



International Symposium on Quaternary Environmental Changes and Humans in Asia and the Western Pacific

Program



**November 19-22, 2007
Tsukuba, Japan**

International Symposium on Quaternary Environmental Changes and Humans in Asia and the Western Pacific

Organizers

Japan Association for Quaternary Research (JAQUA)

National Institute of Advanced Industrial Science and Technology (AIST)

Supporting Organizations

INQUA Commission on Stratigraphy and Geochronology

INQUA Commission on Coastal and Marine Processes

INQUA Commission on Palaeoecology and Human Evolution

INQUA Commission on Terrestrial Processes, Deposits and History

Japan National Committee for the International Year of Planet Earth (IYPE)

Science Council of Japan

Local Organizing Committee

Eikichi TSUKUDA (Chairperson), Yoshiki SAITO (Secretary General), Takashi AZUMA, Ken IKEHARA, Chikao KURIMOTO, Kiyohide MIZUNO, Koichi SHIMOKAWA, Masanobu SHISHIKURA, Takeyuki UEKI,

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Cover photo:

Upper: Lower Pleistocene Inubo Group forms a coastal cliff along the Pacific coast near Cape Inubo, eastern part of the Kanto plain, central Japan.

Lower: Well-preserved marine terraces along the Pacific coast near Cape Muroto, southern part of the Shikoku Island, western Japan. Dominant terrace over 100m above the present sea level was possibly formed during the last interglacial period.

Cover design and photo by Masaaki YAMAGUCHI (Geological Survey of Japan, AIST)

Program at a glance

Time	Nov. 19 (Mon)	Nov. 20 (Tue)	Nov. 21 (Wed)	Nov. 22 (Thu)
8:30		Registration 8:30– (Auditorium)	Registration 8:30– (Auditorium)	Registration 8:30– (Auditorium)
09:00		Opening session (Main Hall) Plenary keynote (Main Hall)	Session 2 (Room 1) Session 3 (Main Hall)	Session 5 (Main Hall) Session 6 (Room 1)
12:00		Lunch & Posters	Lunch & Posters	Lunch & Posters
14:00		Session 1 (Main Hall)	Session 4 (Main Hall)	Plenary keynote (Main Hall) Closing session (Main Hall)
15:40				
16:00		Registration 16:00–20:00		
17:00	(Geological Museum)			
17:30	Ice-breaker 17:30–20:00			
18:00	(Geological Museum)	Conference banquet 18:00–20:30 (Cafeteria B)		

Session 1: Paleoceanography in the Western Pacific and Marginal Seas

Session 2: Geological Context and Chronology of Early Hominids in Java

Session 3: Coastal Environmental Changes and Human Activities in the Asia-Pacific Region

