

The 29th Symposium on Geo-Environments and Geo-Technics

Time Table	Friday, 29 November 2019
9:20- 9:30	Opening address, Satoshi MURAO
Session Geo-pollution, harmful geology and countermeasures	
9:30- 9:45	On the relation between successful harvesting of non-polluted rice and soil pollution in organic arsenic contaminated paddy field Hideyo TAKAHATA, Tomoyo HIYAMA, Kuniyoshi EBINA, Mitsuhiko EBINA, Hiromi EBINA, Sachiyo MASHIKO, Kazuya KIMURA, Tarou FUSE and Hisashi NIREI
9:45- 10:00	Assess man-made strata and geo-pollution - Case of valley-filled land with slag in Hyogo Prefecture - Shigeru KASAHARA
10:00-10:10	Discussion
Session International cooperation	
10:10-10:25	Collaboration with local communities in Pakistan based on the concept ethical jewelry Shoko OBATA
10:25-10:40	Activities of IUGS-IFG (2016-2019) Ritsuko SUGITA and Laurance DONNELLY
10:40-10:50	Discussion
Session Geoethics	
10:50-11:05	Misconduct in science and ethical violation Niichi NISHIWAKI
11:05-11:20	The application of blockchain in the traceable supply chain for minerals Chie MURAKAMI
11:20-11:35	Integrated happiness indices based on intentional investigation of SDGs in the research fields of environmental earth sciences Takeshi KOMAI, Michiru KURITA, Kengo NAKAMURA and Tetsuo YASUTAKA
11:35-11:45	Discussion
13:00-13:30	Core time for poster presentation
13:30-14:30	【Special lecture】 The crisis of multilateralism and the environmental governance Kakuko YOSHIDA (UN Environment Regional Office for Asia and the Pacific, Coordinator)
Session Geologic hazards	
14:30-14:45	Creation of advanced discrimination method of paleo-tsunami deposits based on ITRAX geochemical analysis Seiichiro SANDO, Kengo NAKAMURA and Takeshi KOMAI
14:45-15:00	2019 Off Yamagata Earthquake and its disaster - disaster mainly of stone torii gates Takayuki KAWABE
15:00-15:15	Characteristics of ground structure near concealed fault at Shonankokusaimura estimated by Microtremor H/V Spectral Ratio Yasuyuki IWASE, Kazuji OGAWA, Takumi MURAKOSHI and Toshihisa ITANO
15:15-15:30	About the Jinami at the 2011 Earthquake off the Pacific coast of Tohoku Hideto KIMURA and Hidetoshi MAKINO
15:30-15:40	Discussion

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Session Water cycle and groundwater basin management	
15:40-15:45	Example of damage observed in wells in the Shimousa upland : Involvement of the 2011 off the Pacific coast of Tohoku Earthquake Osamu KAZAOKA, Takeshi YOSHIDA, Itaru OGITSU, Syoichi SHIOZAKI and Naoto ITO
15:45-15:50	Paleosol as an index of paleo-water table - A case study of the Koka Formation in the Kobiwako Group - Nozomi HATANNO, Daichi TAKIGUCHI and Kohki YOSHIDA
15:50-16:05	Effect of parameterization and observation data in inverse analysis of groundwater models Katsuhiko FUJISAKI
16:05-16:20	The present situation of the monitoring system of the groundwater level of the Kanto Groundwater Basin Kunio FURUNO, Atsushi KAGAWA and Hisashi NIREI
16:20-16:35	Study on classification of ground water by multivariate analysis in Hakone area, Kanagawa prefecture Shotaro NEZU and Shinji TAKEUCHI
16:35-16:50	Characterization of groundwater around the Atera Fault in Gifu Prefecture Ryosuke HIKODA and Shinji TAKEUCHI
16:50-17:05	Use of spring water at rice farming: Example of Dohyatsu district in Shimousa upland, Chiba City, Central Japan Koichi SAITO, NPO Balance 21 and Osamu KAZAOKA
17:05-17:20	Groundwater use and ecosystem considerations - Case of groundwater change by field improvement in Wakayama Prefecture - Shigeru KASAHARA
17:20-17:30	Discussion
17:30-17:40	General discussion
17:40-18:00	Day 1 awards announcement

