Programme

Nov. 29, 2010 | The 39th International Symposium, IRCJS
16:30-18:00 Registration for IRCJS 39th International Symposium (Hotel Kyoto Eminence)
18:00-20:00 Reception (Hotel Kyoto Eminence)

Nov. 30, 2010 | The 39th International Symposium, IRCJS
9:30-10:00 Opening Speech
Yoshinori YASUDA

Morning Session
Session Chair: Felix BITTMANN
10:00-10:35 Reconstructing Late Holocene environmental and climate changes in Finland using annually laminated lake sediments
Timo SAARINEN, Saija TURUNEN, and Eeva HALTIA-HOVI
Ingelise STUIJTS
11:10-11:45 Sediment records of past environmental changes in Lake Qarun, a remnant early Holocene lake within the Faiyum Depression of Egypt: sedimentary diatoms and sediment stratigraphy
Roger J. FLOWER
11:45-12:20 Geoarchaeology of Sheikh el Obeiyid Site, Farafra, Western Desert, Egypt.
Mohamed A. HAMDAN
12:20-13:20 Lunch

Afternoon Session
Session Chair: Miroslaw MAKOHONIENKO
13:20-13:55 Angkor Ancestors’ sites in Cambodia yield thousands of fish bones from 18 families
Vuthy VOEUN
13:55-14:30 An 8000-year lake record from Bali: implications for climate variability and possible human activities
Xun LI, Yoshinori YASUDA, Toshiyuki FUJIKI, Makoto OKAMURA, Hiromi MATSUOKA, and Kazuyoshi YAMADA
14:30-15:05 Kosipe: using fire as a proxy for Pleistocene occupation in the mountains of southern New Guinea
Geoffrey HOPE
15:05-15:35 Coffee Break

Session Chair: Michael O’CONNELL

15:35-16:10 Maritime environments and civilization: early exchange networks from the Bay of Bengal to the Far East (1000 BC – 500 AD)
Sunil GUPTA

16:10-16:45 Decline of the Harappan Civilization of South Asia: causes and consequences
Vasant SHINDE

16:45-17:20 Environmental Archaeology of Global Warming: For the improvement of IPCC science on Climate Change and its Impacts
Taishi SUGIYAMA

17:20-17:40 Discussion

17:40-17:50 Closing Speech
Fekri HASSAN

Evening Optional Excursion: Dinner and Kiyomizu-dera Temple Visit

Dec. 1, 2010 AEA Annual Conference Sessions

8:00-9:00 Registration

9:00-9:10 Opening Speech
Andy J. HOWARD

Environment and Civilizations in Europe and Middle East

Session Chair: Roger J. FLOWER

9:10-9:30 Farming and vegetation dynamics in Ireland from the late first millennium BC to recent times: an overview
Michael O’CONNELL

9:30-9:50 Environmental analysis of a medieval shipwreck from Drogheda, Co. Louth, Ireland
Stephen DAVIS, Jennifer HARLAND, Charlotte O’BRIEN, Ben STERN, and Holger SCHWEITZER

9:50-10:10 The archaeobotanical results from Regione VI, insula I, Pompeii, Italy
Charlene MURPHY

10:10-10:30 Chalk grassland before rabbits: the evidence from Silbury Hill, Wiltshire, UK and its implications for conservation
Gill CAMPBELL

10:30-10:50 Coffee Break

Session Chair: Timo SAARINEN

10:50-11:10 Romans in a river delta: arable and animal production in a dynamic environment in the Netherlands
Maaike GROOT and Laura I. KOOISTRA

11:10-11:30 Holocene environmental changes at inland saline lakes in Turkey, Syria and Egypt
Kaoru KASHIMA
11:30-11:50  Egyptian inventiveness: agriculture in the Dakhleh Oasis, Western Desert
            Ursula THANHEISER

11:50-12:10  Paleo environment in archaeological site of Iran on the base of paleodiet studies
            Tahere AZIZIPOOR

12:10-12:30  Environmental contamination in Middle Bronze Age of Gohar Tepe (Iran)
            P. MASJEDI and F. Khademi NADOOSHAN

12:30-13:30  Lunch

Environment and Civilizations in Central and East Asia
            Session Chair: Sunil GUPTA

13:30-13:50  Khanuy say “Xiongnu pastoralist habitation site?”
            Lee G. BRODERICK

13:50-14:10  Holocene environment change and its relationship to early Neolithic cultures in
            Qiantang River, East China: an advance
            Leping JIANG

14:10-14:30  Early Neolithic vegetation history, fire regime and earliest rice cultivation at
            Kuahuqiao, Lower Yangtze River, East China: a new insight
            Junwu SHU, Weiming WANG, Leping JIANG, and Hikaru TAKAHARA

14:30-14:50  Long way to agricultural society: rethinking Chinese Neolithic Yangtze environment
            and human society in transformation from broad spectrum economy to rice
            monoculture
            Leo Aoi HOSOYA and Keisuke MAKIBAYASHI