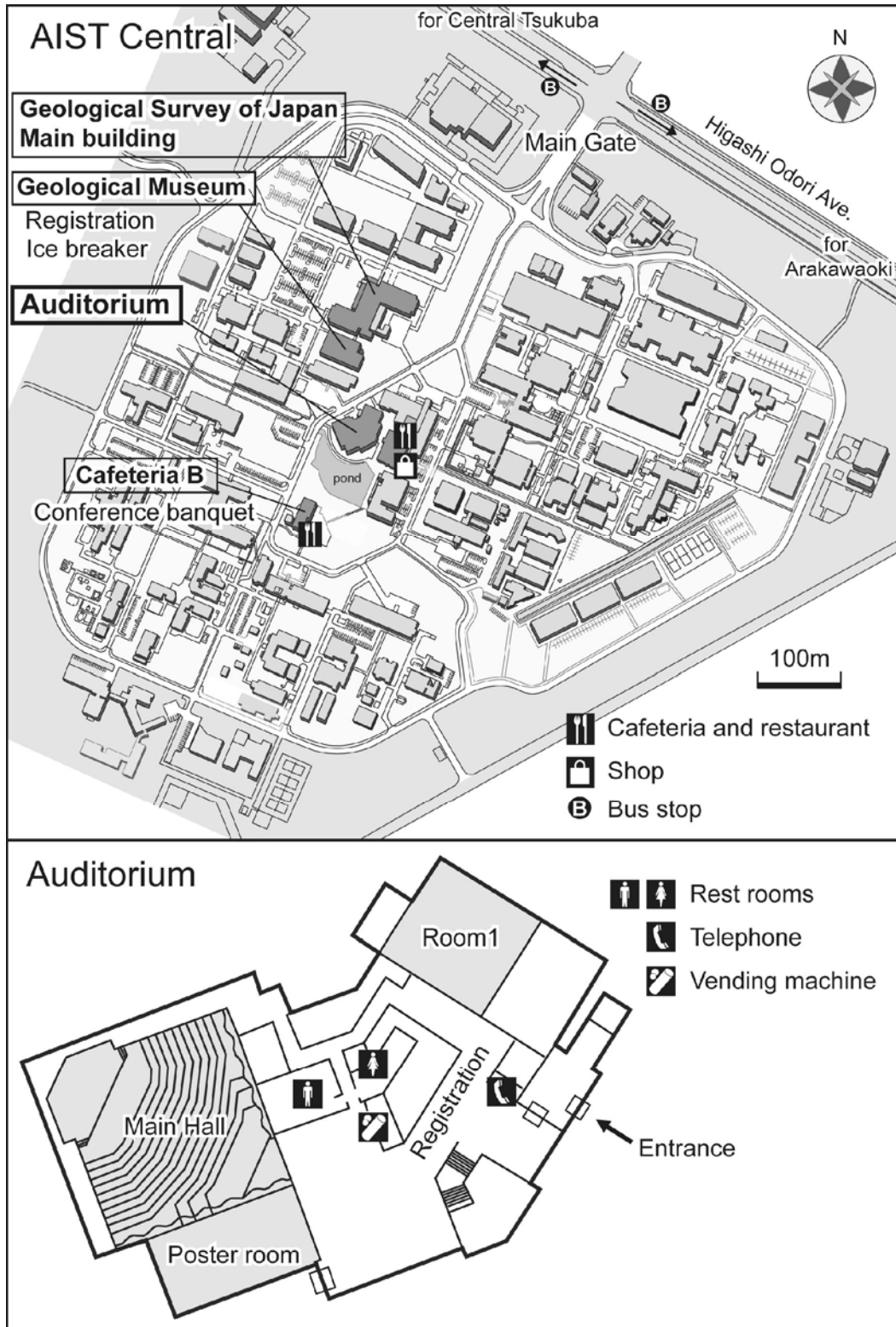
Session 4: Environmental Changes and Human Occupation in North and East Asia during OIS 3 and OIS 2

Session 5: Enormous Tectonic Events in Asia Their Effects on Landforms and Human Activity

Session 6: The Lower-Middle Pleistocene Boundary in the Asian/Pacific Region

Venue

The symposium will be at the National Institute of Advanced Industrial Science and Technology (AIST), in the auditorium in AIST Central. AIST is in Tsukuba City, about 60 km north of Tokyo and 60 km northwest of the Narita International Airport.



Program of the International Symposium on Quaternary Environmental Changes and Humans in Asia and the Western Pacific

November 20 (Tuesday) Morning:

Plenary Session 1: Main Hall

Opening session

09:00-09:10 Opening address

Eikichi TSUKUDA and Koji OKUMURA

09:10-09:30

P1-O1: International Symposium on Quaternary Environmental Changes and Humans in Asia and the Western Pacific as a memorial event celebrating the 50th anniversary of the Japan Association for Quaternary Research

Hiroshi MACHIDA and Hisao KUMAI

09:30-09:50

P1-O2: Quaternary research in China: History and activities of CHIQUA

LIU Jiaqi

09:50-10:10

P1-O3: KOQUA activities and history

Yong Ahn PARK

10:10-10:20

Quaternary research in Taiwan

Yue-Gau CHEN

10:20-10:40 Coffee break

Plenary keynote

10:40-11:20

P1-K1: Feeling the Earth's pulse from global monsoon records

Pinxian WANG

11:20-12:00

P1-K2: Some features of Quaternary studies in Japan, focusing on the tephra-based chronology of environmental changes

Hiroshi MACHIDA

12:00-13:00 Lunch

13:00-14:00 Poster session

November 20 (Tuesday) Afternoon

Session 1: Main Hall

Paleoceanography in the Western Pacific and Marginal Seas

Conveners: Tadamichi OBA (Hokkaido University),

Ken IKEHARA (Geological Survey of Japan, AIST)

14:00-14:30

S1-O1: East-west seesaw of sea surface temperature variation in the mid-latitude North Pacific on orbital and millennial time scales

Masanobu YAMAMOTO

14:30-15:00

S1-O2: High-resolution radiolarian analysis for the late Pleistocene paleoceanography in the Bering Sea

