

July 5 (Tuesday)				
Registration (8:00 - 18:00)				
Plenary Session 2 Qinghe Hall Chair: George Xian				
8:00	Prof. Jing-Ming Chen, University of Toronto, Canada, On the Relationship between Sun-induced Chlorophyll Fluorescence and Gross Primary Productivity			
8:30	Prof. Shunlin Liang, University of Maryland, USA, Information Extraction in Land Remote Sensing and Applications to Environmental Change Studies			
9:00	Prof. Paolo Gamba, University of Pavia, Italy, Urban Area Extraction Exploiting Multi-Resolution SAR Data Fusion			
9:30	Coffee Break			
Special Session: GEO Global Urban Observation and Information Qinghe Hall Chair: Qihao Weng				
10:00	Global Urban Observation and Information: Plans for 2017-2019, Qihao Weng, Indiana State University, USA			
10:20	Development of National Land Cover 2016 product, George Xian, United States Geological Survey, USA			
10:40	Long-term monitoring of urban impervious surface mapping by the fusion of multi-temporal and multi-sensor remote sensed data: A 20-year case study of the city of Wuhan in China, Zhenfeng Shao, Yuan Zhang, and Weiqi Zhou, Wuhan University, CHINA			
11:00	Development of an automated system for building detection from high-resolution satellite images, Hiroyuki Miyazaki, Kentaro Kuwata, Wataru Ohira, Zhiling Guo, Xiaowei Shao, Yongwei Xu and Ryosuke Shibasaki, University of Tokyo, JAPAN			
11:20	New Opportunities for Global Environmental Monitoring Arising from Integrative Service Platforms for Earth Observation Data Exploitation, Thomas Esch, Andreas Hirner, Hubert Asamer, Christoph Reck, Mattia Marconcini, Annkatrin Metz, Martin Boettcher, Hans Permana, Emmanuel Mathot, Tomas Soukup, Filip Stanek and Štěpán Kuchař, German Aerospace Center, GERMANY			
12:00	Lunch			
Oral Session 7: LiDAR Remote Sensing Room 3410 Chair: Qi Chen	Oral Session 8: Remote Sensing Data Products Room 3411 Chair: Jason Yang	Oral Session 9: Time Series Image Processing Room 3412 Chair: Bing Xu	Poster Session (III) Poster Hall Chair: Yueming Hu	
14:00	Automatic Recognition of Diseased Trees Based on Vertical Structures of Airborne LiDAR Point Clouds: A Case Study of Great Smoky Mountains, Wei Hu and Qingwu Hu, Wuhan University, CHINA	Development and Validation of the Landsat surface reflectance products using a MODIS-based per-pixel atmospheric correction, Liangyun Liu, Yong Hu and Yingjie Wang, Institute of Remote Sensing and Digital Earth, CAS, CHINA	Landsat Time Series Clustering under Modified Dynamic Time Warping, Yao Zhao, Lei Lin, Wei Lu and Yu Meng, China Agricultural University, CHINA	
14:20	Understanding The Performance Of Terrestrial Discrete-Lidar For Estimating The Pair Of Forest Canopies Using Monte-Carlo Simulation Method, Zou Jie, Lin Weimu, Mai Chunna and Zhuang Yinguo, Fuzhou University, CHINA	Improving the estimation of leaf area index by using anti-BRDF signatures vegetation index, Su Zhang and Liangyun Liu, Institute of Remote Sensing and Digital Earth, CAS, CHINA	Reconstructing NDVI Time-series data Using a Linear-Interpolation with Extended Kalman Filter, Jiang Xuebing, Hu Yueming and Liu Zhenhua, South China Agricultural University, CHINA	
14:40	A voxel-based approach for classifying tree species in a subtropical forest using small-footprint full-waveform LiDAR, Lin Cao, Ziqian Xu, Xin Shen and Honghua Ruan, Co-Innovation Center for Sustainable Forestry in Southern China, CHINA	Influence of different BRDF characteristics of direct and diffuse radiation on the solar-induced chlorophyll fluorescence retrieval, Xinjie Liu and Liangyun Liu, Institute of Remote Sensing and Digital Earth, CAS, CHINA	A simplified training data collection method for sequential remote sensing image classification, Yikai Wu, Hwa Chong Institution, SINGAPORE	
15:00	A Novel Data Compression Approach for LiDAR Point Information: Lossless and Effective, Xianxiong Liu and Qingwu Hu, Wuhan University, CHINA	GEO-data visualization on online and offline mode of mobile Web using HTML5, Hansaem Park, Kwangseob Kim and Kiwon Lee, Hansung University, THE REPUBLIC OF KOREA	Improvement of ESTARFM and Its Application to Fusion of Landsat-8 and MODIS Land Surface Temperature Images, Qinsheng Li, Feng Ding, Wenfeng Wu and Jieyu Chen, Fujian Normal University, CHINA	
15:20	Statewide Mapping And Estimation Of Vegetation Aboveground Biomass Using Airborne Lidar, Qi Chen, Ronald Mcroberts, Changwei Wang and Phil Radtke, University of Hawaii at Manoa, USA	Validation of SMAP radiometer derived soil moisture product over United States and Europe using in-situ measurements, Jianguan Zeng, Kun-Shan Chen, Haiyun Bi and Quan Chen, Institute of Remote Sensing and Digital Earth, CAS, CHINA	An Automatic cloud detection algorithm for Landsat Remote Sensing Image, Juan Deng, Zhenfeng Shao and Jun Ma, Wuhan University, CHINA	
Poster Session (III): Natural and Urban Ecosystems Vaya Hall (III) Chair: Yueming Hu				
P26	The Estimation and Analysis of Long-Term NPP in Yunnan Province based on Multi-source Remote Sensing Data, Xiaobin Guan, Huanfeng Shen, Wenxia Gan and Liangpei Zhang, Wuhan university, CHINA			
P27	Study on the optimizing planning method for farmland connectivity reclamation, Yilun Liu, Liancheng Chen, Liu Yang, Luo Liu and Yueming Hu, South China Agricultural University, CHINA			
P28	Winter wheat Leaf area index inversion combining with HJ-1 CCD and GF-1 WFV data, Dan Li, Liusheng Han, Chongyang Wang, Wei Liu, Hao Jiang, Siyu Huang and Shuisen Chen, Guangzhou Institute of Geography, CHINA			
P29	Establishment of remote sensing monitoring method and standard on winter planting crops: A case study in Guangdong province of south China, Shuisen Chen, Siyu Huang, Dan Li and Wei Liu, Guangzhou Institute of			
P30	Spatiotemporal characteristic and impact of super cold wave over the whole of China on agriculture in January of 2016: a case study in Guangdong Province, South China, Wei Liu, Dan Li, Chongyang Wang, Siyu Huang and			

