

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

■ 15 Monday, AM

Loc	Room 1 (111)	Room 2 (121)	Room3 (131)
	S1. Biology and environments of Kyushu Island when it was linked to the Eurasian continent	R10. Origin of carbonate rocks and related global environments	T5. Studies on the post-Hadean
	Chairs: Haruo SAEGUSA (1-4), Ren HIRAYAMA (5-8), Hideo NAKAYA (General Discussion)	Chairs: Hirokazu KATO (1-3), Natsuko ADACHI (4-7), Chizuru TAKASHIMA (8-10)	Chairs: Yukio ISOZAKI (1, 4-6), Yukiyasu TSUTSUMI (2-3)
8 : 45	<p>9 : 00 Introduction to Symposium "Biology and environments of Kyushu Island when it was linked to the Eurasian continent" Hideo NAKAYA</p> <p>9 : 10 Dinosaur fossils from the Upper Cretaceous in Shimokoshikijima Island, Kagoshima Prefecture Takanobu TSUIHIJI · Toshifumi KOMATSU</p> <p>9 : 35 Terrestrial vertebrate fossils from the Upper Formation of the Mifune Group, Kumamoto Prefecture, Japan Naoki IKEGAMI</p> <p>9 : 45 Fossil turtles from the Early Cretaceous to Early Neogene of Kyushu, Japan Ren HIRAYAMA</p> <p>10 : 10 Large land mammals from the Paleogene of Kyushu, Japan Kazunori MIYATA</p> <p>10 : 35 Neogene proboscideans and other mammals of Kyushu and its surrounding area. Haruo SAEGUSA</p> <p>11 : 00 Break</p> <p>11 : 10 Eocene-Oligocene floral change and climate inferred from the plant megafossil assemblages from former coal-fields in western Japan Atsushi YABE</p> <p>11 : 35 Mesozoic floras and paleoenvironments of Japan inferred from paleopalynology Julien LEGRAND · Atsushi YABE · Kazunori MIYATA · Harufumi NISHIDA</p> <p>11 : 45 Geologic evolution of Kyushu Island: focusing on the ages and distributions of Cretaceous to Paleogene accretionary complexes and non- accretionary sedimentary rocks Makoto SAITO</p> <p>12 : 10 General Discussion</p>	<p>9 : 00 Cambrian reef characteristics and their successions in Shandong Province, North China Natsuko ADACHI · Yoichi EZAKI · Jianbo LIU</p> <p>9 : 15 Geobiological importance of sponges for the Cambrian to Lower Ordovician reef construction on the North and South China blocks: inconspicuous leading players Yoichi EZAKI · Natsuko ADACHI · Jianbo LIU</p> <p>9 : 30 Middle Permian sponge-microencruster community in building stones from the Akiyoshi Limestone Tsutomu NAKAZAWA · Toshie IGAWA · Masayuki FUJIKAWA · Katsumi UENO</p> <p>9 : 45 Reconstruction of baseline of coral reef ecosystems based on the record of fossil corals from raised reefs in the northwest Pacific Chuki HONGO · Chuan-Chou SHEN</p> <p>10 : 00 Methane-derived aragonite concretion from the Upper Miocene Nodani Formation in Joetsu City, Niigata Prefecture, Japan Yusuke MIYAJIMA · Yumiko WATANABE · Yukio YANAGISAWA · Hakuichi KOIKE · Hiroshige MATSUOKA · Kazutaka AMANO</p> <p>10 : 15 Differential dissolution technique for carbonate minerals and its application to limestones Kotaro TOYAMA · Yasutaka TERAOKA</p> <p>10 : 30 Chemical processes in karst and paleoenvironmental information recorded in speleothems Kazuhisa YOSHIMURA</p> <p>11 : 00 Differences of the growth process of stalagmite and the mechanism of groundwater percolation beneath different vegetation in Minami- Daito Island, Okinawa Prefecture, southwest Japan. Hiroki MATSUDA · Mika KASHIMA · Yuya SATO · Kazuhisa YOSHIMURA · Jun SHIMADA</p> <p>11 : 15 Periodic changes in past precipitation inferred from stable oxygen isotope profile in a stalagmite from Uchimagi-do Cave, Iwate Prefecture. Hirokazu KATO · Tsutomu YAMADA · Hiroki MATSUDA · Kousuke KURISAKI · Kazuhisa YOSHIMURA</p> <p>11 : 30 Can speleothems record tsunami events? Tsutomu YAMADA · Hirokazu KATO</p>	<p>9 : 45 Studies on the post-Hadean world Yukio ISOZAKI, Yukiyasu TSUTSUMI</p> <p>10 : 00 Method of search for primordial continent of Hadean Earth Shigenori MARUYAMA · Hikaru SAWADA · Yukio ISOZAKI</p> <p>10 : 30 New perspectives on detrital zircon study: from Earth's surface to the core Shinji YAMAMOTO · Tsuyoshi KOMIYA · Masahiko SATO · Shuhei SAKATA · Kentaro HATTORI · Takahumi HIRATA</p> <p>10 : 45 The age frequency distributions of the past continental crust through detrital zircon chronology Hikaru SAWADA · Shigenori MARUYAMA · Shuhei SAKATA · Takafumi HIRATA</p> <p>11 : 00 Ab Initio Earth and Planetary Science Taku TSUCHIYA</p> <p>11 : 30 Role of the second continent Kenji KAWAI · Shinji YAMAMOTO · Hiroki ICHIKAWA · Shigenori MARUYAMA</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.