Takuya ITAKI, Boo-Keun KHIM, Sunghan KIM, Masao UCHIDA, Kota KATSUKI, Ken'ichi OHKUSHI, Kana NAGASHIMA, Stephan RELLA and Ryuji TADA

15:00-15:30

S1-O3: Variation of geochemical properties in the Japan Basin, northeastern East Sea (Sea of Japan) during the last 170kyr

Boo-Keun KHIM, Ken IKEHARA, Tomohisa IRINO, Takuya ITAKI and Ryuji TADA

15:30-15:50 Coffee break

15:50-16:20

S1-O4: Late Quaternary variability of the Kuroshio in the Northwestern Pacific based on multiple geochemical proxies

Minoru IKEHARA

16:20-16:50

S1-O5: The last 100 kyr in tropical western Pacific: Insights from East and South China Sea marine cores

Min-Te CHEN

16:50-17:20

S1-O6: A paleoclimate study of Asian equatorial regions using Indonesian speleothems: an overview

Takahiro TAGAMI, Yumiko WATANABE, Hiroshige MATSUOKA, Jun UEDA, Sinji OHSAWA, Makoto YAMADA, Koichi KITAOKA, Msashi KIGUCHI, Takehiko SATOMURA, Saburo SAKAI, Shun'ichi NAKAI, Budi Brahmantyo, Khoiril A. Maryunani, Keiji TAKEMURA and Shigeo YODEN

November 21 (Wednesday) Morning

Session 2: Room 1

Geological Context and Chronology of Early Hominids in Java

Convener: Shuji MATSU'URA (Ochanomizu University)

09:00-09:30

S2-O1: Geochronological problems on the early hominids of Java; State of the art

Shuji MATSU'URA, Masayuki HYODO and Hisao KUMAI

09:30-09:55

S2-O2: Outline of geology on the hominid fossil bearing Pleistocene sediments on Java Island

Hisao KUMAI, Yoshihiro TAKESHITA, Masayuki HYODO, Shuji MATSU'URA, Megumi KONDO and Fachroel AZIZ

09:55-10:20

S2-O3: Towards the reconstruction of the fission-track chronology of Javanese palaeoanthropological sites based on volcanic ash analysis and the evaluation of the dating samples

Tohru DANHARA, Shuji MATSU'URA, Masayuki HYODO, Megumi KONDO, Yoshihiro TAKESHITA, Fachroel AZIZ, SUDIJONO and Hisao KUMAI

10:20-10:35 Coffee break

10:35-11:00

S2-O4: Matuyama-Brunhes magnetic polarity boundary constraining the younger limit for the uppermost Sangiran hominid fossil

Masayuki HYODO, Yuko KAMISHIMA, Shuji MATSU'URA, Megumi KONDO, Yoshihiro TAKESHITA, Tohru DANHARA, Fachroel AZIZ, SUDIJONO and Hisao KUMAI

11:00-11:30

S2-O5: Faunal stratigraphy of hominid sites in Java, Indonesia: with special reference to vertebrate fossils from Sambungmacan

Fachroel AZIZ

11:30-12:00

S2-O6: The provenance determination of the hominid fossils from Java Island by multi-element

analysis

Megumi KONDO, Shuji MATSU'URA, Fachroel AZIZ, Masayuki HYODO, Yoshihiro TAKESHITA and Hisao KUMAI

12:00-13:00 Lunch

13:00-14:00 Poster session

November 21 (Wednesday) Morning

Session 3: Main Hall

Coastal Environmental Changes and Human Activities in the Asia-Pacific Region

Conveners: Yoshiki SAITO (Geological Survey of Japan, AIST), Yusuke YOKOYAMA (University of Tokyo), Till J.J. HANEBUTH (University of Bremen)

09:00-09:20

S3-O1: Last glacial global ice volume and sea-level changes

Yusuke YOKOYAMA

09:20-09:50

S3-O2: Holocene coastal changes in the Lower Khuzestan Plain (SW-Iran, Lower Mesopotamian Plain): A product of sea-level - fluvial sediment forcing and anthropogenic impact

Vanessa M.A. HEYVAERT, Cecile BAETEMAN, Sue DAWSON, Roland GEHRELS and Charu SHARMA

09:50-10:10

S3-O3: Island formation and early settlement induced by sea level fall in Majuro Atoll, the Marshall Islands