P31	Using time series dual-polarized PALSAR data for mapping forest in Amazon Rainforest, Xiaoyu Zhou, Fulong Chen and Aihui Jiang, Institute of Remote Sensing and Digital Earth,				
P32	Simulation the main algorithm of MODIS C-5 LAI product Using Artificial Neural Network base on BRDF, Zefei Liu, Liangyun Liu and Su Zhang, Xi'an University of Science and Technology, CHINA				
P33	Based on fractal and gray level co-occurrence matrix texture feature of typical remote sensing classification of wild medicinal plants in xinjiang, Xinyun Liu, Zhenghai Wang and Jianghua Zheng, Sun yat-sen University, CHINA				
P34	Estimation of pepper LAI by canopy reflectance spectra, Dan Li, Hao Jiang, Chongyang Wang, Wei Liu, Siyu Huang and Shuisen Chen, Guangzhou Institute of Geography, CHINA				
P35	Landscape Pattern Analysis of Urban Green Space in Zhuhai City, Caige Sun, Xiaojun Li, Xulong Liu, Wangshuai Liu and Longjun Peng, Guangzhou Institute of Geography, CHINA				
P36	Analysis on the Temporal and Spatial Change of Land Use and Its Driving Factors of Resource-based City, Ping Guo, Wei Zhou, Tao Yuan and Jin Han, China Geosience University (Beijing), CHINA				
P37	Making Series of Achievements for Building Entity Measured by Terrestrial Laser Scanning, Yuanrong He, Yuanmao Zheng and Peng Leng, Xiamen University of Technology, CHINA				
P38	Research of City Building Information Extraction Based on a Object-oriented Method, Shudi Fan, Zhenhua Liu, Yueming Hu and Guangxing Wang, South China Agricultural University, CHINA				
P39	A Modified Method of Linear Spectral Mixture Analysis combining with Measured Spectrum and the Principal Component Analysis for Extracting Urban Impervious Surface, Yi Zhao, Kaiwen Zhong and Jianhui Xu, Guangzhou Institute of Geography, CHINA				
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P41	Evaluation of CBERS-04 data's application on geological hazard investigation and monitoring, Kun Shang and Fuping Gan, China Aero Geophysical Survey and Remote Sensing Center for Land and Resources, CHINA				

P42	Correlation between Temperatures from Landsat TM Thermal Band Retrievals and Automatic Weather Stations in Shenzhen, South China, Yongzhu Xiong and Feng Chen, Jiaying University, Guangdong, CHINA, CHINA
P43	Detecting Gas Flares Using NPP/VIIRS Nighttime Light Remote Sensing Imagery, Jiang Wei, He Guojin, Yin Ranyu and Ma Xiaoxiao, Institute of Remote sensing and Digital Earth, CAS, CHINA
P44	Surface temperature inversion and PM2.5 correlation research based on the Landsat-8—Taking Guangzhou as an example, Zihao Zheng, Yibiao Chen, Zhifeng Wu and Qinglan Qian, Guangzhou University, CHINA
P45	A Sea-land Segmentation Algorithm Based on Gray Smoothness Ratio, Huihui Xiao, Qizhi Xu and Lei Hu, Beihang University, CHINA
P46	Hazard degree assessment of coastal erosion at Tianlongsi adjacent sandy coast, Shiyong Wen, Fengshou Zhang, Xiang Wang, Zizu Wang, Fei Li, Fei Wang, Xinxin Wang and Xuegong Xu, National Marine Environmental Monitoring Centre, CHINA
P47	Satellite observation of a warm event at Sanya Bay in the summer of 2010, Caiyun Zhang, Xiaoyue Hu and Yan Li, Xiamen University, CHINA
P48	Spatiotemporal characteristics of land subsidence in Beijing from small baseline subset interferometric synthetic aperture radar and standard deviational ellipse, Chaofan Zhou, Huihui Gong, Bei-Bei Chen and Mingling Gao, Capital Normal University, CHINA
P49	Ground subsidence monitoring along the levee of Shanghai Huangpu river by using TerraSAR-X images, Jicang Wu, Fengming Hu and Tianliang Yang, Tongji University, CHINA
P50	The surface water information extracted by progressive enhancement model using remote sensing image, Peihua Feng and Yueming Hu, South China Agricultural University, CHINA
P50	Analysis of Temporal and Spatial Characteristics about Surface Actual Evapotranspiration in Haihe River Basin Based on MOD16 Data, Xinling Wu, Dan Meng, Siyao Yang and Xiaojuan Li, Capital Normal University, CHINA
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18:00	Dinner
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