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