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

■ 15 Monday, AM

Loc	Room 4 (122)	Room 5 (124)	Room 6 (125)
	R20. Engineering geology and non-tectonic structures	R22. Quaternary geology	T2. Cultural geology
	Chairs: Tetsuya TOKIWA (1-4), Ken-ichi NISHIYAMA (5-8)	Chairs: Takashi UCHIYAMA (1-3), Koji SETO (4-7)	Chairs: Masahiro ICHIDA (1-5), Hisashi SUZUKI (6-9)
8 : 45	<p>9 : 15 R20-O-1 (Invited) Sediment-related disaster and disaster prevention in Kyushu, Japan Takashi JITOUSONO</p> <p>9 : 45 R20-O-2 Frequency of occurrence of debris flow at the caldera wall slopes of Aso volcano, Central Kyushu Ken-ichi NISHIYAMA · Masayuki TORII · Kazuhiro HOSHIDE · Tsuyoshi WAKATSUKI · Shuichiro YOKOTA · Yudzuru INOUE · Ken-ichi NAKAO</p> <p>10 : 00 R20-O-3 Landslides and its countermeasures around the capital Tegucigalpa of Honduras Kiyoharu HIROTA</p> <p>10 : 15 R20-O-4 Swarm of cave-ins caused with replacement construction of a JR line for Yanba Dam in the northwestern part of Gunma prefecture- considering geologically Shohachi NAKAMURA · Hiroyuki TAKEMOTO</p> <p>10 : 30 R20-O-5 Concealed faults in central part of the Matsumoto Basin. An example of underground imaging defined by microtremor array survey (SPAC method). Satoru HARAYAMA · Shinshu-university Seismic Ground Motion Research Group</p> <p>10 : 45 R20-O-6 Deciphering boulder mobility and its age from a single tsunami boulder: a paleomagnetic dating Norihiro NAKAMURA · Tetsuro SATO</p> <p>11 : 00 R20-O-7 Influence of different excavation methods on rock mass damage in the Horonobe Underground Research Laboratory Tetsuya TOKIWA</p> <p>11 : 15 R20-O-8 (Invited) What is the factor of social acceptance of geological disposal?: from the sociopsychological points of view Hideaki OSAWA</p>	<p>9 : 45 R22-O-1 (Invited) Paleoenvironmental changes of last 10,000 years from Nakdong River Estuary sediments, Korea Daekyo CHEONG · Seik PAIK · Seungwon SHIN · Yonghee PARK</p> <p>10 : 00 R22-O-2 Paleoenvironment of Matsue plane, Shimane prefecture, southwest Japan (1) Masami WATANABE · Koji SETO</p> <p>10 : 15 R22-O-3 Paleoenvironment of Matsue plane, Shimane prefecture, southwest Japan (2) Koji SETO · Masami WATANABE · Kazuyoshi YAMADA · Katsumi TAKAYASU</p> <p>10 : 30 R22-O-4 On the absorption of heavy metal ions for volcanic ash distributed in the Hitoyoshi basin, Kumamoto prefecture -part2- Hiroki TEJIMA · Noriko HASHIMOTO · Kazuo KAMURA · Masanori KURIHARA</p> <p>10 : 45 R22-O-5 For the extreme drawdown of the lake level of Lake Kawaguchi of Fuji FiveLakes in 2013 Takashi UCHIYAMA · Shinya YAMAMOTO · Akiho KASAI</p> <p>11 : 00 R22-O-6 Report of the organic walled microfossil (dinocyst) analysis to clarify the origin of event sediments. Keiichi HAYASHI · Yoshihiro KASE · Kenji NISHINA · Gentaro KAWAKAMI · Ken'ichi KOSHIMIZU · Yasuhiro TAKASHIMIZU · Tatsuya WATANABE · Ryo TAKAHASHI · Wataru HIROSE · Sunao OHTSU · Satoshi ISHIMARU · Hiroshi FUKAMI · Jun TAJIKA</p> <p>11 : 15 R22-O-7 Pleistocene red soils in Hokkaido, north Japan-Northern limits of their formation- Takao NAKAGAWA</p>	<p>9 : 00 T2-O-1 Kulturgeologie/Cultural geology Hisashi SUZUKI</p> <p>9 : 15 T2-O-2 (Invited) The relationship between granite and human life Akio CHO</p> <p>9 : 45 T2-O-3 Usage of the building stones in the remains of Kino-jyo castle Yousuke NOUMI · Syuichi KAMEDA</p> <p>10 : 00 T2-O-4 Diverse granite producing areas in and around the Seto Inland Sea, Japan. Mutsuko INUI</p> <p>10 : 15 T2-O-5 Stone utilization and disaster culture with reference to Rokko Granite and Genbudo Basalt Tohru