

June 20 (Wednesday)			
Registration (8:00 -11:00 AM)			
	Interactive Session 1: Environmental Applications XUST Library Floor 2 Conference Room Chair: Clément Mallet	Interactive Session 2: Urban Areas, Urbanization, and Sustainability XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: Dengsheng Lu	Interactive Session 3: Image Analysis XUST Main Building Floor 8 Room 804 Chair: Dengkui Mo
8:00	Interannual variations and trends in remotely sensed PM2.5 along the Maritime Silk Road from 2000 to 2014 , Suyun Feng and Linlin Lu, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA	An object-based hierarchical classification framework for urban land cover mapping with GF-1 high-resolution imagery , Xiaolang Huang, Linlin Lu, Liting Zhang and Qingting Li, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA	A hybrid MRF-covariance-MPS contextual classifier for remote sensing , Yunwei Tang, Linhai Jing and Jiong You, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA
8:10	Dominant variable of global air pollution-climate interaction: a geographic insight , Huihui Feng and Bin Zou, Central South University, CHINA	Evaluating Urban Land Cover Dynamics Using Annual Landsat Imagery: A Case Study of Wuhan, China , Hang Su, Shishi Liu and Qingfeng Guan, Huazhong Agricultural University, CHINA	A New Algorithm of Edge Feature Detection from Remote Sensing Images Based on Multi-scale Morphology , Fu-Quan Tang and Geng-Xin Li, Xi'an University of Science and Technology, CHINA
8:20	Research on Disaggregation of Land Surface Temperature using SMACC method , Shudi Fan, Zhenhua Liu, Guangxing Wang and Yueming Hu, South China Agricultural University, CHINA	Analysis of the spatial expansion characteristics of built-up area along the grand canal using DMSP-OLS nighttime lights data , Lingtong Liu, Dan Meng, Jing Xing and Xinling Wu, Capital Normal University, CHINA	Hyperion data dimension reduction and classification Based on improved ISOMAP , Xiaofeng He and Hui Lin, Central South University of Forestry and Technology, CHINA
8:30	Evaluation in detectability of anthropogenic CO2 emissions with SCIAMACHY, GOSAT and OCO-2 observations in China , Mengya Sheng, Liping Lei, Changjiang Wu, Nian Bie, Shaoyuan Yang, Zhonghua He, Hui Zhong, Shaoqing Zhang and Zhaocheng Zeng, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA	Research on smart city construction based on the application of Remote sensing and geographic information big data , Quan Ma, The First Institute of Photogrammetry and Remote Sensing, NASG, CHINA	Optimal selection of remote sensing feature variables for land cover classification , Wen Zeng, Hui Lin, Enping Yan, Simin Wu, Qian Jiang and Hongwang Lu, Central South University of Forestry and Technology, CHINA
8:40	Extraction of karst rocky desertification with Hyperspectral remote sensing imagery , Dan Liu, Ying Liu and Yiguang Wu, East China University of Technology, CHINA	Investigating the Impacts from Urban Development on Thermal Environment Dynamics in Hangzhou from 2000 to 2015 , Weiwei Sun, Fei Li, Gang Yang and Jialin Li, Ningbo university, CHINA	Study on Land-use Information Extraction from High-resolution UAV Data , Huijie Yuan, Yulin Cai and Bing Zhao, Shandong University of Science and Technology, CHINA
8:50	The impact of the building load on subsidence in Beijing , Zhen Wang, Zhenghui Yi, Guangyao Duan, Xuan Chen and Chen Zhao, Tianjin Chengjian University, CHINA	An Decision Voting Method for Estimation Impervious Surface Area with MODIS Time-serise and Vegetation-temperature Adjusted DMSP-OLS Nighttime Light Data in Northwest Cities of China , Yuancheng Huang, Shanshan Han and Han Meng, Xi'an University of Science and Technology, CHINA	A Novel Method of Panchromatic Image Weighted Multispectral Image Reconstruction , Dengkui Mo, Chair of Forest Inventory and Remote Sensing, GERMANY
