohei HAMADA · Nana KAMIYA · Saneatsu SAITO · Yasuhiro YAMADA</p> <p>17 : 00 R14-O-9 Plate boundary rocks in Jurassic accretionary complexes in Japan as on-land analogs of the Japan Trench Asuka YAMAGUCHI · Hironori OTSUKA · Takanori OJIMA · Rina FUKUCHI · Wataru TANIKAWA · Yohei HAMADA · Kotaro UJIIE</p> <p>17 : 15 R14-O-10 Change in the Raman spectra of carbonaceous material across the fault: an example from the thrust in the Jurassic Inuyama chert-clastic complex Hiroki TABATA · Kohtaro UJIIE · Yui KOUKETSU · Hiroyuki KAGI</p> <p>17 : 30 R14-O-11 The construction of the Raman frictional heating thermometer using carbonaceous material on faults Hiroyuki FURUICHI · Yui KOUKETSU · Kohtaro UJIIE · Tsubasa SAITO · Akito TSUTSUMI · Simon WALLIS</p> <p>17 : 45 R14-O-12 Three dimensional texture of natural pseudotachylyte and estimation of the slip behavior Yohei HAMADA · Gaku KIMURA · Jun KAMEDA · Asuka YAMAGUCHI · Mari HAMAHASHI · Rina FUKUCHI · Yujin KITAMURA · Reiji KAWASAKI · Shinya OKAMOTO</p>

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