SAKIYAMA · Noritaka MATSUBARA</p> <p>10 : 30 T2-O-6 Understanding of Natural Scenery with Workings of Earth and Culture: as an Example of the Togawa Whetstone from Tanzawa and Hadano City Kiminori TAGUCHI · Masahito KADOTA</p> <p>10 : 45 T2-O-7 Relationship between limestone-work and studies of fusulinoids from Japan in the Edo to Meiji Era Masahiro ICHIDA</p> <p>11 : 00 T2-O-8 (Invited) Geological consideration on 1200 year-long Kyoto Culture Kenichi HARADA</p> <p>11 : 30 T2-O-9 Geology, Environmental Changes and Human History in West Asia Ryo ANMA</p>

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Loc	Room 7 (212, 213)	Room8 (211)
	R23. History of the Earth	R15. Tectonics
	Chairs: Junichiro KURODA (1-5), Itsuki SUTO (6-10)	Chairs: Jun MUTO (1-4), Masahiro ISHIKAWA (5-7), Tatsuya ISHIYAMA (8-10)
8 : 45	<p>9:00 R23-O-1 Geochemical cycles of P and Fe during early diagenesis in Lake Kai-ike sediments, Kamikoshiki Island, southwest Japan Hajime IIDA · Kosei E. YAMAGUCHI · Kazumasa OGURI</p> <p>9:15 R23-O-2 Carbonate system of Ayeyarwady and Mekong Rivers in the Himalayan watershed and its impact on the global carbon cycle Souya OTANI · Takuya MANAKA · Takeshige ISHIWA · Atsushi SUZUKI · Roachanakanan RAYWADEE · Hodaka KAWAHATA</p> <p>9:30 R23-O-3 Reconstructing the paleoenvironment of the Gulf of Aden and its surrounding lands Yuta ISAJI · Hodaka KAWAHATA · Naohiko OHKOUCHE · Masashi MURAYAMA · Kensaku TAMAKI</p> <p>9:45 R23-O-4 Variability of the polar front and seasonal sea ice coverage in the Indian sector of the Southern Ocean Minoru IKEHARA · Masako YAMANE · Yusuke YOKOYAMA</p> <p>10:00 R23-O-5 Luminescence dating for deciphering decadal changes of a deltaic shoreline Toru TAMURA</p> <p>10:15 R23-O-6 Paleoenvironmental variation of sea surface layer around the Iberian margin associated with change of the Mediterranean Outflow Water during the late Miocene to Pleistocene Satoshi FUROTA · Ken SAWADA</p> <p>10:30 R23-O-7 A review of evaporite formation and Messinian Salinity Crisis Junichiro KURODA · Toshihiro YOSHIMURA · Hodaka KAWAHATA · Francisco J. JIMENEZ-ESPEJO</p> <p>10:45 R23-O-8 (Invited) PDRM lock-in and refining of the geomagnetic reversal ages Yusuke SUGANUMA</p> <p>11:15 R23-O-9 Paleoceanographic variation recorded by diatom assemblage in the Gulf of Alaska (ODP Site 887 and IODP Site U1417), Northeastern Pacific during the Neogene Akemi FUKUMURA · Itsuki SUTO · Susumu KONNO · Romero OSCAR · Ken SAWADA · IODP EXP. 341 Scientists</p> <p>11:30 R23-O-10 Alteration of ocean floor basalts in the Archean: Silicification and hydrothermal metamorphism Tsuyoshi KOMIYA</p>	<p>8 : 45 R15-O-1 (Invited) Surface ruptures and earthquake hazards Young-Seog KIM · Jin-Hyuck CHOI</p> <p>9 : 00 R15-O-2 (Invited) The biggest earthquake of the century in Thailand Weerachat WIWEGWIN · Suwith KOSUWAN · Tawsaporn NUCHANONG</p> <p>9 : 15 R15-O-3 (Invited) Middle Miocene swift migration of the TTT triple junction and rapid crustal growth in SW Japan Gaku KIMURA · Yoshitaka HASHIMOTO · Yujin KITAMURA · Asuka YAMAGUCHI · Hiroaki KOGE</p> <p>9 : 45 R15-O-4 (Invited) Seismic activity in Kyushu, Japan and its relation to the crustal structure Satoshi MATSUMOTO</p> <p>10 : 15 R15-O-5 Active Tectonics of off-Noto peninsula and Kanazawa by two ships seismic reflection profiling Naoko KATO · Hiroshi SATO · Tatsuya ISHIYAMA · Susumu ABE · Kazuya SHIRAISHI</p> <p>10 : 30 R15-O-6 Deep to shallow crustal structure and active tectonics of the Toyama trough and its surrounding region, based on multi-scale seismic reflection