# The 2019 International Workshop on Remote Sensing of Environment and Natural Resources: Data, Methods and Applications

**Beijing, China / 10-11 June, 2019**

## PROGRAM

**Meeting Room No.7, BNU Jingshi Hall (3rd floor)**

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| June 10th, 2019 | 8:30-8:45 | **Welcome** | |
| | 8:45-9:35 | Keynote Speech: Modeling Snow Properties from Optical to Microwave<br>Keynote Speaker: Prof. Jiancheng Shi, Beijing Normal University | |
| | 9:35-10:10 | **Group Picture & Coffee Break** | |
| | 10:10-11:00 | Keynote Speech: Global Agriculture Monitoring<br>Keynote Speaker: Prof. Chris Justice, University of Maryland | |
| | 11:00-12:00 | **Session-1: Remote Sensing for Global Agriculture**<br>**Session Chair: Prof. Chris Justice** | |
| | 11:00-11:20 | National Crop Acreage Survey Combining Remote Sensing and Spatial Sampling Technology in China | Prof.Yaozhong Pan,<br>Beijing Normal University |
| | 11:20-11:40 | Crop Nutrition and Pest Monitoring by Remote Sensing | Prof.Wenjiang Huang,<br>Institute of Remote Sensing and Digital Earth, CAS |
| | 11:40-12:00 | Rapidly Assessing Chilling Injury Damage Based on Google Earth Engine and Crop Model by SDLA | Prof.Zhao Zhang,<br>Beijing Normal University |
| | 12:00-14:00 | **Lunch time** | |
| | 14:00-15:30 | **Session-2: Remote Sensing for Water Resources and Water Cycle**<br>**Session Chair: Prof. Jiancheng Shi** | |
| | 14:00-14:30 | Global Evapotranspiration from Remote Sensing Observations and Application for Detecting Water Deficit | Prof. Li Jia,<br>Institute of Remote Sensing and Digital Earth, CAS |
| | 14:30-14:50 | Estimation of Water Storage Changes from the GRACE Satellites and Assimilation of GRACE Data in Hydrological Modeling to Improve Understanding of Hydrological Processes | Prof. Di Long,<br>Tsinghua University |
| | 14:50-15:10 | Water and Heat Variables Observations, Remote Sensing Estimation and Validation | Prof. Tongren Xu,<br>Beijing Normal University |
| | 15:10-15:30 | Snow Cover Fraction Estimation with the Geostationary Satellites | Prof. Lingmei Jiang,<br>Beijing Normal University |
| | 15:30-15:50 | **Coffee Break** | |
| | 15:50-17:20 | **Session-3: Remote Sensing Monitoring of Vegetation and Terrestrial Ecology**<br>**Session Chair: Prof. Jin Chen** | |
| | 15:50-16:20 | Advancing Global Land Monitoring | Prof. Matthew Hansen,<br>University of Maryland |
| | 16:20-16:40 | First Global Terrestrial Solar-Induced Chlorophyll Fluorescence Mapping from TanSat Satellite: Algorithm and Product | Prof. Liangyun Liu,<br>Institute of Remote Sensing and Digital Earth, CAS |
| | 16:40-17:00 | Indirect Optical Measurements of Leaf Area Index | Prof. Guangjian Yan,<br>Beijing Normal University |
| | 17:00-17:20 | A Snow-free Vegetation Index for Improved Monitoring of Vegetation Spring Green-up Date in Deciduous Ecosystems | Prof. Jin Chen,<br>Beijing Normal University |
| | 18:00 | **Welcome Banquet** | |

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| June 11th, 2019 | 8:30-10:00 | **Session-4: Remote Sensing for Natural Disaster Reduction**<br>**Session Chair: Prof. Jianjun Wu** | |
| | 8:30-9:00 | Black Marble: Mapping Recovery Through Satellite Data | Dr. Miguel O. Román,<br>Earth from Space Institute (EfSI) |
| | 9:00-9:20 | Integrative System for Natural Disaster Emergence Response | Prof. Jianjun Wu,<br>Beijing Normal University |
| | 9:20-9:40 | GF6 Satellite and It's Using for Disaster Risk Reduction | Dr. Suju Li,<br>National Center for Natural Disaster Reduction |
| | 9:40-10:00 | Assessment on the House Damage by Earthquake Using High Resolution Remote Sensing | Prof. Hong Tang,<br>Beijing Normal University |
| | 10:00-10:20 | **Coffee Break** | |
| | 10:20-11:50 | **Session-5: Geographical information analysis and spatial statistics**<br>**Session Chair: Prof. Kathleen Stewart** | |
| | 10:20-10:50 | Big Data GPS Trajectory Analysis for Travel Activity Modeling | Prof. Kathleen Stewart,<br>University of Maryland |
| | 10:50-11:10 | Statistics for Spatial Stratified Heterogeneity | Prof. Jinfeng Wang,<br>Institute of Geographical Science and Natural Resources Research, CAS |
| | 11:10-11:30 | Boltzmann Entropy for Spatial Information of an Image | Prof. Peichao Gao,<br>Beijing Normal University |
| | 11:30-11:50 | Spatio-Temporal Statistical Method for Quantitative Remote Sensing Products Fusion | Prof. Yanchen Bo,<br>Beijing Normal University |
| | 12:00-14:00 | **Lunch time** | |

***WELCOME !***