

**Asian Orogeny and Continental Evolution:
New Advances from Geologic, Geophysical
and Geochemical Perspectives**

**An international conference in memory of
Prof. Bor-ming Jahn**

Date and venue:

6-11 November 2017

**Department of Geosciences, National Taiwan University &
Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan**

Sponsored by

Institute of Earth Sciences, Academia Sinica
Department of Geosciences, National Taiwan University
Ministry of Science and Technology, Taiwan



科技廳 Ministry of Science and Technology

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About the conference:

Asia that comprises numerous ancient cratonic blocks and young mobile belts is the largest composite continent on Earth today. During the Phanerozoic, it was enlarged by successive accretion of dispersed terranes that, associated with opening and closure of the Paleo-Asian and Tethyan oceans, had produced a significant amount of juvenile or mantle-newly-derived continental crust. Whereas the Central Asian Orogenic Belt (CAOB) could be one of the most juvenile crustal growth regions on Earth in Phanerozoic time, the eastern Tethyan orogenic belt (ETOB) was characterized not only by Tethyan subductions but also by accretionary orogenic processes that eventually led to significant juvenile crustal production from the Mesozoic to the Cenozoic. Both CAOB and ETOB appear to have evolved over time from an accretionary into a collisional system. Similar features are observed in young volcanic rocks from the complex subduction/accretionary system in south East Asia that would evolve one day to resemble the CAOB and ETOB by collision with the advancing Australian continent, and consequently become a key component of the Earth's future supercontinent "Amasia".

The proposed conference is expected to bring together numbers of researchers and experts and will provide a platform for exchange of scientific ideas, collaborative researches and the most recent progress regarding the Tethyan Orogen, Central Asian Orogen and tectonic evolution of SE Asia and the SW Pacific. The conference will address a wide range of topics related to tectonic, magmatism, seismic, geophysical, and metamorphism studies which have led to significant increase in our understanding of the Asian Orogeny and continental growth. We also take this chance to memorialize and pay tribute to respectful and beloved Prof. Bor-Ming Jahn who dedicated most his life on scientific issues related to Asian orogeny, especially crustal growth in Central Asian Orogen and first initiated joint research project between Taiwan and Russia on Earth Sciences. He suddenly left us late last year in 2016.

The conference will consist of a 2-day symposium held in Taipei and a subsequent 4-day fieldtrip, offering a traverse of the mountain belt and the suture zone between Eurasia and Philippine Sea plates.

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Themes cover:

- **Central Asian Orogenic Belt and growth of the continental crust in the Phanerozoic**
- **Collision and accretion in Tethys orogenic belt**
- **Geological and tectonic evolution of SE Asia and the SW Pacific**
- **Global continental evolution**
- **Ultra-High Pressure Metamorphism (UHPM) and Ophiolites**
- **4th Taiwan-Russia Joint Symposium**

Invited or Potential Keynote Speakers:

Peter Cawood (School of Earth, Atmosphere and Environment, Monash University)
Catherine Chauvel (CNRS, Universite de Grenoble)
Alfred Kroner (Dept. of Geosciences, University of Mainz)
Alexander B. Kotov (IPGG, Russian Academy of Sciences)
Mikhail I. Kuzmin (Inst. of Geochem., Siberian Branch, Russian Academy of Sciences)
Xian-Hua Li (Inst. Geol. Geophys., Chinese Academy of Sciences)
Zheng-Xiang Li (Department of Applied Geology, Curtin University)
Shoufa Lin (Dept. Earth and Environmental Sciences, University of Waterloo)
Herve Martin (OPGC-Universite de Blaise Pascal – CNRS, Clermont-Ferrand)
Shige Maruyama (Dept. Earth and Planetary Sciences, Tokyo Institute of Technology)
Julian Pearce (School of Earth and Ocean Sciences, Cardiff University)
Mike Searle (Dept. of Earth Sciences, Oxford University)
Wen-Jiao Xiao (Inst. Geol. Geophys., Chinese Academy of Sciences)
An Yin (Dept. of Earth and Space Sciences, UCLA)
Guochun Zhao (Dept. of Earth Sciences, The University of Hong Kong)