9:00	Impacts of radiometric calibration on land surface temperature retrieval over urban areas , Feng Chen, Xiamen University, CHINA	Remote sensing recognition of residential area based on GF-4 satellite images , Wei Wu and Wei Liu, National Disaster Reduction Center of China, CHINA	Application Of Object-Oriented Classification With Hierarchical Multi-Scale Segmentation For Information Extraction In Nonoc Nickel Mine, Philippines , Li Chen, Wei Li, Xian Zhang, Ling Chen and Chao Chen, China Areo Geophysical Survey and Remote Sensing Center for Land and Resources, CHINA

9:10	Assessment of drought in North Korea in 2017 using TRMM data , Guorong Deng, Hongyan Zhang and Xiaoyi Guo, Northeast Normal University, CHINA	Impacts of urban landscape patterns on urban thermal variations in Guangzhou, China , Youjun Chen, Sun Yat-sen University, CHINA	Deep Learning Approach for Rock Outcrops Identification , Coco Y.T. Kwok, Man Sing Wong, Hung Chak Ho, Florence W.Y. Ko and Frankie L.C. Lo, The Hong Kong Polytechnic University, HONG KONG
9:20	Index System Construction for Damage Assessment of Bridge over Water Based on High-spatial Resolution Remote Sensing Images , Chao Chen, Jiaoqi Fu and Xu Lu, Zhejiang Ocean University, CHINA	A New Approach for Detecting Urban Centers and Their Spatial Structure With Nighttime Light Remote Sensing , Zuoqi Chen and Bailang Yu, East China Normal University, CHINA	A new kind of Combination Classifier and its application in Classification of Remote Sensing Image , Chaokui Li, Mengguang Liao, Qinglan Zhou, Jun Fang and Nan Chu, Hunan University of Science and Technology, CHINA
9:30	Coffee Break		
	Interactive Session 4: Remote Sensing of Water Bodies XUST Library Floor 2 Conference Room Chair: Jindong Wu	Interactive Session 5: Remote Sensing of Vegetation XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: Ruiliang Pu	Interactive Session 6: Advances in Earth Observation Techniques XUST Main Building Floor 8 Room 804 Chair: Genyun Sun
10:00	Mapping Salton Sea Surface Water Extent and Its Long-Term Changes with Landsat TM Imagery , Jindong Wu, California State University, Fullerton, USA	Assessing the Potential of Multi-Seasonal High Resolution Pléiades Satellite Pleiades Imagery for Mapping Urban Tree Species , Ruiliang Pu, Shawn Landry and Qiuyan Yu, University of South Florida, USA	Synergistic Use of Optical and Dual-polarimetric SAR Data with Multiple Kernel Learning for Sub-pixel Urban Impervious Surface Mapping , Yanan Kong, Genyun Sun, Aizhu Zhang and Hui Huang, China University of Petroleum, CHINA
10:10	A Novel Sea Ice Classification Method from Hyperspectral Image Based on Bagging PCA hashing , Yandong Li, Feng Gao, Junyu Dong and Shengke Wang, Ocean University of China, CHINA	Bias calibration of cropland pattern change categorization , Jiong You, Zhiyuan Pei, Haiqi Liu and Yunwei Tang, Chinese Academy of Agricultural Engineering, CHINA	Research on some key Technologies of 3D Model Construction of Oversize Cities based on Oblique Photograph--Take Beijing as an Example , Yang Li, Si Chen and Xuebing Feng, Beijing Institute of Surveying and Mapping, CHINA
10:20	Sea Ice Change Detection from Synthetic Aperture Radar Images Based on Self-Paced Boosting Learning , Qun Wang, Feng Gao, Junyu Dong and Shengke Wang, Ocean University of China, CHINA	Aboveground Biomass Estimation Of Mangroves Forest Using Worldview-2 Data , Sumaira Zafar and Badar Ghauri, Institute of Space Technology, PAKISTAN	Effects of Span Length and Radar Polarimetry on the Backscattering Characteristics of Ultra-High Voltage Power Transmission Line in TerraSAR-X Images , Yan Liu, Ke Xu, Shuzhu Shi and Tao Li, Wuhan University, CHINA
