

June 19 (Tuesday)				
Registration (8:00 - 18:00)				
Plenary Session 2 XUST Main Building Conference Hall Chair: George Xian				
8:00	Prof. Ni-Bin Chang, University of Central Florida, USA, Recent Progress in Remote Sensing for Environmental Change Detection in Water Cycle			
8:30	Prof. Paolo Gamba, University of Pavia, Italy, Human Settlement and Infrastructure Monitoring with Hyperspectral Imaging			
9:00	Dr. Clément Mallet, French Mapping Agency (IGN), France, Towards Operational Very High Resolution Land-Cover Mapping			
9:30	Coffee Break			
	Oral Session 7: LiDAR XUST Library Floor 2 Conference Room Chair: Lin Cao	Oral Session 8: Ecological and Environmental Quality Assessment XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: Man Sing Wong	Oral Session 9: Remote Sensing of Vegetation Dynamics XUST Main Building Floor 8 Room 804 Chair: Guangxin Wang	Oral Session 10: Remote Sensing of Environments XUST Main Building Conference Hall Chair: Yan Gao
10:00	Synergetic use of airborne LiDAR, CCD and hyperspectral data for above-ground biomass estimation in a subtropical forest, Xin Shen, Lin Cao, Guibin Wang and Fuliang Cao, Nanjing Forestry University, CHINA	Spatial-temporal characteristics of ecological sensitivity in Guangdong-Hong Kong-Macao Greater Bay area, Lin Gan, Yingbiao Chen, Zhifeng Wu, Qinglan Qian and Zihao Zheng, Guangzhou University, CHINA	Interpretation of sun-induced chlorophyll fluorescence for remote sensing of photosynthesis, Peiqi Yang and Christiaan van der Tol, University of Twente, NETHERLANDS	Remote sensing monitoring and evolution driving analysis of aquatic vegetation in Taihu Lake, Jiang Youyi, Xu Xuemin, Ma Ronghua, Li Xiao and Ding Fan, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, CHINA
10:20	Estimation of Leaf area index in conifer forest integrating airborne LiDAR data and SPOT5 imagery based on Random Forests method, Yunfei Bao, Nan Zhou, Cheng Jiang and Shixiang Cao, Beijing Institute of Space Mechanics and Electricity, CHINA	National Ecological Environmental Quality Assessment Based on Multi-source Remote Sensing Data, Kailei Xu, Kun Tan and Yu Chen, China University of Mining and Technology, CHINA	Estimating Mangrove Canopy Chlorophyll Content with Proximal and Remote Sensing, Chen Shi, Le Wang and Xile Cao, Capital Normal University, CHINA	Long Time Sequence Monitoring on Chaohu Algal Blooms Based on Multi-source Optical and Radar Remote Sensing Images, Shiyu He, Xiaoshuang Ma and Yanlan Wu, Anhui University, CHINA
10:40	The evaluation of parametric and non-parametric models for biomass estimation using UAV-LiDAR in a planted forest of southeast China, Kun Liu, Lin Cao, Guibin Wang and Fuliang Cao, Nanjing Forestry University, CHINA	Precision evaluation of flying experimentation data of the airborne vector geomagnetic measurement, Xiaogang Liu, Zhongmiao Sun, Jianfeng Ji, Weichao Duan and Liping Zhang, Xi'an Research Institute of Surveying and Mapping, CHINA	A Novel Vegetation Cover Estimation Method for Desertification Area by Integrating Nonlinear Unmixing analysis and Random Forest, Yunlei Cui, Hua Sun, Guangxing Wang, Xiaoyu Xu and Sijun Lei, Southern Illinois University Carbondale, CHINA	Analysis and Research on Channel Changes of Dagu River Based on Remote Sensing Technology, Bing Zhao, Yulin Cai and Huijie Yuan, Shandong University of Science and Technology, CHINA
11:00	Downscaling LiDAR-derived area-based volume into tree-level by Weibull modeling in a subtropical forest, Zhengnan Zhang, Lin Cao and Guanghui She, Nanjing Forestry University, CHINA	Ground-based GPS Used for Inversion of Soil moisture Parameters, Zhao Guisheng, Zhang Shuangcheng, Zhang Qin, Zhang Chenglong and Liu Qi, Chang'an University, CHINA	Improving Forest Aboveground Biomass Estimation by Incorporating Age Dummy Variable and Using Landsat 8 OLI Images for Pinus densata forests in Yunnan of Southwestern China, Guanglong Ou, Chao Li, Anchao Wei, Yanyu Lv, Hexian Xiong, Hui Xu and Guangxing Wang, Southwest Forestry University, CHINA	Using the Mean-shift and Region Growing Algorithm to Extract Coastline – A Case Study of the Arctic Region of Wrangel Island, Li Liang, Qingsheng Liu, Gaohuan Liu and Chong Huang, Institute of Geographic Sciences and Natural Resources Research, CAS, CHINA
