



# The Fourth International Symposium of the International Geoscience Programme Project 679

**Aug. 28, 2024, Busan, South Korea**

## **PROGRAMME**

*“Linkage of Cretaceous solid earth dynamics, greenhouse climate, and response of ecosystems on land and in the oceans in Asia”*

**Cretaceous Earth Dynamics and Climate in Asia**



The Fourth International Symposium of IGCP 679 will be held on Aug. 28, 2024 by a joint session during the 37<sup>th</sup> International Geological Congress (Aug. 25-31, 2024, Busan, South Korea).

Title: The Fourth International Symposium of the International Geoscience Programme Project 679

Wednesday, August 28, 2024	
<p><b>Theme 3-S7:</b> Cretaceous Earth Dynamics and Climate in Asia (IGCP679 Joint Session)</p> <p><b>Conveners:</b> Taejin CHOI (Korea National University of Education)</p> <p><b>Co-Convenor:</b> Gang Li (Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences)</p>	
8:00-8:30	<p><b>Keynote</b></p> <p>A synthesis of provenance studies of the Cretaceous Gyeongsang Basin, SE Korea and its tectonic implications for active continental margin in East Asia</p> <p><b>Yong Il Lee</b> (Seoul National University, email: lee2602@snu.ac.kr)</p>
8:30-8:45	<p>Progress of IGCP 679: Cretaceous Earth Dynamics and Climate in Asia</p> <p><b>Gang LI</b> (Nanjing Institute of Geology and Palaeontology, CAS, email: gangli@nigpas.ac.cn)</p>
8:45-9:00	<p>Vegetation response against environmental change during the Oceanic Anoxic Event 2 recorded by terrestrial plant biomarkers in sediments from the Tomamae (Hokkaido, Japan)</p> <p><b>Masashi A IKEDA</b> (Kanazawa University, email: Kanazawa University)</p> <p>Ken SAWADA (Hokkaido University)</p> <p>Takuto ANDO (Akita University)</p> <p>Hideto NAKAMURA (Hokkaido University)</p> <p>Reishi TAKASHIMA (Tohoku University Museum)</p> <p>Hiroshi NISHI (Fukui Prefectural University)</p>
9:00-9:15	<p>A new Early Cretaceous bird shed new light on the evolution of avian cranial kinesis</p> <p><b>Min WANG</b> (Institute of Vertebrate Paleontology and Paleoanthropology, CAS, email: wangmin@ivpp.ac.cn)</p>

9:15-9:30	<p>Stratigraphic, sedimentary and basin evolution and its chronological constraints on the transition from Yanliao biota to Jehol biota during the Late Mesozoic in North China</p> <p><b>Yongqing LIU</b> (Institute of Geology, CAGS, email: <a href="mailto:liu_cags@126.com">liu_cags@126.com</a>)</p> <p>Hongwei KUANG (Institute of Geology, CAGS)</p> <p>Nan PENG (Institute of Geology, CAGS)</p> <p>Yuchong WANG (Institute of Geology, CAGS)</p> <p>Xiaoshuai CHEN (Institute of Geology, CAGS)</p>
9:30-9:45	Break
9:45-10:00	<p>Geochemical and palynological analyses of the Khovil coal deposit, Choir-Nyalga Basin, central Mongolia</p> <p><b>Nyamsambuu ODGEREL</b> (National University of Mongolia, email: <a href="mailto:n.odgerel@num.edu.mn">n.odgerel@num.edu.mn</a>)</p> <p>Niiden ICHINNOROV (Mongolian Academy of Sciences, Institute of Paleontology)</p> <p>Khukhuudei ULAMBADRAKH (National University of Mongolia)</p> <p>Adiya EVIIKHUU (Uyan Geo Resource LLC)</p>
10:00-10:15	<p>Development of a new silicate weathering index (RW) and its application to the Early Cretaceous strata distributed in East Asia</p> <p><b>Tenichi CHO</b> (Waseda University, email: <a href="mailto:tianct@fuji.waseda.jp">tianct@fuji.waseda.jp</a>)</p> <p>Tohru OHTA (Waseda University)</p> <p>Gang LI (Nanjing Institute of Geology and Palaeontology, CAS)</p>
10:15-10:30	<p>The sedimentological characteristics of the intermontane desert system in the Jurong Basin, South China and its relationship with the Late Cretaceous hot climate</p> <p><b>Shuo CAO</b> (China University of Geosciences, Beijing, email: <a href="mailto:caoshuo@cugb.edu.cn">caoshuo@cugb.edu.cn</a>)</p>
10:30-10:45	<p>Cretaceous stratigraphy, paleogeography and major geological events in eastern Neotethys</p> <p><b>Dangpeng XI</b> (China University of Geosciences (Beijing), email: <a href="mailto:xdp1121@163.com">xdp1121@163.com</a>)</p>
10:45-11:00	<p>Interpretations from detrital zircon geochronology of Lesser Himalaya strata, Nepal, regarding the Paleozoic-Mesozoic dispersal of Gondwana</p> <p><b>Upendra BARAL</b> (Institute of Fundamental Research and Studies, email: <a href="mailto:upendrabaral@gmail.com">upendrabaral@gmail.com</a>)</p> <p>Lin DING (Institute of Tibetan Plateau Research, Chinese Academy of Sciences)</p>
11:00-11:10	Break
11:10-12:00	Business Meeting of IGCP 679

**Poster** (8:00-18:00 Aug. 28, 2024)

1. Mineral magnetic variations across an inland sea-way excursion around Late Maastrichtian/Danian deposition of the Jhilmili intertrappean in the Deccan Volcanic Province, Mandla lobe, Madhya Pradesh, India.  
**Jyotibala SINGH** (Savitribai Phule Pune University, email: [balajyotisingh@gmail.com](mailto:balajyotisingh@gmail.com))  
S.J. SANGODE (Savitribai Phule Pune University)  
Bandana SAMANT (RTMNU , Geology Department)
2. Diverse microbially induced sedimentary structures (MISS) from the Cretaceous deposits of Korea: occurrences and paleoenvironmental implication  
**Hyun Joo KIM** (Pukyong National University, email: [sunstay@pknu.ac.kr](mailto:sunstay@pknu.ac.kr))  
In Sung PAIK (Pukyong National University)
3. Interpretation of Cretaceous geomorphology in eastern China based on palynological data  
**Suping LI** (Institute of Geology, CAGS, email: [lisuping@live.com](mailto:lisuping@live.com))  
Tianquan QU (Institute of Geology, CAGS)
4. Evaluation of the hinterland paleoweathering during the mid- to late-Cretaceous in Northwestern Kyusyu, Japan  
**Arisa NAKANO** (Waseda University, email: [risa.arisa@uri.waseda.jp](mailto:risa.arisa@uri.waseda.jp))  
Niko TODA (Waseda University)  
Tenichi CHO (Waseda University)  
Tohru OHTA (Waseda University)
5. Stable carbon isotope stratigraphy of the Tetori Group, Upper Jurassic to Lower Cretaceous siliciclastic shallow-marine to non-marine succession in central Japan: application for non-marine regional correlation  
**Mayuko KAMIVURA** (Kanazawa University, email: [f6ogtoad@gmail.com](mailto:f6ogtoad@gmail.com))  
Koichi HOYANAGI (Shinshu University)  
Takuto ANDO (Akita University)  
Takashi HASEGAWA (Kanazawa University)