Hajime KAYANNE, Toru YASUKOUCHI, Toru Yamaguchi, Hiroya YAMANO and Minoru YONEDA

10:10-10:25 Coffee break

10:25-10:40

S3-O4: Holocene delta evolution and human impacts: Deltas at risk

Yoshiki SAITO

10:40-11:00

S3-O5: Erosion processes and rehabilitation measure for the mangrove muddy coast of the Chao Phraya delta, Thailand

Niran CHAIMANEE

11:00-11:20

S3-O6: That sinking feeling: sea level rise, subsidence and inundation risk in the Zhujiang (Pearl) River Delta

Adam D. SWITZER

11:20-11:40

S3-O7: Transformation of two major Chinese river systems during the Anthropocene: the Yangtze River and the Yellow River

Houjie WANG, Zuosheng YANG, Yoshiki SAITO and J. Paul LIU

11:40-12:00

S3-O8: Coastal environmental changes since the last 3,000 years in Mekong River Delta, Vietnam

NGUYEN Van Lap, TA Thi Kim Oanh, Masaaki TATEISHI, Iwao KOBAYASHI and Yoshiki SAITO

12:00-13:00 Lunch

13:00-14:00 Poster session

15:20-15:40

S4-O4: Exploring mountains, voyaging the sea: Origin and characteristics of the Paleolithic culture in Japan.

Kazutaka SHIMADA

15:40-16:00

S4-O5: The emergence of the Upper Paleolithic in the Far East Asia – from a view point of resource explore

Hiroki OBATA

16:00-16:20

S4-O6: A behavioral model for human evolution in Pleistocene, China

GAO Xing

16:20-16:30 Coffee break

16:30-17:00 Discussion

November 21 (Wednesday) Afternoon

Session 4: Main Hall

Environmental Changes and Human Occupation in North and East Asia during OIS 3 and OIS 2

Convener: Akira ONO (Tokyo Metropolitan University)

14:00-14:05

Introduction from convener

Akira ONO

14:05-14:25

S4-O1: Environmental changes during OIS3 and OIS2 and the origin of microblade industries in North-East Asia

Anatoly KUZNETSOV

14:25-14:50

S4-O2: Upper Paleolithic of Northern Japan: A human ecosystem approach

Masami IZUHO

14:50-15:10

S4-O3: Taphonomic perspectives on the Japanese Paleolithic during the OIS 3-2 transition

Christopher J. NORTON

15:10-15:20 Coffee break

November 22 (Thursday) Morning

Session 5: Main Hall

Enormous Tectonic Events in Asia –Their Effects on Landforms and Human Activity–

Conveners: Takashi AZUMA (Geological Survey of Japan, AIST), Larisa GANZEY (Pacific Institute of Geography, FEB, RAS)

09:00-09:10

Introduction from Conveners

09:10-09:25

S5-O1: Quaternary tectonics in and around the onshore plate convergence boundary in central Japan

Haruo YAMAZAKI

09:25-09:40

S5-O2: Study of paleo-earthquakes at archaeological sites in Japan

Akira SANGAWA

09:40-10:05

S5-O3: Quaternary tectonic movement and geomorphic evolution recorded in the coral terraces at the Huon Peninsula, PNG

Yoko OTA, John CHAPPELL, Mari TAKAHASHI and Norihisa GOTO

10:05-10:30

S5-O4: Heterogeneous coupling on the Sumatra megathrust constrained from geodetic and paleogeodetic measurements

Mohamed CHLIEH, J. P. Avouac, K. Sieh, D. H. Natawidjaja and John Galetzka

10:30-10:40 Coffee break

10:40-11:05

S5-O5: Looking for hopes in a disastrous event: the case of 1999 Taiwan Chi-Chi earthquake

Yue-Gau CHEN

11:05-11:30

S5-O6: A cluster of $M > 8$ earthquakes in Central Asia and Deer Stones: Are they related?

Amgalan BAYASGALAN and D. Ankhtsetseg

11:30-11:45

S5-O7: A perspective on the research of Quaternary faults and folds in Asia: a view from Japan

Koji OKUMURA

11:45-12:00 Discussion

12:00-13:00 Lunch

13:00-14:00 Poster session

November 22 (Thursday) Morning

Session 6: Room 1

The Lower-Middle Pleistocene Boundary in the Asian/Pacific Region

Conveners: Muneki MITAMURA (Osaka City University), Margarita ERBAJEVA (Geological Institute Siberian Branch of RAS)

09:00-09:10

Introduction from Conveners

09:10-09:40

S6-O1: Stratigraphy of the Lower-Middle Pleistocene in Yorogawa section, Boso Peninsula, central Japan