11:20	Evaluation of different approaches for biomass change estimation in a planted forest using bi-temporal airborne LiDAR data, Lin Cao, Guanghui She and Honghua Ruan, Nanjing Forestry University, CHINA	Characterization of Asian Dust Storms by MTSAT Satellite Retrievals, Jing Li, Man Sing Wong, Ka Ming Wai and Kwon Ho Lee, The Hong Kong Polytechnic University, HONG KONG	Improving the Accuracy of Mapping Vegetation Cover for Monitoring Land Degradation and Desertification for arid and semi-arid areas Using Optimized kNN, Hua Sun, Qing Wang, Guangxing Wang, Hui Lin, Jiping Li, Siqi Zeng, Xiaoyu Xu and Langxiang Ren, Southern Illinois University at Carbondale, USA	The Validation and Analysis of VIIRS AOD through a Comparison with MODIS AODs over Xi'an, Jun Zheng, Kainan Zhang and Zhiqiang Yang, Chang'an University, CHINA
12:00	Lunch			
	Oral Session 11: Advances in Image Classification and Feature Extraction XUST Library Floor 2 Conference Room Chair: Xiuping Jia	Oral Session 12: Global and Regional Environmental Changes XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: George Xian	Oral Session 13: Image Geometric Quality XUST Main Building Floor 8 Room 804 Chair: Kun Tan	Poster Session (III) Entrance Area of XUST Main Building Chair: Fuquan Tang
14:00	A Fast Spatio-Spectral Co-Enhanced Pan-Sharpener Method, Xiangchao Meng, Randi Fu, Feng Shao, Wei Jin and Huanfeng Shen, Ningbo University, CHINA	Using CLDAS Forcing Data to Drive SSIB2 to Simulate Soil Moisture and Soil Temperature in The Tibetan Plateau, Han Shuai and Shi Chunxiang, National Meteorological Information Center, CHINA	High Resolution Remote Sensing Image Registration Based on Local and Global Keypoint Description, Zhanqiang Liu and Licheng Wang, Beijing University of Posts and Telecommunications, CHINA	Details Below.
14:20	Scene division based stratified object oriented remote sensing image classification, Wen Zhou, Dongping Ming, Lu Xu and Hanqing Bao, China University of Geosciences (Beijing), CHINA	Dynamic Change of Land Cover of Qinling Mountains Based on MODIS NDVI, Zhang Jiabei, Xi'an University of Science and Technology, CHINA	Geometric Quality Improvement and Verification of ZY3-02 Imagery, Changru Liu, Xinming Tang, Ping Zhou, Ning Cao, Xia Wang and Fengxiang Li, Satellite Surveying and Mapping Application Center, NASG, CHINA	
14:40	Superpixel based spatial feature extraction for weed classification using VHR imagery, Natalie Stafford and Xiuping Jia, The University of New South Wales, AUSTRALIA	Anomaly detection and attribution analysis of regional carbon source and carbon sink using GOSAT retrievals, Shaoqing Zhang, Liping Lei, Zhonghua He, Mengya Sheng, Nian Bie, Shaoyuan Yang, Changjiang Wu, Hui Zhong and Zhaocheng Zeng, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA	A new method of measurement under the condition of no intervisibility between control points, Qingwei Zhu and Mingming Liu, Xi'an University of Science and Technology, CHINA	
15:00	Study on White Birch Identification in Northeastern China using Hyperspectral Remote Sensing Data, Kun Shang and Yao Liu, China Aero Geophysical Surveying and Remote Sensing Center for Land and Resources, CHINA	Modification of WRF model for improving the retrieval of climate parameters using remote sensing, Luo Liu, Yueming Hu and Zhenjie Liu, South China Agricultural University, CHINA	An Efficient Geometric Rectification Method for Planetary Linear Pushbroom Images Based on Fast Back-projection Algorithm, Xun Geng, Xi'an Institute of Surveying and Mapping, CHINA	
15:20	On Payload Spatial and Spectral Resolutions for Automatic Ship Detection in Satellite Images, Xiuping Jia, J Versteegen, S Tuttle, D Naughton and M Pickering, The University of New South Wales, AUSTRALIA	Exploration of Interannual Variations of Global Land Surface Phenology from 1982-2016, Xiaoyang Zhang and Lingling Liu, South Dakota State University, USA	Landslide Identification Based on Image Correlation Analysis and Object-Oriented Analysis, Cheng Mengzhen and Hui Wenhua, Chang'an University, CHINA	
	Poster Session (III): Natural and Human Systems Entrance Area of XUST Main Building Chair: Fuquan Tang			
P30	Analysis of Regional Economic Development Based on Remote Sensing, Xu Lu, Chao Chen and Jiaoqi Fu, Zhejiang Ocean University, CHINA			
P31	Analysis of Spatio-temporal Pattern Evolution of Marine Hydrological Elements in Zhoushan Sea Area, Jiaoqi Fu, Chao Chen and Xu Lu, Zhejiang Ocean University, CHINA			

P32	China's "Belt and Road Initiative" needs to have biodiversity conservation at its core, Alex Lechner, Faith Ka Shun Chan and Ahimsa Campos-Arceiz, University of Nottingham, CHINA																												
P33	"Sponge City" in China – a breakthrough of flood risk management and urban planning, Faith Ka Shun Chan, Jim Griffiths and Fang Zhang, University of Nottingham, CHINA																												