14:50-15:10  Coffee Break
            Session Chair: Xun LI

15:10-15:30  History of intentional fire related to changing vegetation on the Soni Plateau,
            central Japan, reconstructed from charcoal and pollen records within mire sediment
            Jun INOUE, Ryo NISHIMURA, and Hikaru TAKAHARA

15:30-15:50  The background of “Tumuli by the sea” in the Kofun period, Japan
            Tomokatsu UOZU and Wataru FUKUI

15:50-16:00  Break (10 minutes)

Environment and Civilizations in Insular Southeast Asia and Oceania
            Session Chair: Yoko NOJIMA

16:00-16:20  Environment, subsistence, population, and the early Austronesian migrations
            Hsiao-chun HUNG

16:20-16:40  Men embedded in the environment: an overview of Philippine environmental
            archaeology
            Pamela G FAYLONA

16:40-17:00  The Holocene diatom records of Lake Buyan, Bali Island with implication for ENSO
            variability
            Yu FUKUMOTO, Xun LI, Makoto OKAMURA, Toshiyuki FUJIKI,
            Yoshinori YASUDA, and Kaoru KASHIMA
17:00-17:20 Landscape evolution and palaeoenvironment of Lake Mulurulu, Willandra Lakes WHA. Interactions between humans and the environment in semi-arid Australia: from Australia’s earliest occupants to European pastoralists
   Tegan E. KELLY, Rainer GRÜN, Ian MOFFAT, Kathryn FITZSIMMONS, Daryl PAPPIN, and Cally DOYLE

17:20-17:40 Evolution of inhabited landscapes: archaeological study in the Mariana Islands, western Pacific
   Mike T. CARSON

17:40-18:00 Environmental data and the settlement of the southern southwest Pacific: timing, cultural adaptations to new environments, and environmental impact
   Pamela I CHESTER

evening Reception (Satsuki Hall, Restaurant Akaoni)

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<tr>
<th>Dec. 2, 2010</th>
<th>AEA Annual Conference Sessions</th>
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<tr>
<td><strong>Special Session</strong> Pan Pacific Environmental Archaeology</td>
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<td><strong>Session Chair:</strong> Hitoshi YONENOBU</td>
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| 9:00-9:20 | Introduction to Pan Pacific environmental changes and civilizations  
   Kazuo AOYAMA |
| 9:20-9:40 | Environmental change and social dynamics at the Maya center of Ceibal, Guatemala  
   Takeshi INOMATA |
| 9:40-10:00 | Coping with disaster: Aztec ritual modification against cyclic drought  
   Mutsumi IZEKI |
| 10:00-10:20 | The archaeology of prehistoric resource exploitation in the Okinawa Islands  
   Hiroto TAKAMIYA, Mark HUDSON, Taiji KUROZUMI, and Takayuki SHINZATO |
| 10:20-10:40 | From Hunting to Herding: zooarchaelological approach to the subsistence change in the circum-Pacific areas  
   Kazuhiro UZAWA |
| 10:40-10:50 | Coffee Break (10 minutes)  
   **Session Chair:** Kazuo AOYAMA |
| 10:50-11:15 | Early agriculture and sedentism on the Pacific coast of Southeastern Mesoamerica  
   Barbara ARROYO |
| 11:15-11:40 | Environment, environmental change, and chiefdom social dynamics in comparative perspective  
   Robert D. DRENNAN |
| 11:40-12:05 | The decline of classic Maya civilization: potential lessons  
   Jeremy A. SABLOFF |
| 12:05-12:30 | Resilience or vulnerability of ancient Middle American societies to sudden explosive volcanic eruptions  
   Payson SHEETS |
Poster Session

13:30-14:10

History of intentional burning and grassland on the Soni Platear, Central Japan, reconstructed from phytolith and charcoal records in sedimentary soils
Ryota OKUNAKA, Tatsuichiro KAWANO, and Jun INOUE

Reconstructing changes in rice water management through archaeological weeds in Neolithic China
Alison WEISSKOPF, Qin LING and Dorian FULLER

New evidence of environmental deterioration for Angkor demise
Hiroo NASU, Yoshinori YASUDA, Toshiyuki FUJIKI, Shuichi TOYAMA, and Yuichi MORI

The weaving scenery on the riverside at the late Kofun period
Junko HIGASHIMURA

The Holocene vegetation change in southern Japan: a sediment core analysis of Nagura-Anparu wetland in Ishigaki Island, Okinawa
Toshiyuki FUJIKI

Near-infrared spectroscopy: A tool for rapid, non-destructive assessment of past environmental changes from lake sediments
Tetsuya INAGAKI, Hitoshi YONENOBU, Kazuyoshi YAMADA, Yoshitsugu SHINOZUKA, Satoru TSUCHIKAWA, and Yoshinori YASUDA

Holocene paleo-environmental changes in Lake Ogawara, Aomori Prefecture, northeast Japan
Yoshitsugu SHINOZUKA, Akihiro YOSHIDA, Kazuyoshi YAMADA, Hitoshi YONENOBU, Katsuya GOTANDA, Tsuyoshi HARAGUCHI, Yasuharu HOSHINO, Tetsuya INAGAKI, Mitsuru OKUNO, Motonari OHYAMA, Jonathan TYLER, Saija TURUNEN, Timo SAARINEN, Akira HAYASHIDA and Yoshinori YASUDA

