

SYMPOSIUM PROGRAM

DAY 1: SEPTEMBER 4 (THURSDAY)

09:00 - 09:40 Registration

09:40 - 11:00 Opening Session

Chairperson: Dr. Tohru Ohta

09:40 - 09:50 Welcome speech

Prof. Yasufumi Iryu

(President of the Geological Society of Japan)

09:50 - 10:20 Opening address

Prof. Hisao Ando (IGCP608 Project Leader)

10:20 - 11:00 Keynote Speech

James W. Haggart: Biostratigraphy, paleoenvironments, and tectonic setting of the Cretaceous System of Pacific coast North America: towards a circum-North Pacific integrated correlation framework

11:00 - 11:25 Group Photo & Coffee Break

Session 1: OAE phenomena contributed from Asian and Western Pacific Records – I

Chairpersons: Prof. Allan G.S. Fernando and Prof. Hiroshi Nishi

11:25 - 11:45 Kazuyoshi Moriya

Prof. Hirano's contribution to natural sciences of Oceanic Anoxic Events: Phyletic evolution of desmoceratine ammonoids through the Cenomanian–Turonian oceanic anoxic event

11:45 - 12:05 Junichiro Kuroda

Radiogenic isotopic records of Early Cretaceous marine sediments: implications for large igneous provinces and the Aptian climatic crisis

(Kuroda, J., Tanimizu, M., Tejada, M.L.G., Hori, R.S., Suzuki, K., Ogawa, N.O., Coffin, M.F. and Ohkouchi, N.)

12:05 - 12:45 David Selby

Keynote Speech: High-resolution $^{187}\text{Os}/^{188}\text{Os}$ isotope stratigraphy and $^{206}\text{Pb}/^{238}\text{U}$ zircon geochronology reveal and verify the global occurrence of OAE 2: Yezo Group, Hokkaido, Japan (Du Vivier, A.D.C., Selby, D., Condon, D.J., Takashima, R. and Nishi, H.)

12:45 - 13:50

Lunch

Session 2: OAE phenomena contributed from Asian and Western Pacific Records - II

Chairpersons: Dr. David Selby and Dr. Junichiro Kuroda

13:50 - 14:10 Hiroshi Nishi

Integrated Stratigraphy and U-Pb ages of the Cretaceous Yezo Group, exposed in Hokkaido, Japan

(Nishi, H., Takashima, R., Yamanaka, T., Orihashi, Y. and Hayashi, K.)

14:10 - 14:30 Naohiko Ohkouchi

A fingerprint of primary producers during the OAEs

(Ohkouchi, N., Ogawa, N.O., Kashiyama, Y. and Kuroda, J.)

14:30 - 14:50 Takuto Ando Primary producer community during the mid-Cretaceous oceanic anoxic events (OAEs) evaluated from algal biomarkers in sediments deposited in the Vocontian Basin, SE France
(Ando, T., Sawada, K., Takashima, R. and Nishi, H.)

14:50 - 15:10 Hideko Takayanagi A newly identified positive excursion of $^{87}\text{Sr}/^{86}\text{Sr}$ ratio in the Lower Aptian platform carbonates offshore Abu Dhabi, UAE: Is it a local or global signature of Ocean Anoxic Event 1a?
(Yamamoto, K., Ishibashi, M., Takayanagi, H., Asahara, Y., Sato, T., Nishi, H. and Iryu, Y.)

15:10 - 15:30 Clarence Magtoto Calcareous nannofossil biostratigraphy of the Cenomanian-Turonian Oceanic Anoxic Event 2 (OAE2) record in California, USA
(Clarence Magtoto, Fernando, A.G.S., Takashima, R., Nishi, H. and Tomosugi, T.)

15:30 - 15:50 Takashi Hasegawa Another world of OAE2: development of oxic water around Pacific margin

15:50 - 16:10 **Coffee Break**

Session 3: Biotic evolution: Asian and Western Pacific fauna and flora I - Microfauna
Chairpersons: Dr. Bandana Samant and Prof. Takashi Hasegawa

16:10 - 16:30 Allan G.S. Fernando Updates on Philippine Cretaceous system: Recent calcareous nannofossil biostratigraphic studies on selected Cretaceous localities in the Philippines
(Fernando, A.G.S., Magtoto, C.Y., Guballa, J.D.S., Marquez-Ardiente, D.J., Nogot, J.R.C.P. and Uy, M.A.C.)

