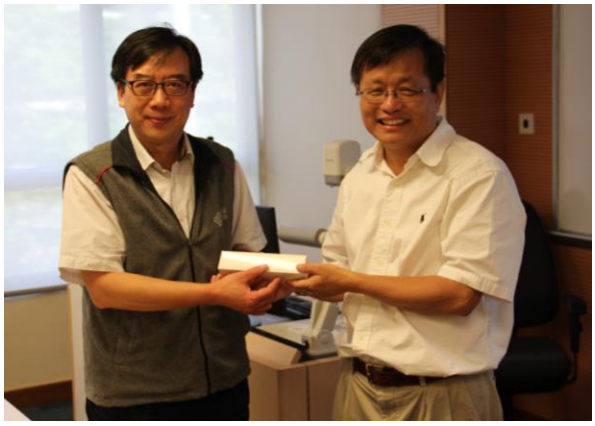
LSGI Distinguished Lecture Series
"Remote Sensing for Antarctic Ice Sheet and Global Sea Level Monitoring"

Overview

It was our pleasure to invite Prof. Rongxing LI, Professor and Director of the Center for Spatial Information Science and Sustainable Development Applications at Tongji University in Shanghai, China, to deliver a seminar of the LSGI Distinguished Lecture Series on 6 October 2016.

Prof. LI presented his reports research results of a research project on remote sensing monitoring of Antarctic mass loss using optical, Insar, altimeter and gravity measurements. He explained that the associated global sea level rise was also estimated. Specifically, an assessment of Antarctic ice sheet surface mass balance from 2003 to 2008 had been carried out using a combination of ICESat data and GRACE data from 2003 to 2008. Detailed information about the data processing, elevation and mass balance changes, and comparison with other studies were discussed. Surface observations of SMB and firm density were used for comparison and conversion of elevation changes to mass changes. An analysis of global and local sea level change impact on the Chinese coast was also introduced.



Prof. Rongxing LI

Rongxing (Ron) Li received the B.S. and M.S. degrees (with honors) in surveying and mapping from Tongji University, Shanghai, China, in 1982 and 1984, respectively, and the Ph.D. degree in photogrammetry and remote sensing from the Technical University of Berlin, Berlin, Germany, in 1990. After spending over four years as an Assistant Professor with the University of Calgary, Alberta, Canada, he joined the Department of Civil, Environmental, and Geodetic Engineering, The Ohio State University, Columbus, USA, where he was the Lowber B. Strange Professor of Engineering and the Director of the Mapping and GIS Laboratory from 1996 to 2014. Since 2014 he has been Professor and Director of the Center for Spatial Information Science and Sustainable Development Applications at Tongji University in Shanghai, China. His research interests include photogrammetry, digital mapping, polar remote sensing, planetary exploration, and coastal and marine geographic information systems. He is a Senior Member of IEEE, a fellow of the American Society for Photogrammetry and Remote Sensing, and a fellow of the American Society for Civil Engineers. He is the Editor-in-Chief of the Taylor & Francis journal Marine Geodesy.