Osamu KAZAOKA and Working Group for Quaternary Stratigraphy of Boso

09:40-10:10

S6-O2: Stratigraphy of the Quaternary strata in the Osaka Plain, central Japan

Muneki MITAMURA and Shusaku YOSHIKAWA

10:10-10:25

S6-O3: Multiple virtual polarity boundaries in the Matuyama-Brunhes transition in East and Southeast Asia

Masayuki HYODO and Tianshui YANG

10:25-10:45 Coffee break

10:45-11:15

S6-O4: Mammalian fauna change around the Lower-Middle Pleistocene boundary on the Baikalian region and adjacent areas

Margarita ERBAJEVA and Nadezhda ALEXEEVA

11:15-11:45

S6-O5: Lower-Middle Pleistocene boundary at the Kuril Islands

Nadezda RAZZHIGAEVA

11:45-12:00 Discussion

12:00-13:00 Lunch

13:00-14:00 Poster session

November 22 (Thursday) Afternoon

Plenary Session 2: Main Hall

Plenary keynote

14:00-14:40

P2-K1: Early human history in Europe during the late Early and early Middle Pleistocene

Thijs van KOLFSCHOTEN

14:40-15:20

P2-K2: Late Quaternary environmental change and archaeology in New Zealand: NZ-INTIMATE project and role of tephrochronology

David J. LOWE and Rewi M. NEWNHAM

Closing session

15:20-15:40

Posters: Poster Room

Session 1: Poster

- S1-P1:** Climate – ocean linkage of Holocene on the southern Bering Continental Shelf
Kota KATSUKI, Boo-Keun KHIM, Takuya ITAKI, Naomi HARADA, Ken'ichi OHKUSHI, Hideo SAKAI and Tomoyuki IKEDA
- S1-P2:** Millennial-scale variation of CaCO₃ values during the last glacial period in the Bering Sea: Evidence of Dansgaard-Oeschger events
Sunghan KIM, Boo-Keun KHIM, Takuya ITAKI, and Masao UCHIDA
- S1-P3:** The last deglacial history of sea surface temperature and salinity change in the northwestern Pacific
Takuya SAGAWA and Ken IKEHARA
- S1-P4:** Riverine suspension transport during flooding event and its significance on marine sedimentation – Example from subarctic small rivers in Hokkaido –
Tomohisa IRINO, A. TADA, Y. KUWAYAMA, T. USUI, S. NAGAO, M. MINAGAWA and K. IKEHARA
- S1-P5:** Importance of hyperpycnal transport during a flood event on terrigenous material supply from land to deep-sea
Ken IKEHARA, Hajime KATAYAMA, Tsumoru SAGAYAMA, Kazuya SUGA, Tomohisa IRINO and Akiko OMURA
- S1-P6:** Marine pollen evidence on orbital and millennial-scale paleoclimate changes around the Japan Sea during the late Quaternary
Ken IKEHARA and Hideaki OSHIMA
- S1-P7:** Identification of multiple cryptotephra layers from Ulleung Island and Baitoushan volcanoes detected by INAA at deep-sea cores in the Japan Sea
Chungwan LIM, Kazuhiro TOYODA and Ken IKEHARA
- S1-P8:** Millennial-scale oscillations in the westerly jet path and their linkage with East Asian monsoon
Kana NAGASHIMA, Ryuji TADA, Atsushi TANI, Youbin SUN, Yuko ISOZAKI and Shin TOYODA
- S1-P9:** Foraminiferal record and environmental changes during times of dark layer deposition in the Japan Sea: MD01-2407 and KR05-09 PC-1
Kazuko USAMI, Takeshi OHI and Shiro HASEGAWA
- S1-P10:** Paleoceanographic changes of Sea of Japan during Early Pleistocene epoch.
Akihisa KITAMURA
- S1-P11:** Paleoenvironmental changes during marine oxygen isotope stage 11 from diatom fossils of an Osaka Bay core
Chie KARIYA, Masayuki HYODO and Hiroshi SATO
- S1-P12:** A perspective of new Okinawa submarine geological mapping project – to clarify the stratigraphy, tectonics and the Quaternary pale-oceanographic changes –
Kohsaku ARAI, Ken IKEHARA Takahiko INOUE, Hajime KATAYAMA, Taqumi TUZINO and Akira NISHIMURA
- S1-P13:** The environmental anomalies in the northeastern East China Sea during the last 3 000 years and its possible relation to El Niño activity in the Holocene
Fengming CHANG, Tiegang LI, Lihua ZHUANG and Jun YAN
- S1-P14:** The evolution of East Asian monsoon recorded by clay minerals in west Philippine Sea since the last 250 ka
Fuqing JIANG, Chuanshun LI, Jingtao ZHAO, Rongtao SUN, Tiegang LI and Anchun LI
- S1-P15:** Carbon and oxygen isotope compositions of a stalagmite from Ciawitali Cave, West Java, Indonesia
Yumiko WATANABE, Hiroshige MATSUOKA, Saburo SAKAI, Jun UEDA, Makoto YAMADA, Shinji OHSAWA, Msashi KIGUCHI, Takehiko SATOMURA, Shun'ichi NAKAI, Budi BRAHMANTYO, Khoiril A. MARYUNANI, Takahiro TAGAMI, Keiji TAKEMURA and Shigeo YODEN
- S1-P16:** Environmental magnetic record of the past 220 kyr from Timor Sea
Hirokuni ODA, Yusuke YOKOYAMA and Satoshi HORIIKE