profiling Tatsuya ISHIYAMA · Hiroshi SATO · Naoko KATO · Susumu ABE · Kazuya SHIRAISHI · Motonori HIGASHINAKA · Shin KOSHIIYA · Kenta KOBAYASHI · Tetsuya TAKEDA · Makoto MATSUBARA · Shigeru TODA</p> <p>10 : 45 R15-O-7 Crustal structure of northern Fossa Magna and off Hokuriku area : Does the plate boundary between North America and Eurasia plate exist in central Japan? Hiroshi SATO · Tatsuya ISHIYAMA · Naoko KATO · Mitsuru INABA</p> <p>11 : 00 R15-O-8 Subsurface structure of the Inadani fault zone revealed by the high resolution seismic reflection survey in 2008SCAT Tanio ITO · Ken'ichi KANO · Nobuyuki MATSUSHIMA · Takeshi MURAMATSU · Susumu ABE · Akira FUJIWARA · Shinsuke KIKUCHI · Kazunori MURATA · Yasutaka IKEDA · Satoshi YAMAKITA · Takeshi KUDO · Hiroshi SATO · Heitaro KANEDA · Takahiro MIYAUCHI · Shintaro ABE</p> <p>11 : 15 R15-O-9 Lithology of Philippine Sea slab under Izu collision zone Masahiro ISHIKAWA · Yumiko TSUBOKAWA · Satoko HONDA</p> <p>11 : 30 R15-O-10 Estimation of rock composition of crust based on measurements of elastic wave velocities: a case study of the Hidaka Metamorphic Belt Koichi YAMAUCHI · Masahiro ISHIKAWA · Tsuyoshi TOYOSHIMA · Hiroshi SATO</p>

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Loc	Room 1 (111)	Room 2 (121)	Room 3 (131)
	R1. Plutonic rocks, volcanic rocks and magmatic processes	R11. Sedimentary facies and processes	T4. Detrital zircon chronology: its future and further applications
	Chairs: Atsushi KAMEI (1-4), Masaki YUHARA (5-8), Mami TAKEHARA (9-10)	Chairs: Yasuhiro TAKASHIMIZU (1-5), Naohisa NISHIDA (6-10), Miwa YOKOKAWA (11-14)	Chairs: Yukio ISOZAKI (1-3), Shinji YAMAMOTO (4-7)
14 : 30	<p>14 : 30 R1-O-1 The geochemical signatures of the 37Ma igneous rocks in the Hidaka Metamorphic Belt Moeru KOJIMA · Miyuki OHASHI · Toshiaki SHIMURA</p> <p>14 : 45 R1-O-2 Petrology and geochronology of late Cambrian granitic rocks from southern Kitakami Mountains, Japan Nobutaka TSUCHIYA · Koshi YANAGISAWA · Jun SASAKI · Tatsuro ADACHI · Nobuhiko NAKANO · Yasuhiro OSANAI</p> <p>15 : 00 R1-O-3 Late cretaceous magmatism in the northern part of Uetsu area, Japan Ryosuke KATO · Shin-ichi KAGASHIMA · Nobuhiko NAKANO · Yasuhiro OSANAI</p> <p>15 : 15 R1-O-4 U-Pb and K-Ar ages of the Tadami-gawa granitic rocks, southwestern part of Fukushima prefecture, northeastern part of Japan Yuki WAKASUGI · Yudai TANIOKA · Motohiro TSUBOI · Yoshihiro ASAHARA</p> <p>15 : 30 R1-O-5 Process of a magma chamber revealed by U-Pb ages and trace element contents in zircons: an example from the Ishizuchi Cauldron Mami TAKEHARA · Kenji HORIE · Kenichiro TANI · Takeyoshi YOSHIDA · Tomokazu HOKADA · Shoichi KIYOKAWA</p> <p>15 : 45 R1-O-6 Kyanite-bearing tonalites from Cape Hinode, Prince Olav Coast, East Antarctica: in special reference to those occurring as a vein in a calc-silicate block Yu SUN · Yoshikuni HIROI · Masaaki OWADA</p> <p>16 : 00 R1-O-7 Source mantle of the Cretaceous magmatism in the North Kyushu and western Ryoke belt Masaaki OWADA · Ryohei URASHIMA · Atsushi KAMEI · Yasuhiro OSANAI · Nobuhiko NAKANO · Tatsuro ADACHI</p> <p>16 : 15 R1-O-8 Felsic Melt/Peridotite Interaction Observed in Magarisawa Peridotite Body, Hidaka Mountains, Hokkaido: A Preliminary Result Kohei YAMASHITA · Jinichiro MAEDA</p> <p>16 : 30 R1-O-9 Whole-rock major element chemistry of mid-ocean ridge gabbros: A review Jinichiro MAEDA · Toru YAMASAKI</p> <p>16 : 45 R1-O-10 Appearance and disappearance of pigeonite due to ultrametamorphism: Partial melting and assimilation at the roof of magma chamber beneath