16:30 - 16:50 Kenji Kashiwagi Mesozoic and Paleozoic radiolarians from the Lower Cretaceous Choshi Group, Japan
(Kashiwagi, K., Isaji, S. and Asai, H.)

16:50 - 17:10 Zaw Win Early Cretaceous foraminiferal fauna from the western margin of the Shan Plateau, Myanmar

18:00 - 20:00 **Welcome Party (RIHGA Royal Hotel Tokyo)**

DAY 2: SEPTEMBER 5 (FRIDAY)

Session 4: Biotic evolution: Asian and Western Pacific fauna and flora II - Microflora Chairpersons: Dr. Kenji Kashiwagi

09:10 - 09:30 Jyotsana Rai Late Cretaceous calcareous nannofossils from Nimar Sandstone, Bagh area, central peninsular India
(Rai, J., Garg R., Singh, A., Garg, S., Bajpai, S., Kapur, V.V., Agarwal, S. and Tripathi, S.C.)

09:30 - 09:50 Deepali Thakre Palynofloral changes across Cretaceous-Paleogene: A case study from Deccan Volcanic Sequence in Amarkantak Group of Central India
(Thakre, D., Samant, B. and Mohabey, D.M.)

09:50 - 10:10 Bandana Samant Pattern of biodiversity changes in Late Cretaceous-Early Paleocene palynoflora of Deccan volcanic province
(Samant, B. and Mohabey, D.M.)

10:10 - 10:30 Neeru Prakash First record of pollen organ genus *Caytonanthus* Thomas, from Early Cretaceous beds of South Rewa Gondwana Basin, India and its palaeogeographical significance
(Prakash, N. and Das, N.)

10:30 - 10:50 **Coffee Break**

Chairpersons: Dr. Jyotsana Rai and Dr. Robert G. Jenkins

10:50 - 11:10 Kohei Yoshino Campanian-Maastrichtian palynomorph assemblages from East Asia
(Yoshino, K., Matsuoka, A. and Wan, X.)

11:10 - 11:30 Valentina S. Markevich Evolution of morphotypes of triprojectate pollen during the Late Cretaceous-Paleocene of East Asia
(Markevich, V.S. and Bugdaeva, E.)

11:30 - 11:50 Eugenia V. Bugdaeva The Cretaceous coal-forming plants of southern part of East Siberia and Russian Far East
(Bugdaeva, E.V. and Markevich, V. S.)

11:50 - 13:00 **Lunch**

13:00 - 14:00 **Poster Session I**

Session 5: Geoparks highlighting Cretaceous

Chairpersons: Dr. Masanobu Yamamoto and Dr. Kenichi Kurihara

- 14:00 - 14:20** Jim W. Haggart The Tumbler Ridge Aspiring Geopark, northeast British Columbia, Canada: the interrelation of significant geology, outstanding recreation potential, economic development, and strong community participation
(Haggart, J.W., Helm, C.W., McCrea, R.T., Buckley, L.G., and Sharman, K.)
- 14:20 - 14:40** Min Huh Korean National Geoparks and tentative Global Geoparks in Korea: Mudeungsan Area and Korean Cretaceous Dinosaur Coast
- 14:40 - 15:00** Hideo Takagi Development of geopark activities of the past 10 years in Japan
(Takagi, H. and Watanabe, M.)

Session 6: Land-ocean linkage: Correlation, sedimentology and paleoenvironments I

Chairpersons: Prof. Sunil Bajpai and Prof. Atsushi Matsuoka

- 15:00 - 15:20** Galina Kirillova Cretaceous ecosystems of southeastern continental margin of Russia and their evolution
- 15:20 - 15:40** Boris Shurygin Isotopic evidence for earliest Cretaceous climate change: new data from Siberia
(Shurygin, B.N., Dzyuba, O.S., Izokh, O.P. and Kosenko, I.N.)
- 15:40 - 16:00** Romain Amiot Early Cretaceous terrestrial climates in East Asia: long term and seasonal patterns inferred from the oxygen and carbon isotope compositions of vertebrate apatite
(Amiot, R., Kusuhashi, N., Buffetaut, E., Goedert, J., Hibino, T., Ikeda, T., Ikegami, N., Lécuyer, C., Philippe, M., Saegusa, H., Shibata, M., Shimojima, S. and Sonoda, T.)
- 16:00 - 16:20** **Coffee Break**