S1-P17: Rock magnetic records of Southeast Asian monsoon variability during the past 800 kyr
Yusuke SUGANUMA, Toshitsugu YAMAZAKI and Toshiya KANAMATSU

Session 3: Poster

S3-P1: Geochemistry and Sr - Nd isotopes of the sediments in the northern East China Sea and their implication for sediment provenance

Jeungsu YOUN and Taejeoung KIM

S3-P2: Environmental changes in response to human activities and sea-level changes in the 20th Japanese lagoons

Ritsuo NOMURA

S3-P3: The effect of urbanization-induced eutrophication on a benthic ecosystem, Osaka Bay, Japan

Akira TSUJIMOTO, Moriaki YASUHARA, Hideo YAMAZAKI, Kotaro HIROSE and Shusaku YOSHIKAWA

S3-P4: High-resolution sedimentary records of human emissions in the Yangtze River Estuary for the past century: evidence from stable lead isotopes and Polycyclic Aromatic Hydrocarbons
Zhigang GUO, Yunchao HAO, Tian LIN, Dejiang FAN and Zuosheng YANG

S3-P5: Early to mid Holocene coastal change of the Mekong River delta

Toru TAMURA, Yoshiki SAITO, Sotham SIENG, Bunnarin BEN and Meng KONG

S3-P6: Vegetation change associated with the stage 19 transgression around Osaka Bay, southwestern Japan

Ikuko KITABA, Chisa IWABE, Masayuki HYODO, Shigehiro KATOH and Mariko MATSUSHITA

S3-P7: The possibility of electric conductivity to clarify the Holocene relative sea level changes

Yuichi NIWA, Toshihiko SUGAI, Takashi OGAMI, Ryutaro NARUHASHI and Eiji SASAO

S3-P8: Natural and anthropogenic coastal lagoon environmental changes during the past three centuries in Lake Kitaura, central Japan

Tomonori NAYA

S3-P9: Human impact for pore water quality existing

within Alluvial marine clay particles at Nakagawa Lowland in Kanto Plain, Central of Japan

Mieko UCHIYAMA, Akihiko INAMURA, Toshimichi NAKANISHI and Katsumi KIMURA

S3-P10: Holocene fire history in central Japan reconstructed from sedimentary charcoal fragments

Jun INOUE

S3-P11: Urbanization-induced diatom community changes for the last 150 years, Osaka Bay, Japan: comparison with Holocene flora

Kotaro HIROSE, Hirohito YOSHIDA, Moriaki YASUHARA, Hideo YAMAZAKI, Akira TSUJIMOTO and Shusaku YOSHIKAWA

S3-P12: Diatom as indicator of environmental change in Ca Mau coastal zone, Mekong River Delta

TA Thi Kim Oanh, NGUYEN Van Lap and Masatomo UMITSU

S3-P13: The Holocene environmental changes revealed by rare-earth element analysis of the alluvial sediment in Nobi plain, central Japan

Toru WAKABAYASHI, Eiji SASAO and Toshihiko SUGAI

S3-P14: Reconstruction of paleoenvironmental changes by diatom analysis in the Nobi plain central Japan

Yoshie SAEGUSA, Toshihiko SUGAI, Kaoru KASHIMA and Eiji SASAO

S3-P15: The changing face of Andaman and Nicobar Islands after the invasion of Tsunami, December, 2004