fast-spreading ocean ridges Sumio MIYASHITA · Yoshiko ADACHI</p>	<p>14 : 30 R11-O-1 Study of sedimentary process by facies classification about 3.11 Tsunami deposit at Minami-Souma City Katsuichi OOTA · Koichi HOYANAGI</p> <p>14 : 45 R11-O-2 Classification of surface facies of tsunami origin sediment at Hirota bay Yuka YOKOYAMA · Izumi SAKAMOTO · Masatoshi YAGI · Satsuki IJIMA · Kenji NEMOTO · Mikio FUJIMAKI · Yoshihiro FUJIWARA · Takafumi KASAYA</p> <p>15 : 00 R11-O-3 Possible tsunami deposit discovered from Yumigahama Peninsula, western Tottori Prefecture and its significance Tetsuya SAKAI · Koji SETO · Yoshimasa YASUMOTO · Shogo HAYASHI · Seishi TASHIRO</p> <p>15 : 15 R11-O-4 Suspended sediment-transport capacity considering conservation of kinetic turbulence energy and hindered settling Hajime NARUSE · Daisuke SUGAWARA · Kazuhisa GOTO</p> <p>15 : 30 R11-O-5 Process of Submarine Channel Development: Examination by Flume Experiment Nobutaka SATO · Hajime NARUSE</p> <p>15 : 45 R11-O-6 A preliminary report on the classification of the so called slumped deposits Shuichi TOKUHASHI</p> <p>16 : 00 R11-O-7 Geometry of cyclic steps generated by turbidity currents: Examples from Squamish delta in British Columbia, Canada Miwa YOKOKAWA · Shinya YAMAMOTO · John E. HUGHES CLARKE · Norihiro IZUMI</p> <p>16 : 15 R11-O-8 Characteristics of a contourite sequence with bigradational grading based on grain-size analyses and AMS 14C dating Yasuhiro TAKASHIMIZU · Ryohei KAWAMURA · E. DUCASSOU · F. J. HERNANDEZ-MOLINA · D.A.V. STOW · C. ALVAREZ-ZARIKIAN · EXP. 339 Scientists</p> <p>16 : 30 R11-O-9 Sedimentary development of Holocene Hashirikotan barrier spits controlled by crustal movement due to southern Kuril subduction. Futoshi NANAYAMA · Kiyoyuki SHIGENO · Kazuaki WATANABE · Hideki YOSHIKAWA · Takeshi HASEGAWA · Yasuo IKEDA · Yaeko IGARASHI · Fumio AKIBA · Yasuto UCHIDA · Kazuto ISHIWATA</p> <p>16 : 45 R11-O-10 Evaluation of gravity flow depositional systems by plant-derived biomarker analysis of sediments from the Miocene Kawabata Formation, Yubari, Hokkaido, Japan. Satoshi FUROTA · Ken SAWADA · Gentaro KAWAKAMI</p> <p>17 : 00 R11-O-11 Depositional process of massive sand-stone beds of the upper Cretaceous Himenoura Group in Amakusa Islands, Kyushu, western Japan. Hikaru TAKEMOTO</p> <p>17 : 15 R11-O-12 The 29Ma eustatic fall event examined from depositional facies and SHRIMP age of the Ashiya Group Takashi SAKAI · Kenji HORIE · Mami TAKEHARA</p> <p>17 : 30 R11-O-13 3D seismic geomorphological analysis of Eocene to Miocene depositional system transition and background tectonics in the Sanriku-oki forearc basin: changes from bay head deltas, continental rivers to deep marine slopes caused by unconformity events Osamu TAKANO · Mizue NISHIMURA</p> <p>17 : 45 R11-O-14 Formation of sequence boundaries and amplitude of sea level change in Pleistocene: Results from IODP, New Zealand shelf-slope drilling Koichi HOYANAGI · Megumi NAKAMURA · Katsura YAMADA · Shungo KAWAGATA · Peter BLUM · Craig S. FULTHORPE</p>	<p>14 : 30 T4-O-1 Anatomy and chronology of the detrital shocked zircons in the Jack Hills metaconglomerate, western Australia. Shinji YAMAMOTO, Tsuyoshi KOMIYA, Shuhei SAKATA, Kentaro, HATTORI, Takeshi, HIRATA</p> <p>14 : 45 T4-O-2 (Invited) Constraints for sedimentary ages and paleo-provenance of the accretionary complex exposed at northwest Wales Yusuke SAWAKI · Hisashi ASANUMA · Kazue SUZUKI · Yoshihiro OKADA · Shigenori MARUYAMA</p> <p>15 : 00 T4-O-3 Demonstration of the Pacific-type orogeny forming northwest Wales