Chairpersons: Dr. Romain Amiot and Dr. Hitoshi Hasegawa

- 16:20 - 16:40** Hitoshi Hasegawa Reconstruction of terrestrial paleo-hydrological change during the mid-Cretaceous “Supergreenhouse” period: Insights from the lacustrine records (Shinekhudag Fm.) of southeast Mongolia
(Hasegawa, H., Ando, H., Ohta, T., Hasegawa, T., Yamamoto, M., Hasebe, N., Murata, T., Shinya, H., Li, G., Ichinnorov, N., Erdenetsogt, B. and Heimhofer, U.)
- 16:40 - 17:00** Robert G. Jenkins Evolution of photosynthetic ecosystem effects on chemosynthetic ecosystem in late Mesozoic
- 17:00 - 17:20** Kazuyoshi Moriya Deep/intermediate water formation along the Cretaceous Asian continental margin
(Moriya, K., Moiroud, M., Pucéat, E., Donnadiou, Y., Bayon, G., Deconinck, J.-F. and Boyet, M.)

17:20 - 17:40 Atsushi Matsuoka Land–ocean linkage: pelagic materials in Mesozoic neritic–terrestrial sequences in East Asia
(Matsuoka, A., Ito, T., Sakai, Y. and Nikaido, T.)

18:00 - 19:00 **IGCP608 Business Meeting**

DAY 3: SEPTEMBER 6 (SATURDAY)

Session 7: Land-ocean linkage: Correlation, sedimentology and paleoenvironments II **Chairpersons: Prof. Boris Shurygin and Dr. Shin-ichi Sano**

09:10 - 09:30 Raghavendramurthy Nagendra Palaeotemperatures, palaeoclimate, palaeolatitude, palaeobathymetry and palaeocurrent appraisal of Cretaceous sediments of Cauvery Basin, South India
(Nagendra, R., Zakharov, Y.D., Safronov, P.P., Smyshlyaeva, O.P., Popov, A.M., Shigeta, Y. and Venkateshwarlu, M.)

09:30 - 09:50 Syed A. Jafar Dynamics of terminal Cretaceous global biotic turnover

09:50 - 10:10 Sunil Bajpai Late Cretaceous ecosystems of peninsular India: An overview of current perspectives

10:10 - 10:30 **Coffee Break**

Session 8: Tectonic evolution and paleoenvironments of Asia and West Pacific **Chairpersons: Prof. Yong Il Lee and Dr. Kazuyoshi Moriya**

10:30 - 10:50 Hyojong Lee Tectonic and climatic controls on A/S ratio in a non-marine setting: an example from the Lower Cretaceous Sindong Group of the Gyeongsang Basin (southeastern Korea)
(Lee, H. and Lee, Y.I.)

10:50 - 11:10 Carla Dimalanta Mesozoic fossil data from the "Eocene" Zambales Ophiolite
(Dimalanta, C.B., Queaño, K.L., Salapare, R.C., Yumul, G.P.Jr., Marquez, E.J., Faustino-Eslava, D.V., Ramos, N.T. and Payot, B.D.)

11:10 - 11:30 Decibel V. Faustino-Eslava Implications to Central Philippine evolution from signatures of the Cretaceous Balud Ophiolitic Complex
(Faustino-Eslava, D.V., Dimalanta, C.B., Queaño, K.L., Ramos, N.T., Payot, B.D., Manalo, P.C. and Yumul, G.P.Jr.)

11:30 - 11:50 Naing Maw Than Tectono-magmatic development of accreted West Burma Block from Gondwana Land

11:50 - 13:00 **Lunch**

13:00 - 14:00 **Poster Session II**

Session 9: Biotic evolution: Asian and Western Pacific fauna and flora – Macrofauna
Chairpersons: Prof. G. V. R. Prasad and Prof. Ren Hirayama

- 14:00 - 14:20** Vipul Keerti Sharma Morphological details of a newly discovered Cretaceous echinoid species '*Stereocidaris keertii*' (Smith, A. B., 2010)
- 14:20 - 14:40** Dhananjay M. Mohabey Eggs, nests and poops of Indian Late Cretaceous sauropods: behavior, habitat and diet (Mohabey, D.M. and Samant, B.)
- 14:40 - 15:00** M. Sadiq Malkani Titanosaurian sauropod dinosaurs from the Latest Cretaceous Vitakri Formation of Pakistan and their biogeographic link
- 15:00 - 15:20** Guntupalli V. R. Prasad New elasmobranch fauna from the Bagh Group, Narmada Valley, India - palaeobiogeographic context (Prasad G.V.R., Verma, V., Sahni, A., Priyadarshini, R.K. and Singh L.R.)