Development of tree-ring chronologies over the last 2ka in Japan
Yasuharu HOSHINO, Motonari OHYAMA, Hitoshi YONENOBU

Dendroarchaeological study of the medieval dwelling site (Moriyoshiienomae A) in northeastern Japan
Yasuharu HOSHINO, Motonari OHYAMA, Hitoshi YONENOBU

High-resolution reconstruction of the East Asian monsoon activities over the last 2k and 30k years using Japanese annually laminated (varved) lake sediments
Kazuyoshi YAMADA, Masaki KAMITE, Katsuya GOTANDA, Hitoshi YONENOBU, Markus J. SCHWAB, Yoshitsugu SHINOZUKA, Mitsuru OKUNO, Junko KITAGAWA, Hirotaka ODA, Megumi SAITO-KATO, Tsuyoshi HARAGUCHI, Akira HAYASHIDA, Timo J. SAARINEN, Mirosław MAKOHONIENKO, Tomasz GOSLAR, and Yoshinori YASUDA

Environmental Archaeology: Recent Progress and Future Prospects

Session Chair: Vuthy VOEUN

14:10-14:30

Palaeoenvironmental and archaeological investigations of the Mesolithic-Neolithic transition in western Ireland
Stephen DAVIS, Graeme WARREN and Naomi HOLMES
14:30-14:50 The reconstruction of paleoenvironment based on archaeological entomology
Yuichi MORI

14:50-15:10 Medieval paleoenvironment based on insect fossil analysis in Japan
Emi OKUNO and Yuichi MORI

15:10-15:30 Coffee Break
Session Chair: Mohamed A. HAMDAN

15:30-15:50 Multidisciplinary approaches with micromorphology for the interpretation of archaeological burial soils – Case studies
Usai MARIA-RAIMONDA, S. BUCKLEY, M. CANTI, B. KEELY, M. PICKERING, and D. BROTHWELL

15:50-16:10 If Pigs could fly: Investigating diagenesis and the suitability of porcine enamel for strontium ($^{87}$Sr/$^{86}$Sr) isotope analysis
Richard MADGWICK, Jacqui MULVILLE, and Jane EVANS

16:10-16:30 Dietary analysis of archaeological remains and its environmental application:
Viewpoint of apparent radiocarbon age differences, lipid analysis and stable isotope analysis
Yoshiki MIYATA, Akiko HORIUCHI, Megumi KONDO, Shin ONBE, Kunio YOSHIDA, Masayo MINAMI, Toshio NAKAMURA, and Toyohiro NISHIMOTO

16:30-16:50 A new method for identification of salt from ancient pottery
Akiko HORIUCHI, Nobuo OCHIAI, Hitomi KUROZUMI, and Yoshiki MIYATA

16:50-17:00 Short Break (10 minutes)
Session Chair: Vasant SHINDE

17:00-17:20 Unravelling the environmental histories of river valleys: providing new insights through geoarchaeology and remote sensing
Andy J. HOWARD, Chris CAREY, Simon FITCH, Ben GEAREY, and Mark KINCEY

17:20-17:40 Opening ways to the future by internet: on-line sharing and archiving of environmental data through the ‘WODAN’ project
Ingelise STUIJTS

17:40-18:00 Environmental archaeology and global climate change: salvation or “collapse porn”?
Mark J. HUDSON, Mami AOYAMA, Kara C. HOOVER, and Izuru SAKAI

evening Banquet (Ganko Takasegawa Nijoen)

Dec. 3, 2010
Optional Excursion: Kyoto Day Tour
Organizer: Junko KITAGAWA, Yoko NOJIMA and Toshiyuki FUJIKI
Public Lectures: Ancient Civilizations and Reverence for the Sun

13:00  Opening
Moderator: Yoshinori YASUDA
Professor, International Research Center for Japanese Studies
Opening Speech: Andy J. HOWARD
President, Association for Environmental Archaeology

13:10  Lecture 1: The eternal voyage of the sun: cosmology in prehistoric Scandinavia and Germany
Ingelise STUIJTS
Environmental Scientist/Archaeobotanist, The Discovery Programme

13:50  Lecture 2: The Sun in Ancient Ireland: Its Role in Life and Death
Michael O’CONNELL
Professor, National University of Ireland

14:30  Lecture 3: Sun worship in the Yangtze River civilization
Yoshinori YASUDA
Professor, International Research Center for Japanese Studies

15:10-15:30  Break

Fekri HASSAN
Emeritus, University Collage London

16:10  Lecture 5: The Sun and Calendars among the Ancient Maya and Aztecs
Kazuo AOYAMA
Professor, Ibaraki University

16:50  Closing

Dec. 4-6, 2010
Optional Excursion: Mikata, Kanazawa, and Shirakawa Village Field Trip
Organizer: Junko KITAGAWA, Yoko NOJIMA and Toshiyuki FUJIKI