region, U.K. Hisashi ASANUMA · Yoshihiro OKADA · Yusuke SAWAKI · Shinji YAMAMOTO · Takafumi HIRATA · Shigenori MARUYAMA</p> <p>15 : 15 T4-O-4 Provenance history of Baltica from the Ediacaran to Devonian Yukio ISOZAKI, Hiroki NAKAHATA, Anne POLDVERE, Heikki BAUERT, Shuhei SAKATA, Takafumi HIRATA</p> <p>15 : 30 T4-O-5 Anatomy of collision-type orogen Himalaya by means of U-Pb and FT double dating of zircons Harutaka SAKAI · Tetsuo KAWAKAMI · Katsushi SATO · Takafumi HIRATA · Wataru KOBAYASHI · Hideki IWANO · Tohru DANHARA</p> <p>15 : 45 T4-O-6 Reconstruction of tectonic process in fore-arc region: zircon U-Pb ages from Jurassic and Cretaceous accretionary complexes in the Mitsumine area, Kanto Mountains Kazumasa AOKI · Tomohiko SATO · Shinji YAMAMOTO · Shuhei SAKATA · Takafumi HIRATA</p> <p>16 : 00 T4-O-7 U-Pb and Fission track zircon ages from the Kamuikotan metamorphic rocks in Asahikawa district, northern Japan: toward the reconstruction of tectonics Ayumi OKAMOTO S. · Toru TAKESHITA · Hideki IWANO · Tohru DANHARA · Hirotsugu NISHIDO · Keewook YI · Takafumi HIRATA · Shuhei SAKATA</p>

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Loc	Room 4 (122)	Room 5 (124)	Room 6 (125)
	T3. Green Tuff renaissance	R22. Quaternary geology	R5. Regional geology and stratigraphy
	Chairs: Jun HOSOI (1-2), Noritaka MATSUBARA (3-5), kazuo AMANO (6-7)	Chairs: Kotaro HIROSE (8-12), Fujio KUMON (13-16)	Chairs: Takayuki UCHINO (1-4), Yoshiaki SUGAMORI (5-8), Kiyoshi KATO (9-12)
14 : 30	<p>14 : 30 T3-O-1 (Invited) Revision of the Cenozoic stratigraphy in the Oga Peninsula, NE Japan and the geologic development of the Japan Islands Kazuhiko KANO</p> <p>15 : 00 T3-O-2 Development of the Green Tuff tectonics in Japan Kazuo AMANO · Jun HOSOI · Noritaka MATSUBARA</p> <p>15 : 15 T3-O-3 The Middle Miocene tectonics and volcanism in the back-arc and the intra-arc region, Northeast Japan Jun HOSOI</p> <p>15 : 30 T3-O-4 Timing of block rotation in the southern Uetsu area in NE Japan Hiroyuki HOSHI</p> <p>15 : 45 T3-O-5 Strike-slip movement of the Tanakura Fault and basin development in the Miocene Yurie SAWAHATA · Kazuo AMANO</p> <p>16 : 00 T3-O-6 Reconstruction of a paleo-oceanic arc in the Tanzawa area, South Fossa Magna, central Japan, based on facies analysis Noritaka MATSUBARA · Kazuo AMANO</p> <p>16 : 15 T3-O-7 Age of the Taishu Group, southwestern Japan Takashi NINOMIYA · Shouichi SHIMOYAMA · Koichiro WATANABE · J. Dunkley DUNKLEY · Kenji HORIE · Kazuyuki SHIRAIISHI</p>	<p>14 : 30 R22-O-8 Magnetostatigraphy of the Plio-Pleistocene Sasaoka Formation in Akita Prefecture, NE Japan Hiroyuki HOSHI · Katsura YAMADA</p> <p>14 : 45 R22-O-9 A paleomagnetic record of the Matuyama-Brunhes boundary at the lower-middle Pleistocene GSSP candidate section of the Kazusa Group, Boso Peninsula, Japan Makoto OKADA · Toru MARUOKA · Yuuki HANEDA · Yusuke SUGANUMA · Osamu KAZAOKA</p> <p>15 : 00 R22-O-10 Tephra correlation between in the Tokai and Kobiwako Groups around boundary of the Pliocene and Pleistocene, central Japan Yasufumi SATOGUCHI</p> <p>15 : 15 R22-O-11 Depositional Process of the thick siltstone of middle part of Kokumoto Formation in the Kazusa Group, the L-M Pleistocene boundary horizon Osamu KAZAOKA · Shun KAMEYAMA · Masaaki MORISAKI · Atsushi KAGAWA · Takeshi YOSHIDA · Itaru OGITSU · Naohisa NISHIDA · Makoto OKADA · Yusuke SUGANUMA · Nobuyuki AIDA · Hisao KUMAI · Hisashi NIREI</p> <p>15 : 30 R22-O-12 Climate stratigraphy of the middle to late Quaternary in the Japanese islands based on TOC contents of lake and marine sediments Fujio