10:30	Land Use and Land Cover Classification System for Global Coastal Zone Based on Remote Sensing , Wan Hou and Xiyong Hou, Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences, CHINA	Tree Species Classification Based On Airborne Lidar And Hyperspectral Data , Xukun Lu, Shihua Li and Silan Ning, University of Electronic Science and Technology of China, CHINA	Subsidence monitoring and factors analysis of Beijing-Tianjin High-speed Railway with InSAR technique , Xuan Chen, Wei Gao, Guangyao Duan, Zhenghui Yi, Zhen Wang and Chen Zhao, Tianjin Chengjian University, CHINA
10:40	Fast and Accurate Sea-Land Segmentation for Large-Size Optical Satellite Images based on Improved SeNet and Coastline Database , Longyuan He, Qizhi Xu, Haimiao Hu and Jing Zhang, Beihang University, CHINA	Fractional Vegetation Coverage Estimation and Spatial Feature Analysis Based on Spatiotemporal Fusion Data , Rongming Hu, Shu Wang, Feng Liu and Jiao Guo, Xi'an University of Science and Technology, CHINA	Repeat-pass SAR Interferometry Experiments with Gaofen-3: A Case Study of Ningbo and Nanjing Area , Tao Zhang, Xiaolei Lv, Bing Han, Bin Lei, Ling Wan and Jun Hong, Institute of Electronics, Chinese Academy of Sciences, CHINA

10:50	Mapping Coral Reefs at Xisha Islands Using Landsat8 , Linlin Suo, Yulin Cai and Xuan Sun, Shandong University of Science and Technology, CHINA	Remote sensing monitoring of surface vegetation and soil moisture changes and the disturbance effect of coal mining subsidence in the Western mining area of China , Tang Fuquan and Gu Jin, Xi'an University of Science and Technology, CHINA	Gf-3 Sar Images Modeling Based On Heavy-Tailed Rayleigh Distribution , Yunjing Song and Zengguo Sun, Shaanxi Normal University, CHINA
11:00	A Method for water body extraction based on the tasselled cap transformation from remote sensing images , Yue Zhuang and Chao Chen, Zhejiang Ocean University, CHINA	UAS-based high resolution thermal imaging of soybean response to water stress , Vasit Sagan, Maitiniyazi Maimaitijiang, Kevin Eblimit, Matthew Maimaitiyiming, Sidike Paheding, Kyle Peterson and Sean Hartling, Saint Louis University, USA	Landslide spatial susceptibility mapping by using deep belief network , Tao Chen, Ziyang Zhong and Ruiqing Niu, China University of Geosciences, CHINA
11:10	Characteristics of coastline changes in mainland Southeast Asia since the 21th century , Yang Song and Xiyong Hou, Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences, CHINA	Extraction of Winter Wheat Planting Area in Binzhou-Dongying City Based on the WBSI Images of the Key Growth Phase , Qingsheng Liu, Institute of Geographic Science and Natural Resources Research, Chinese Academy of Sciences, CHINA	Study On The Characteristics Of Land Subsidence At The Faults Junction Area In Changping (Beijing) Using Insar Technology , Leyin Hu, Chengqi Xing, Keren Dai, Zhenhong Li, Rui Yan, Zhiyong Fan, Bin Xu, Yajun Lu and Xin Guan, Beijing Earthquake Agency, CHINA
11:20	Estimation of Chlorophyll-a Content in Inland Turbidity Waters Using WorldView-2 Imagery: A Case Study of the Guanting Reservoir, Beijing, China , Xing Wang and Zhaoning Gong, Capital Normal University, CHINA	Large-area yield estimation method for rice using MODIS data products , Yixin Jiang, Yang Dong and Binbin He, University of Electronic Science and Technology of China, CHINA	Satellite radar altimetric waveform model and retracking over coastal sea based on singular spectrum analysis , Jinyun Guo, Wenqiang Di, Jiajia Yuan, Yupeng Niu and Zhen Li, Shandong University of Science and Technology, CHINA
11:30	Closing Session XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: Peijun Li		