P34	Change analysis of natural ecological environment quality in Zhengzhou city in recent four years based on RS, Zhifeng Zheng, Jiannong Cao and Wenjiao Zhang, Chang'an University, CHINA																												
P35	Landuse and socio-economic impact of urbanization on vegetation land: A study of Aligarh City, India, Atul Gautam, Capital Normal University, CHINA																												
P36	Deformation monitoring and law of Beijing metro line 6 (phase II), Chen Zhao, Guangyao Duan, Zhenghui Yi, Xuan Chen and Zhen Wang, Tianjin Chengjian University, CHINA																												
P37	Global Light Pollution Dynamics from 1992 to 2012 Based on Nighttime Light Remote Sensing, Wei Jiang, Guojin He, Tengfei Long, Guizhou Wang, Ranyu Yin and Weili Jiao, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA																												
P38	Suitability evaluation of redevelopment of old city area based on POI data, Duan Sun, Yingbiao Chen and Qinglan Qian, Guangzhou University, CHINA																												
P39	Monitoring Urban Expansion Of Shaanxi Province In China Using Time Series Of Nighttime Light Data, Li Li, Zhang Chunsen and Huang Yuancheng, Xi'an University of Science and Technology, CHINA																												
P40	Chinese Gross Regional Product (GRP) Prediction Using Desaturated DMDP/OLS Night Light Data, Yuqian Wang, Xuan Kong, Xiangjian Xie, Kuan Qian and Penggen Cheng, East China University of Technology, CHINA																												
P41	Spatial structures of Chinese Urban Agglomerations in the "Silk Road Economic Belt": Status and Problems, Qingke Wen, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA																												
P42	A New Method of Semi-automatic Right-angle Building Extraction from High-resolution Remote Sensing Image, Chunsen Zhang and Yan Hu, Xi'an University of Science and Technology, CHINA																												
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P44	Seasonal and interannual variability of Chlorophyll a concentration in Qingdao coastal area as revealed from satellite data (2002–2013), Yan Zhou, Dingfeng Yu, Zhigang Gai and Yingying Gai, Qilu University of Technology, CHINA
P45	Experimental Research On Radar Remote Sensing Monitoring of Coal Mining Subsidence in Loess Mining Area, Dong Longkai and Tang Fuquan, Xi'an University of Science and Technology, CHINA
P46	Study on the physiological indexes of the common plant populations in desertification process on the southeast edge of Mu Us Sandy Land, Yang Meihuan, Cao Mingming and Zhu Zhimei, Xi'an University of Science and Technology, CHINA
P47	Analysis of Vegetation cover change in Xi'an Based on MODIS NDVI/EVI, Fu-Quan Tang and Hai Huang, Xi'an University of Science and Technology, CHINA
P48	Spatial heterogeneity of soil carbon and nitrogen in the alpine meadows of Yak Meadow at Mount Jade Dragon, Lixia Shi, Yunnan University, CHINA
P49	Impacts of Position Errors on Accuracy of Single Tree Volume Inversion of Cunninghamia lanceolata based on GF-2 Data, Jia Li, Hui Lin, Guangxing Wang, Jiangping Long, Kai Du and Chengjie Li, Central South University of Forestry and Technology, CHINA
P50	Alpine Meadow Ecosystem Data Fusion, Rongrong Ma, Zhefan Zhou, Yubin Guo, Yueming Hu and Guozhu Yang, South China Agricultural University, CHINA
P51	The study on the method of monitoring the restoration effect of heavy metals in mine based on the background value of vegetation, Jue Chen and Jun Ding, Xiangtan University, CHINA
P52	Monitoring Ground Deformation Of Subway Area During The Construction, Lina Zhang, Jicang Wu, Jingwen Zhao and Fengming Hu, Suzhou University of Science and Technology, CHINA
P53	NDVI and SPI Based Drought Study in Pakistan, Badar Ghauri, Institute of Space Technology, PAKISTAN
P54	Object - Oriented Landslide Interpretation Based on Ontology Concept, Wei Jiawang and Hui Wenhua, Chang'an University, CHINA
P55	Ground Subsidence Study in Kunming District Based on SBAS Technology & sentinel-1 Imagery, Zhang Guofei, Yue Cairong, Zhang Wanqiu and Du Xiang, Southwest Forestry University, CHINA
P56	Study on the extraction of forest vegetation types based on mixed pixel decomposition, Ren Pengzhou and Yue Cairong, Southwest Forestry University, CHINA
P57	Study on the Spatial Decision Support System of Sea Area Grading Based on GIS and RS, Li Zhou, Haiying Li, Jun-Sheng Liu and Change Dou, Huaihai Institute of Technology, CHINA
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19:00	Dinner