KUMON · Tomohiko KIGOSHI</p> <p>15 : 45 R22-O-13 East Antarctic deglaciation and the link to global cooling during the Quaternary Yusuke SUGANUMA · Hideki MIURA · Zondervan ALBERT · Jun'ichi OKUNO</p> <p>16 : 00 R22-O-14 Discovery of the Naumann's elephant fossils bearing bed in the Oosaki, western coast of the Lake Nojiri-ko, central Japan Yoshihiro TAKESHITA · Geology Research Group for Nojiri-ko Excavation</p> <p>16 : 15 R22-O-15 Vertical changes of diatom thanatocoenoses in the 2011 Tohoku-oki tsunami deposits collected from the central and eastern parts of Matsushima Bay, Miyagi Prefecture, NE Japan. Kaoru YOSHIOKA · Toshiaki IRIZUKI · Shota SHIRAYAMA · Atsushi SUZUKI · Yuichiro TANAKA · Masayuki NAGAO · Osamu FUJIWARA · Shungo KAWAGATA · Shigenori KAWANO · Osamu NISHIMURA · Hisao SASAKI</p> <p>16 : 30 R22-O-16 Temporal variation of diatom assemblage in INW2012 sediments core from Lake Inawashiro-ko, Fukushima prefecture, over the past 1,700 years Kotaro HIROSE · Toshikazu GOTOH · Yoshitaka NAGAHASHI</p>	<p>14 : 30 R5-O-1 Correlation of Cretaceous tuff beds based on heavy mineral chemistry Reishi TAKASHIMA · Sato KUWABARA · Yuji ORIHASHI · Hiroshi NISHI</p> <p>14 : 45 R5-O-2 Sedimentary- and fossil biotic- facies transition of Mesozoic seamount-cap carbonates in Hokkaido Toshio KAWAMURA · Ken-ichi HASHIMOTO</p> <p>15 : 00 R5-O-3 Permian brachiopods from boulders in the Pliocene basal conglomerate of Hitachi, central Japan, and their tectonic implications Jun-ichi TAZAWA · Yoshibumi KIKUCHI · Akinobu NIKAIKO · Shuko ADACHI · Yohoko OKUMURA</p> <p>15 : 15 R5-O-4 Stratigraphy of tephra found from the upper part of the Otadai to Chonan Formation distributed in the Mobara district, central Japan. Hiroomi NAKAZATO · Futoshi NANAYAMA</p> <p>15 : 30 R5-O-5 Comparison of chevkinite compositions and zircon U-Pb ages of the Early Miocene volcanics from Noto Peninsula and Boso peninsula, central Japan. Yukiyasu TSUTSUMI · Koichi MOMMA · Kazumi YOKOYAMA</p> <p>15 : 45 R5-O-6 Geology of the Meso- and Paleozoic rocks of the Mino Belt, east of Mt. Funabuseyama, western Gifu. Hiroyoshi SANJO</p> <p>16 : 00 R5-O-7 Geology around the Kotogahama beach, Oda City, Shimane Prefecture: implication of the source process of <i>Singing Sands</i> Hiroki HAYASHI · Barry ROSER · Tetsuya KOMURA · Tetsuya SAKAI · Yoshikazu SAMPEI</p> <p>16 : 15 R5-O-8 Geological structures of the Mikabu greenstones and northern Chichibu Terrain in the Miune-Tsurugisan Area, Middle East Shikoku Akihiro MURATA</p> <p>16 : 30 R5-O-9 Geology of the Nagasaki (Nomo) Peninsula, western Kyushu: A preliminary study Mitsuhiro NAGATA · Yoshikazu KOUCHI · Shigeru OTOH · Kazunori MIYATA · Koshi YAMAMOTO</p> <p>16 : 45 R5-O-10 Butsuzo Tectonic Line in the Nishime area of the Hokusatsu district, South Kyushu, Japan. Toshifumi KATSUMURA · Hiroshi YAMAMOTO</p> <p>17 : 00 R5-O-11 Late Permian carbonates in the Oudom Xai-Luang Namtha area, Northern Lao. P. D. R.: Their foraminiferal faunas and geotectonic implications Katsumi UENO · Akira MIYAHIGASHI · Yoshihito KAMATA · Ken-ichiro HISADA · Hidetoshi HARA · Koji UNO · Thasinee CHAROENTITIRAT · Punya CHARUSIRI · Subin KONGTHIPAVONG · Khamseng VILAYKHAM</p> <p>17 : 15 R5-O-12 Middle Triassic acidic tuff in the Udom Xai area, Northern Lao. P. D. R. and its geological correlation Yoshihito KAMATA · Katsumi UENO · Akira MIYAHIGASHI · Ken-ichiro HISADA · Hidetoshi HARA · Kouji UNO · Thasinee CHAROENTITIRAT · Punya CHARUSIRI · Subin KONGTHIPAVONG · Khamseng VILAYKHAM</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.

