

Report of 1st ISPRS Workshop on Remote Sensing and Synergic Analysis on Atmospheric Environment

21-22 Sept. 2017, Changsha, China

The 1st ISPRS Workshop on *Remote Sensing and Synergic Analysis on Atmospheric Environment* was held in Changsha, China during Sept. 21 and 22, 2017. It was organized by the ISPRS Working Group on Remote Sensing of Atmospheric Environment (WGIII/8) and Central South University. Professor Lixin Wu, chairman of the ISPRS WGIII/8, served as the chairman of the workshop. There were more than 90 attendees from 25 institutions, e.g., German Aerospace Center (DLR), Ludwig-Maximilians-Universität München (LMU), Chinese Academy of Sciences (CAS), Wuhan University, Fudan University. There were 35 oral presentations including 15 invited speakers from remote sensing, meteorology, environment, and public health areas. The themes of the conference were as follows:

- ✧ Satellite retrieval of aerosols optical depth
- ✧ Satellite retrieval of NO_x, SO₂, O₃, etc.
- ✧ Validation of satellite measurements
- ✧ Ground-based remote sensing of aerosol optical characteristics
- ✧ Ground-based LIDAR and DOAS observations
- ✧ Application of satellite data for air quality research
- ✧ Characteristics of hazes and anthropogenic aerosols
- ✧ Interaction of aerosol-planetary boundary layer
- ✧ Interaction of aerosol-cloud-radiation
- ✧ Remote Sensing and GIS applications in estimating environmental exposure risk

After the meeting, people reached a consensus on three points: 1) The workshop will be held continuously once a year, and it will be held in Sun Yat-sen University in 2018; 2) The WGIII/8 will prepare at least three sessions for the ISPRS TC III mid-term Symposium that will be held in May 2018 in Beijing; 3) The WGIII/8 will apply to ACP and/or AMT journals for special issues in the next year.



ISPRS Workshop

Remote Sensing and Synergic Analysis on Atmospheric Environment

大气环境遥感与协同分析研讨会

湖南长沙 2017.9.21-22





Kai Qin

Associate Professor, China University of Mining & Technology
Secretary, ISPRS WG RSE III/8