



Deep Earth Exploration and Scientific Drilling

A workshop under the auspices of
the Chinese Academy of Geological Sciences and
the International Continental Scientific Drilling Program
Guilin, China, June 1, 2018 at the Grand Link Hotel

Convener: Prof. Qingtian Lu, Chinese Academy of Geological Sciences

Co-Convener: Prof. Stefan Luthi, ICDP Liaison Officer

Start 09:00 am

1. Opening

- 09:00-09:10 Opening address (*Chinese Academy of Geological Sciences, China Geological Survey*)
- 09:10-09:20 Welcoming address Chinese Ministry (*Ministry of Natural Resources of China*)
- 09:20-09:30 Welcoming address ICDP (Executive Chair of ICDP Prof. Marco Bohnhoff)

2. Exploring Earth's crust

- 09:30-09:45 SinoProbe-I achievements and beyond (*Prof. Dong Shuwen, Chinese Academy of Geological Sciences*)
- 09:45-10:00 ICDP's key scientific and societal challenges (*Prof. Marco Bohnhoff, ICDP chair*)
- 10:00-10:15 IODP China – IODP achievements and prospective (*Prof. Jian Zhimin, Tongji University*)
- 10:15-10:30 Deep life investigation: progresses and challenges (*Prof. Wang FengPing, Shanghai Jiao Tong University*)

10:30-11:00 Coffee Break

3. Drilling for Paleoclimate and Ecosystems Evolution

- 11:00-11:15 Continental Scientific Drilling Project of Cretaceous Songliao Basin: continuous high-resolution terrestrial archives and greenhouse climate change (*Prof. Gao Yuan, China University of Geosciences*)
- 11:15-11:30 Songliao Coring: engineering challenges and accomplishments (*Prof. Zhang Jinchang, Institute of Exploration Techniques*)



- 11:30-11:45 Human Origins and Paleolakes Drilling Project (*Prof. Melanie Leng, British Geological Survey*)
- 11:45-12:00 Dead Sea Drilling Project (*Prof. Moti Stein, Hebrew University of Jerusalem*)
- 12:00-12:15 Nam Co drilling plans (*Prof. Zhu Liping, Chinese Academy of Sciences*)

12:15-13:30 Lunch

4. Drilling and Monitoring of Natural Disaster Sources

- 13:30-13:45 Wenchuan drilling results and long-term monitoring (*Prof. Li Haibing, PI Wenchuan, Chinese Academy of Geological Sciences*)
- 13:45-14:00 Multi-well deep underground observation and experimental system in the eastern Asia: understanding Earth interior processes from geological to human time scales (*Prof. Dong Hailiang, China University of Geosciences*)
- 14:00-14:15 DEEPAK Deep Drilling at Koyna India (*Dr. Sukanta Roy, Ministry of Earth Sciences, Govt. of India*)
- 14:15-14:30 EGER Rift Drilling Czech Republic (*Prof. Tomas Fischer, Charles University, Prague*)
- 14:30-14:45 Key technologies for deep continental scientific drilling equipment (*Prof. Sun Youhong, Jilin University*)

5. Sustainable Georesources

- 14:45-15:00 The HiTech AlkCarb experience: challenges in developing a drilling project for alkaline rocks and carbonatites (*Dr. Kathryn Goodenough, British Geological Survey*)

6. The future of Deep Earth Exploration

- 15:00-15:30 Discussion, Summary and farewell

Envisaged end 03:30 pm