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

■ 15 Monday, PM

Loc	Room7 (212, 213)	Room8 (211)
	R23. History of the Earth	R15. Tectonics
	Chairs: Tetsuji ONOUE (11-15), Tomohiko SATO (16-20)	Chairs: Yumiko HARIGANE (11-14), Kenta KOBAYASHI (15-18)
14 : 30	<p>14 : 30 R23-O-11 Depositional environment and variation in primary production during the Cenomanian-Turonian boundary reconstructed by organic geochemical analysis of sedimentary rocks from the Yezo Group, Tomamae area, Hokkaido, Japan Takuto ANDO · Hideto NAKAMURA · Ken SAWADA · Reishi TAKASHIMA · Hiroshi NISHI</p> <p>14 : 45 R23-O-12 Recognition of vegetation change associated with negative $\delta^{13}C$ excursion at the bottom of the Cenomanian-Turonian boundary event: A molecular paleontological approach Hideto NAKAMURA · Ken SAWADA · Takuto ANDO · Reishi TAKASHIMA · Hiroshi NISHI</p> <p>15 : 00 R23-O-13 Paleoenvironmental change during the mid-Cretaceous Oceanic Anoxic Event 1b Hiroshi NISHI · Sohei OGAWA · Reishi TAKASHIMA · Yoshihiro KUWAHARA</p> <p>15 : 15 R23-O-14 Nitrogen isotope chemostratigraphy of the Early Cambrian platform sequence at Three Gorges, South China Yuki TSUCHIYA · Miyuki TAHATA · Manabu NISHIZAWA · Yusuke SAWAKI · Tomohiko SATO · Tsuyoshi KOMIYA</p> <p>15 : 30 R23-O-15 Searching for the center of the "Cambrian Explosion" in the phosphorite basin in Yunnan, South China Tomohiko SATO · Yukio ISOZAKI · Xingliang ZHANG</p> <p>15 : 45 R23-O-16 Euxinia overshoot in the aftermath of Lomagundi- Jatuli event Kazumi OZAKI · Eiichi TAJIKA</p> <p>16 : 00 R23-O-17 Reconstruct and analysis of sea floor sedimentary sequence in 3.2-3.1Ga: result of DXCL drilling project in Pilbara Australia Shoichi KIYOKAWA · Takashi ITO · Minoru IKEHARA · Kosei YAMAGUCHI · Tetsuji ONOUE · Yusuke SUGANUMA · Kenji HORIE · Hiroshi NARAOKA · Tsubasa MIKI</p> <p>16 : 15 R23-O-18 Relationships among depositional environment, stratigraphy and geochemistry of the oldest BIFs in the Eoarchean-aged Nulliak supracrustal belts Shogo AOKI · Shinji YAMAMOTO · Takafumi HIRATA · Tsuyoshi KOMIYA</p> <p>16 : 30 R23-O-19 Occurrence and carbon isotope values of organic matter in the Early Archean sedimentary rocks (>3.96 Ga), Labrador, Canada: Evidence for organism in early Earth. Takayuki TASHIRO · Masako HORI · Akizumi ISHIDA · Motoko IGISU · Yuji SANNO · Tsuyoshi KOMIYA</p> <p>16 : 45 R23-O-20 The formation age of mafic rocks of Acasta Gneiss Complex by Re-Os isotope systematics Keiko KOSHIDA · Akira ISHIKAWA · Katsuhiko SUZUKI · Tsuyoshi KOMIYA</p>	<p>14 : 30 R15-O-11 Identification problem with fault and fracture zone in 1955 -Detection of deformation zone in unconsolidated period- Tatsuro YOSHIMURA</p> <p>14 : 45 R15-O-12 Mineralogical and geochemical characteristics of the fault zones of the fault activity terminated until the Early Pleistocene Tomoyuki OHTANI · Masahiro KONO · Satoru KOJIMA</p> <p>15 : 00 R15-O-13 Deformational environment of the Pleistocene Ashigara group viewed from deformed conglomerates and degree of coalification. Kenta KOBAYASHI · Masato KONAKAWA</p> <p>15 : 15 R15-O-14 Aftereffects of subduction-zone earthquakes: geological estimates on the basis of tsunami traces KOJI MINOURA · Daisuke SUGAWARA · Tohru YAMANOI · Tsutomu YAMADA</p> <p>15 : 30 R15-O-15 Gravity analysis and observation of fault outcrops on a fault system forming the Beppu Bay sedimentary basin Satoshi YAMAKITA · Takeshi KUDO · Tanio ITO</p> <p>15 : 45 R15-O-16 Imbricate structure in the Ikenodan Formation of the Shimanto supergroup in the Hokusatsu district, southern Kyushu, Japan. Shinsuke DOI · Hiroshi YAMAMOTO</p> <p>16 : 00 R15-O-17 Role of Mass Transport Complex in mini basin in Fold-and-Thrust Belt, Deepwater NW Borneo Kosuke TSUTSUI · Hiroyuki TOKUNAGA · Yukitsugu TOTAKE · Hirofumi KOBAYASHI</p> <p>16 : 15 R15-O-18 Subduction of bending Slab and Japan Sea Opening Nobuaki NIITSUMA</p>

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