15:20 - 15:40 **Coffee Break**

Chairpersons: Dr. Dhananjay M. Mohabey and Dr. Tomoyuki Ohashi

- 15:40 - 16:00** Ai Takekawa Description of the Late Cretaceous Crocodylomorph, *Shamosuchus* from Mongolia (Takekawa, A., Hirayama, R. and Aoki, R.)
- 16:00 - 16:20** Masataka Yoshida Cranial morphology of a giant marine side-necked turtle (Pleurodira: Bothremididae) from the upper Cretaceous of Morocco (Yoshida, M. and Hirayama, R.)
- 16:20 - 16:40** Ren Hirayama Cranial morphology of *Mesodermochelys* (Testudines; Dermochelyidae) from the Upper Cretaceous Japan, with special reference to its feeding habitat
- 16:40 - 17:00** Masatoshi Sone Discovery of the first dinosaur fossils from Malaysia: spinosaurid theropod teeth from the non-marine Cretaceous of Pahang (Sone, M., Hirayama, R., Teng, Y.H., Yoshida, M. and Komatsu, T.)

Closing Session

Chairperson: Dr. Tohru Ohta

- 17:00 - 17:20** Guobiao Li Introduction of the Third International Symposium of IGCP 608 in China
- 17:20 - 17:30** Hisao Ando Closing Address of the 2nd IGCP 608 Waseda, Tokyo, Japan

18:00 - 20:00 **Farewell Party**

POSTER SESSIONS

September 5 (Friday) 13:00 - 14:00 **Core time**

September 6 (Saturday) 13:00 - 14:00 **Core time**

Land-ocean linkage: Correlation, sedimentology and paleoenvironments

- P1** **Alyona V. Kurilenko** and Yadrishchenskaya N.G.
Lower Cretaceous deposits of southeastern Transbaikal
- P2** Barsbold, R. and **Yondon Khand** Cretaceous of Mongolia
- P3** **Adiya Eviikhuu**, Ichinnorov, N. and Gankhuyag, Ch.
Geology and palynology of the Khetsuutsav area of south Mongolia
- P4** **Gombosuren Tsolmon, G.**, Uranbileg, L. and Ichinnorov, N.
Paleobotanical and palynological characteristics of the Shivee-ovoo coal deposit, Central Mongolia
- P5** **Bat-Orshikh Erdenetsogt** and Jargal, L.
Fossil fuels hosted in Mesozoic sequences of Mongolia
- P6** **Takayuki Murata**, Li, G., Ando, H., Hasegawa, H., Hasegawa, T., Ohta, T., Yamamoto, M., Hasebe, N. and Ichinnorov, N.
Stratigraphic succession of Conchostracan fossils from the lacustrine deposits in the Shinekhudag area (Lower Cretaceous), Eastern Gobi basin, Southeast Mongolia
- P7** **Masanobu Yamamoto**, Ando, H., Hasegawa, H., Hasegawa, T., Ohta, T., Hasebe, N., Murata, T., Li, G. and Ichinnorov, N.
TEX86-based lake water temperatures in Jurassic and Cretaceous Mongolia
- P8** **Fujita Yusuke**, Ohta, T. and Shinya, H.
Base level and paleotemperature changes of Cretaceous lacustrine succession in southeast Mongolia
- P9** **Keita Arai**, Ohta, T., Hirano, H., Harigaya, S., Sakai, T., Kozai, T. and Li, G.
Paleoenvironmental reconstruction of Cretaceous lacustrine succession in Xinjiang-Uygur Autonomous Region
- P10** **Gaku Sasaki** and Ohta, T.
Laboratory experiments for attesting the “weathering hypothesis” as a possible cause of the mid-Cretaceous Oceanic Anoxic Events
- P11** **Tohru Ohta**, Kamigata, Y. and Takagi, H.
Evidence of enhanced continental weathering during oceanic anoxic event 2 (OAE 2) in eastern continental margin of Asia
- P12** **Yosuke Kobiyama**, Yonezawa, S., Suzuki, T. and Hasegawa, T.
Bottom water paleothermometry: screening late Cretaceous calcareous nodules for application of oxygen isotope method