Arindam BHATTACHARYYA, Bharati BHATTACHARYYA and Asim K. BHATTACHARYYA

S3-P16: The early Holocene coastal environment inferred from an event deposit in the Okinoshima Jomon site, Boso Peninsula, central Japan

Hiroko OKAZAKI, Arata MOMOHARA, Makiko KOBAYASHI, Tozo OKAMOTO and Seiichi YANAGISAWA

Session 4: Poster

S4-P1: Palaeolithic radiocarbon chronology and geochronological framework during OIS 3 and

- OIS 2 in Central Japan
Yuichiro KUDO
- S4-P2:** Re-evaluation of the chronology and technology of palaeolithic assemblages in the Imjin-Hantan River area, Korea
Yongwook YOO
- S4-P3:** Pleistocene landform and Palaeolithic human behaviour during MIS-3 to 2: in the case of Tachikawa terrace as southern part of Musashino upland, central Japan
Atsushi NOGUCHI, Masaki NAGANUMA and Kazuhiro HAYASHI
- S4-P4:** Sterol analysis and chronological study of pottery excavated from the site of Hamanaka 2, Rebun Island, Hokkaido
Yoshiki MIYATA, Akiko HORIUCHI, Paleo Labo AMS Dating Group and Toyohiro NISHIMOTO
- S4-P5:** Land mammal faunas of Oxygen Isotope Stages 3 and 2 in the Japanese Islands
Yoshinari KAWAMURA and Ryohei NAKAGAWA
- S4-P6:** Land mammal faunas of Oxygen Isotope Stages 3 and 2 in Miyako Island with discussion on paleoenvironments and human occupation in the Ryukyu Islands
Ryohei NAKAGAWA, Shin NUNAMI, Yoshinari KAWAMURA, Minoru YONEDA, Motomasa NAMIKI and Yasuyuki SHIBATA
- S4-P7:** The Late Pleistocene mammalian assemblages from the Hirao-dai karst area, Kitakyushu, Japan
Ryohei NAKAGAWA, Shin NUNAMI, Minoru YONEDA, Hikaru UNO and Yasuyuki SHIBATA
- S4-P8:** The Pleistocene vertebrate remains from Funakubu Second Cave, Okinawa Island, southwestern part of Japan
Shin NUNAMI and Ryohei NAKAGAWA
- S4-P9:** Composition of the Japanese island fauna and changes in stages MIS3–2 through fossil study of large mammals, with special attention to spatial and temporal distributions of *Palaeoloxodon naumanni*, *Sinomegacerous yabei*, and *Alces alces*
Yoichi KONDO
- Session 5: Poster**
- S5-P1:** Quaternary transgression of the east China Coast and Okinawa Trough seismicity to interpret the Younger East China Sea Continental Shelf
Zhongyuan CHEN, Zhanghua WANG and Jing CHEN
- S5-P2:** Rapid subsidence of the Kikai Seamount inferred from drowned Pleistocene coral limestone: Implication for the subduction process of the Amami Plateau, northern Philippine Sea
Tsutomu NAKAZAWA, Akira NISHIMURA, Yasufumi IRYU, Tsutomu YAMADA, Hiroshi SHIBASAKI and Satoshi SHIOKAWA
- S5-P3:** Thermal history estimation of Taiwan Chelungpu Fault using rock-magnetic properties
Toshiaki MISHIMA, Tetsuro HIRONO, Wonn SOH and Sheng-Rong SONG
- S5-P4:** The Seismicity in Mongolia
Dorjsuren ANKHTSETSEG, Munkhuu ULZIIBAT, Chimedtseren BAYARSAIKHAN, Adiya MUNKHSAIKHAN and Dashdondog MUNGUNSUREN
- S5-P5:** Quaternary tectonic evolution and seismic hazard in the Chuetsu area, Central Japan
Takashi AZUMA
- S5-P6:** Trace of the AD1707 Hoei earthquake from the coastal lowland, Shizuoka Prefecture, central Japan
Osamu FUJIWARA, Eisuke ONO, Kenji SATAKE, Yuki SAWAI, Masatomo UMITSU, Toshifumi YATA, Kohei ABE, Tetsuya IKEDA, Yukinobu OKAMURA, Yoshiteru SATO, Than Tin Aung and Junichi UCHIDA
- S5-P7:** Paleotsunami events on Minor Kuriles as records of catastrophic earthquakes at Holocene
Larisa GANZEY, Nadezda RAZZHIGAEVA, Tatyana GREBENNIKOVA, Andrey Kharlamov, Aleksandr IL'EV and Victor KAISTRENKO
- S5-P8:** Pre-2004 tsunami deposits on Simeulue Island, southern Aceh province, Indonesia
Shigehiro FUJINO, Kerry SIEH, Aron J. MELTZNER, Eko YULIANTO, Kate WHITLOW and Putra ADI RAHMAN
- S5-P9:** Near-field simulation of the 2004 Indian Ocean tsunami

