

Report of the 2017 International Symposium on Planetary Remote Sensing and Mapping

13-16 August 2017, Hong Kong, China

From 13 to 16 August 2017, the 2017 International Symposium on Planetary Remote Sensing and Mapping (PRSM2017) was successfully held at the Hong Kong Polytechnic University (PolyU). The Symposium was jointly organized by the International Society for Photogrammetry and Remote Sensing (ISPRS) Working Group III/II: "Planetary Remote Sensing and Mapping" and the Department of Land Surveying and Geo-Informatics (LSGI) of PolyU. The Symposium provided an interdisciplinary forum for leading scientists and researchers from different countries/regions to share the latest research and developments from the recent missions exploring the Moon, Mars, and other planets by NASA, ESA (European Space Agency), China, and other countries.



The themes of the Symposium were as follows:

- Planetary remote sensing
- Planetary photogrammetry and robotic vision
- Planetary cartography
- Planetary GIS and database systems
- Planetary remote sensing data fusion
- Information extraction from planetary remote sensing data
- Reference systems of celestial bodies
- Data from asteroids/comets
- Geo-visualization of planetary remote sensing data
- Planetary exploration missions
- Planetary science

The opening ceremony on 14 August 2017 included opening speeches by Prof. Wen-zhong Shi, Head of the Department of Land Surveying and Geo-Informatics of PolyU, and Prof. Kaichang Di, Chairman of the ISPRS Planetary Remote Sensing and Mapping Working Group. Prof. Zhilin Li, Chief Editor of the ISPRS Book Series; Prof. Bo Huang, President of the Hong Kong Society for Remote Sensing; Dr. Conrad Tang, Chairman of the Land Surveying Division of the Hong Kong Institute of Surveyors; and Mr. LAM Lityin, President of the Hong Kong Institution of Engineering Surveyors attended the Symposium. In the three-day period, the Symposium was well received by approximately 100 participants with 12 different sessions, including two keynote sessions, nine oral sessions and one poster session.



The keynote speakers include Prof. Raymond Arvidson of Washington University in St. Louis, USA, with a speech about “*Exploring the Ancient Martian Geologic Record Using the Opportunity and Curiosity Rovers*”; Prof. Nicolas Thomas of University of Bern, Switzerland, with a speech about “*The Colour and Stereo Surface Imaging System (CaSSIS) on the ExoMars Trace Gas Orbiter*”; Dr. Randy Kirk of U.S. Geological Survey, with a speech about “*From Planetary Cartography to Planetary Spatial Data Infrastructure*”; Prof. Kaichang Di of the Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, with a topic about “*Landing Site Mapping and Rover Localization for the Chang’E-3 Mission*”; and Dr. Carsten Güttler of Max Planck Institute for Solar System Research, Germany, with a topic about “*Comet 67P/Churyumov-Gerasimenko through the Eyes of the Rosetta/OSIRIS Cameras*”;



Keynote speaker: Prof. Raymond Arvidson



Keynote speaker: Dr. Randy Kirk

For more details and programme of the Conference, please visit its official website:
<http://event.lsgi.polyu.edu.hk/prsm2017/>.

Bo Wu

Chairman, PRSM2017 Organizing Committee
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