- P13 Tsuyoshi Ito**, Sakai, Y. Feng, Q.L. and Matsuoka, A.
Denudation stages of mid-Mesozoic accretionary complexes in East Asia based on microfossil-bearing clasts within the Mesozoic strata
- P14 Shin-ichi Sano**
New view of the Tetori Group in Central Japan: clues to the interregional correlation among the Early Cretaceous strata in East Asia?
- P15 Lee, Y.I., Yi, J. and Choi Taejin**
Provenance analysis of Lower Cretaceous Sindong Group sandstones in the Gyeongsang Basin, Korea using integrated petrography, quartz SEM-cathodoluminescence, and zircon Zr/Hf analysis
- P16 Ken Hirose** and Ohta, T.
Provenance analysis of clastic sediments of the Chichibu and Shimanto Belts in Okinawa Prefecture using modal and whole-rock chemical compositions
- P17 Kentaro Oe** and Ohta, T.
Provenance analysis and paleoclimate reconstruction of the Khorat Group in northeastern Thailand using whole-rock chemical composition

Biotic evolution: Asian and Western Pacific fauna and flora

- P18 Dhananjay M. Mohabey** and Samant, B.
Litho- and biofacies association of two Maastrichtian lakes across the earliest Deccan volcanic flow: environments and biota
- P19 M. Sadiq Malkani**
Records of fauna and flora from the Latest Cretaceous of Pakistan: Evolution of Indo-Pakistan Peninsula (South Asia)
- P20 M. Sadiq Malkani**
Theropod dinosaurs and mesoeucrocodyles from the Terminal Cretaceous of Pakistan: paleobiogeographic implications
- P21 Chinzorig Tsogtbaatar** and Tsogtbaatar, Kh.
Preliminary study of the new juvenile dinosaur (Theropoda: Ornithomimosauria) from the Upper Cretaceous Baynshire Formation of Khongil Tsav, eastern Mongolia
- P22 Momo Yamashita**, Konishi, T. and Sato, T.
Diving behavior of mosasaurs (Squamata: Mosasauridae) inferred from optics
- P23 Masataka Yoshida** and Hirayama, R.
Functional morphology of unique feeding apparatus in the bothremydid turtles
- P24 Teppei Sonoda**, Azuma, Y., Hirayama, R. and Ando, H.
Fossil turtles from the Lower Cretaceous Tetori Group in central Japan
- P25 Shinya Miyata**, Yabumoto, Y., Nakajima, Y., Ito, Y., Sasaki, T. and Hirano, H.
The second specimen of the crossognathiform fish *Apsopelix miyazakii* from the Cretaceous Yezo Group of central Hokkaido, Japan

- P26 Nao Kusuhashi**, Suzuki, T., Terui, K., Sato, A. and Amiot, R.
A mammal jaw from the Upper Cretaceous Ashizawa Formation (Futaba Group), Fukushima, northeastern Japan
- P27 Tomoyuki Ohashi**, Hasegawa, Y., and Suzuki, C.
Dinosaur remains from the mid-Cretaceous shallow marine sediments of the Futaba Group, Japan.
- P28 Singh, A. and Jyotsana Rai**
Seribiscutum primitivum, a high latitude, bipolar nannofossil taxon from Jaisalmer Basin: Implications on palaeogeographic distribution
- P29 Aya Kubota, Iba, Y., Hikida, Y. and Yi, K.**
Mid-Cretaceous micro-organisms captured in amber: first records in eastern margin of Eurasia
- P30 Choi Byung-Do**, Jugdernamjil, M. and Huh, M.
The tentative new Cretaceous non-marine ostracods from the southern coast of Korean peninsula
- P31 Chika Sakamoto**, Dick, M. H., Komatsu, T. and Miyake, Y.
Cheilostome bryozoans from the Upper Cretaceous Himenoura Group, Kyushu, Japan
- P32 Yasuyuki Hirata**, Minami, S., Adachi, N. and Ezaki, Y.
Characteristics and modes of construction of rudist-bearing reefs unique to the Yura area, Wakayama Prefecture, southwest Japan
- P33 Yuka Miyake** and Komatsu, T.
Bivalves from the Upper Cretaceous Himenoura Group on Shimokoshiki-jima Island, Kagoshima, Japan

Geoparks highlighting Cretaceous

- P34 Ugai, H., Hirose, K., Hase, Y., Yuka Miyake** and Komatsu, T.
Working on 'Amakusa Goshoura Geopark'
- P35 Dorota Anna Kapuscik**
Selecting potential geosites in the eastern Kii Peninsula, SW Japan
- P36 Takashi Hasegawa** and Hibino, T.
Hakusan Tedorigawa Geopark: activity utilizing Early Cretaceous fossils and terrestrial sequences
- P37 Kenichi Kurihara** and Shimomura K.
Geopark activities utilized results and materials of Cretaceous researches in the Mikasa Geopark, Japan