- Anthony SLADEN, H el ene HEBERT, Daniel BRUNSTEIN, Franck LAVIGNE, Franck VAUTIER and Rapha el, PARIS
- S5-P10:** Holocene marine terraces along the Rakhine Coast, western Myanmar – geomorphological evidence of the 1762 and earlier earthquakes – Masanobu SHISHIKURA, Than Tin Aung, Kenji SATAKE, Yukinobu OKAMURA, Win Swe, Hla Saw, Tint Lwin Swe, Soe Thura Tun and Thura Aung
- S5-P11:** Holocene coastal environments and human occupation in southern Kyushu, south Japan Hiroshi MORIWAKI, Toshiro NAGASAKO, Akio OHIRA and Yoshiaki MATSUSHIMA
- S5-P12:** Neutron activation analysis of volcanic glasses in alkaline tephra layers at Baitoushan volcano and Ulreung island, Korea Akane UMETSU, Hiroshi MACHIDA and Kazuhiro TOYODA
- S5-P13:** Liquefaction-fluidization of artificial strata by volcanic ash at strong earthquake Osamu KAZAOKA, Kusuda TAKASHI, Takeshi YOSHIDA and Hisashi NIREI
- Session 6: Poster**
- S6-P1:** Studies on early Quaternary widespread tephra derived from large calderas located in the Northeast Japan Arc Takehiko SUZUKI and Masanori MURATA
- S6-P2:** Lower–Middle Pleistocene pollen biostratigraphy of the Kazusa and Osaka Groups Misao HONGO and Takashi NIREI
- S6-P3:** The Lower-Middle Pleistocene of the piedmont areas around Yatsugatake Volcanoes, central Japan Takashi UCHIYAMA, Hisao KUMAI and Yatsugatake Collaborative Research Group
- S6-P4:** K-Ar ages of pyroclastic rocks in Okui Formation of Komoro Group, Central Japan, and reexamination of Okui Formation with special reference to discovery of Gelasian sediments and sedimentation of Okui Formation Masumi TERAO
- S6-P5:** Environmental changes on Minor Kuriles at Late-Pleistocene-Holocene Nadezda RAZZHIGAEVA, Larisa GANZEY, Tatyana GREBENNIKOVA and Nina BELYANINA
- S6-P6:** Plio-Pleistocene Mammalian fauna of Myanmar ZIN-MAUNG-MAUNG-THEIN, Masanaru TAKAI, THAUNG-HTIKE, Takehisa TSUBAMOTO, Naoko EGI and MAUNG-MAUNG
- S6-P7:** Plio-Pleistocene dispersal of the Asian fossil hippopotamuses: reevaluation on the evolution and phylogeny THAUNG-HTIKE, Masanaru TAKAI, ZIN-MAUNG-MAUNG-THEIN, Takehisa TSUBAMOTO and Naoko EGI
- Session 7: Poster**
- S7-P1:** Particle size characteristics of fine fraction of the deposits from the 24 ka sector collapse of Asama Volcano, Japan Hidetsugu YOSHIDA and Toshihiko SUGAI
- S7-P2:** A study of the ancient flood plain deposits of river Mahaweli, Sri Lanka U de S. JAYAWARDENA
- S7-P3:** Changes in relief according to the altitude –A case study from the Tachia Hsi catchment Central Taiwan–. Margot B OSE and Dirk WENSKE
- S7-P4:** Detailed reconstruction of the late Quaternary climate based on TOC and other proxies of lake sediments in central Japan Fujio KUMON, Yoshio INOUCHI, Takaharu TAWARA and Takuma ITO
- S7-P5:** Change in desert environment during the late Holocene of the inland China–migration of lakes and rivers in the lowest Heihe River– Kunihiko ENDO, Wuyun QI, Guijin MU, Xiangmin ZHENG, Taisuke MURATA, Kazuaki HORI, Hidehiro SOHMA and Masashi TAKADA