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Time Table	Saturday, November 30
Session Ecosystem, minerals and geological environment	
9:00- 9:15	Comparative study of geochemical aspects weathering in the landmines and submarine hydrot Haruka HATSUKAWA, Seshun RIN and Kazuo NAKASHIMA
9:15- 9:30	Study on mud power generation using abandoned agricultural land Hiyori MAEHARA and Hiroji ISHIMOTO
9:30- 9:45	Case study of the mass death of the Japanese red pine in Kirishima-jingu Shrine forest, Kagoshima Atsuko FUKUYAMA, Kazue TAZAKI, Keisyo Nakagawa, Teruaki TAKEHARA
10:00-10:10	Discussion
Session [Special Session] Earth science and human history	
10:10-10:40	[Invited talk] Ability to respond and restoring force to the accident which is read and untied from history Hiroyuki SATO
10:40-10:55	Artisanal and small-scale gold mining at Yamagano district, Kagoshima, Japan: an observation at a workshop ruin Satoshi MURAO., Yasuhiro HONDA, Ryoji TANAKA, Kazuhide ARIKAWA and Tetsuji OHNO
10:55-11:10	Utilization of 3D model in historical study of Yamagano gold mine's railway Shota TOKUDA, Yasuhiro HONDA, Ryoji TANAKA, Kazuhide ARIKAWA and Satoshi MURAO
10:10-11:25	A 3D restitution of an artisanal facility in Yamagano gold mining community, Kagoshima, Japan Kouki ARIDOME, Yasuhiro HONDA, Ryoji TANAKA, Kazuhide ARIKAWA and Satoshi MURAO
9:45- 10:00	Exposure assessment of mercury by means of multi-media transport analysis in Artisanal Small-Scale Gold Mining (ASMG) Haruhito KINOSHITA, Kengo NAKAMURA and Takeshi KOMAI
11:25-11:40	Amalgamation of Aikawa Mine in the early 17th century, Sado Island, Japan -Part 2: With special reference to start of the amalgamation- Takao NAKAGAWA
11:40-11:50	Discussion
13:00-14:00	General meeting of JSPMUG
14:00-14:30	Core time for poster presentation
Session Earth observation technology	
14:30-14:45	Proposal of Topographic Surveying Using the Low-Cost RTK-GNSS Ryoji TANAKA, Yuto SHIMOHARA, Osamu KIBANO, Naoki ISHIZAWA and Tokihumi UMEKI
14:45-15:00	Evaluation of the environmental factor in topographic change of the muddy tidal flats Kazumi AKIMOTO, Mikuniya Co. and Toyo Co.
15:00-15:10	Discussion

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Session Sustainable use of the earth and Long-term stability of the geological	
15:10-15:25	Distribution and facies of the Kokumoto Formation and the Byk-zone in the southern part of Ichihara City, central Japan Hideto KIMURA and Hisashi NIREI
15:25-15:40	Vertical movement during the Middle Pleistocene in Northeast Japan -From examples of Niigata Prefecture and Hokkaido- Takao NAKAGAWA
15:40-15:50	Discussion
Session (Special session) Anthropogenic sediments and the Jinji unconformity	
15:50-15:55 (ポスター紹介)	Litho-stratigraphy of human made strata and liquefaction-fluidization horizons at the 2011 off the Pacific coast of Tohoku Earthquake : from continuous boring geological survey in Mitsuo SATO, Osamu KAZAOKA, Jun MUROI, Syoichi SHIOZAKI, Atsushi KAGAWA, Itaru OGITSU and Takeshi YOSHIDA
15:55-16:10	The Jinji unconformity and the geo-environment in planned site for East Asian Botanical Garden Shinya SATO, Kazuya KIMURA, Hideyo TAKAHATA, Sachiyo MASUKO, Akihiro UZAWA, Tomoyo HIYAMA and Hisashi NIREI
16:10-16:25	Human-made strata in the vicinity of Ichihara City, Chiba Prefecture, Japan Yayoi YAMADA and Hisashi NIREI
16:25-16:40	Consideration about the reach of the anthropogenic sediments by the data related to geographic information system Yoshiyuki TAMURA
16:40-16:55	Eathquake Liquefaction in Toyohira-ku and Kiyota-ku, Sapporo City caused by the 2018 Hokkaido Eastern Iburi Earthquake: developmental factors consideration based on microscopic observation and particle size analysis for flowed out or erupted embankment Hiroki HONGO, Kotaro TAKECHI and Shinichi HIRONO
16:55-17:10	Litho-stratigraphy of human made strata and liquefaction-fluidization horizons at the 2011 off the Pacific coast of Tohoku Earthquake : from continuous boring geological survey in Uravasu City around Tokvo Bav. Central Japan Osamu KAZAOKA, Shoichi SHIOZAKI, Atsushi KAGAWA, Itaru OGITSU and Takeshi YOSHIDA
17:10-17:25	Stratigraphic characteristics by observation of artificial strata and comparison with artificial sediments Hiroshi TAKASHIMA and Hisashi NIREI
17:25-17:40	The definition words proposed on Anthropogenic stratigraphy Hisashi NIREI
17:40-17:50	Discussion
17:50-18:00	General discussion
18:00-18:20	Day 2 awards announcement