Scientific Committee:

I-Ming Chou (Sanya Inst. of Deep-Sea Sci. and Engineer, CAS)
Sun-Lin Chung (Institute of Earth Sciences, Academia Sinica)
Gary Ernst (School of Geological and Environmental Sciences, Stanford University)
Yukio Isozaki (Dept. Earth Science and Astronomy, The University of Tokyo)
Juhn J.G. Liou (School of Geological and Environmental Sciences, Stanford University)
Dunyi Liu (Beijing SHRIMP Center, Chinese Academy of Geological Sciences)
Ching-Hua Lo (Dept. of Geosciences, National Taiwan University)
Ho-Kwang Mao (Geophysical Laboratory, Carnegie Institution of Washington)
Tao Wang (Institute of Geology, Chinese Academy of Geological Sciences)
Fu-Yuan Wu (Inst. Geol. Geophys., Chinese Academy of Sciences)
Yi-Gang Xu (Guangzhou Institute of Geochemistry, Chinese Academy of Sciences)
Mei-Fu Zhou (Dept. of Earth Sciences, The University of Hong Kong)

Organizing Committee:

Chair: **Sun-Lin Chung** (Institute of Earth Sciences, Academia Sinica)
Co-Chair: **Yih-Min Wu** (Dept. of Geosciences, National Taiwan University)
Secretary General: **Kuo-Lung Wang** (Institute of Earth Sciences, Academia Sinica)
Co-Secretary General: **Li-Hung Lin** (Dept. of Geosciences, Natl. Taiwan Univ.)
Leaders of field trip:
Hao-Tsu Chu (Central Geological Survey, MOEA)
Chin-Ho Tsai (Dept. Natural Resources & Environ. Studies, Natl. Dong Hwa Univ.)
Chung-Pai Chang (Center for Space & Remote Sensing Res., Natl. Central Univ.)
Yu-Ming Lai (Dept. of Earth Sci., Natl. Taiwan Normal Univ.)

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Tentative program of the Symposium:

Nov. 5	Arrival at Taipei; Check in to accommodation; Registration.
Nov. 6	Opening ceremony; Thematic Sessions; Ice-break party
Nov. 7	Thematic Sessions
Nov. 8-11	Field excursion; outcrop including (1) Mesozoic metamorphic complex; (2) High-pressure metamorphic Yuli Belt (Protolith ~15 Ma); (3) East Taiwan Ophiolite (~15 Ma); (4) Coastal Range, eastern Taiwan, the N. Luzon arc (14-4 Ma)
Nov. 12	Departure

Important deadlines

31 July 2017	Registration form, submission of provisional titles of talks.
15 September 2017	Deadline of abstract submission
1 October 2017	Distribution of the 2nd circular

Abstract

Abstracts will be required from all participants. Abstract is called to submit before 15 September 2017. Length of abstracts are limited not to exceed 2 A4 page including figures and tables, using a 12-pont Times New Roman font, single line spacing and 2.5 cm margins from all sides.

Accommodation

Hotel reservation for participants will be done following the registration form.

Registration

If you wish to take part in the symposium please fill in the registration form and e-mail it to the following address: Ms Josie Lin josie@earth.sinica.edu.tw by **July 31, 2017**

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REGISTRATION FORM

First Name _____

Last Name _____

Title: _____

Institution: _____

Address: _____

Phone: _____ Fax: _____

Email: _____

Provisional title of my talk

Presentation preference: Oral _____ Poster _____ (Note: finally determined by Organizing Committee)

Attending field excursion: Yes _____ No _____

Arrival at Taipei

Date: _____ Flight Number: _____

Departure from Irkutsk

Date: _____ Flight Number: _____

Duration: _____ Nights / _____ Days