

June 18 (Monday)				
Registration (8:00 - 18:00)				
8:00	Opening Session XUST Main Building Conference Hall Chair: Xiaoli Ding			
	Chair: Prof. Shugang Li, Xi'an University of Science and Technology, China IEEE GRSS EVP: Prof. Paolo Gamba, University of Pavia, ITALY Program Committee Chair: Prof. Qihao Weng, Indiana State University, USA			
	Plenary Session 1 XUST Main Building Conference Hall Chair: Xiaoli Ding			
8:30	Prof. Yuanxi Yang, Xian Research Institute of Surveying and Mapping, China, Development of China's Space Benchmark			
9:00	Prof. Jianya Gong, Wuhan University, China, High Accurate Processing for High Resolution Remote Sensing of Chinese Satellites			
9:30	Coffee Break			
	Special Session 1: Hyperspectral Remote Sensing XUST Library Floor 2 Conference Room Chair: Jun Li		Special Session 2: Remote Sensing of Forestry XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: Qi Chen	
10:00	Session Keynote: Advance and Prospect of Hyperspectral Image Intelligent Processing , Mingyi He, Northwestern Polytechnical University, CHINA Feature Extraction of Hyperspectral Images With Semi-supervised Sparse Graph Learning , Renbo Luo, Zhifeng Wu and Xingnan Liu, Guangzhou University, CHINA Multiscale superpixel-based fusion framework for hyperspectral image classification , Sen Jia, Xianglong Deng and Kulin Wu, Shenzhen University, CHINA A SAR Change Detection Algorithm with Classification embedded Subspace , Xiaoxiao Huang, Jie Wu and Ma Miao, Shaanxi Normal University, CHINA Change Detection Combining Spatial-Spectral Features And Sparse Representation Classifier , Qiong Ran, Shizhi Zhao and Wei Li, Beijing University of Chemical Technology, CHINA Hyperspectral image classification based on online transfer learning , Sen Jia, Junjian Xian and Meng Zhang, Shenzhen University, CHINA Hyperspectral Image Classification Based on Long Short-Term Memory Network , Jin Liu, Xiangrong Zhang, Jingyan Zhang, Xiaoxiao Ma and Jinliang An, Xidian University, CHINA Multi-Losses Function based Convolution Neural Network for Single Hyperspectral Image Super-Resolution , Ke Zheng, Lianru Gao, Bing Zhang and Ximin Cui, Institute of Remote Sensing and Digital Earth Chinese Academy of Sciences, CHINA Hyperspectral Supervised Classification Using Mean Filtering Based Kernel Extreme Learning Machine , Wenting Shang, Zebin Wu, Jie Wei, Yang Xu and Zhihui Wei, Nanjing University of Science and Technology, CHINA		Session Keynote: Current Situation and Challenge of Forest Biomass Estimation with Remote Sensing Technologies , Dengsheng Lu, Zhejiang Agriculture and Forestry University, CHINA Detection of wetland land cover change in Hangzhou Bay with multi-temporal Landsat imagery , Nan Li, Dengsheng Lu, Ming Wu and Yinlong Zhang, Zhejiang Agriculture and Forestry University, CHINA Lidar-based Modeling of Stem Volume for Mountainous Subtropical Forests over Large Areas in China , Yanjun Wang, Qi Chen, Yin Ren, Yarneng Li, Shudi Zuo, Dengsheng Lu, Xia Yao, Lin Cao, Zheng Li, Qian Zhang, Shunhan Wang, Honghua Chen and Chaokui Li, University of Hawaii at Manoa, USA Mapping spatial distribution, dynamic change and future expansion of Torreya plantations using multitemporal Landsat imagery , Zhenlong Cheng and Dengsheng Lu, Zhejiang Agriculture and Forestry University, CHINA Mapping tree species in north China using high-spatial resolution satellite imagery , Zhuli Xie and Dengsheng Lu, Zhejiang Agriculture and Forestry University, CHINA Integrating Landsat Time series to providing annual urban carbon budget dynamics estimates in Guangzhou during 1990-2014 , Yingchun Fu, Zhe Zhu and Chao Ma, South China Normal University, CHINA High spatial resolution mapping of native and invasive tree species over remote mountainous areas in Hawaii using satellite imagery, UAV, and lidar data , Qi Chen, Yanjun Wang and Qian Zhang, University of Hawaii at Manoa, USA Development of new vegetation indices based on Sentinel-2 imagery for mapping bamboo forest distribution , Longwei Li, Dengsheng Lu and Yuyun Chen, Zhejiang Agriculture and Forestry University, CHINA Modeling Soil Erosion Risks in a Hilly Forest Region with Remote Sensing and GIS , Nibedita Sinha, Dengsheng Lu, Zhenlong Cheng and Wei Lu, Zhejiang Agriculture and Forestry University, CHINA	
12:00	Lunch			
	Oral Session 1: Machine Learning and Artificial Intelligence XUST Library Floor 2 Conference Room Chair: Junwei Han	Oral Session 2: Urban Remote Sensing XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: Paolo Gamba	Oral Session 3: SAR/InSAR Applications (I) XUST Main Building Floor 8 Room 804 Chair: Guangxin Wang	Poster Session (I) Entrance Area of XUST Main Building Chair: Wanqiang Yao
14:00	Ship Detection from Optical Remote Sensing Image based on Size-Adapted CNN , Xin Hou, Qizhi Xu and Yan Ji, Beihang University, CHINA	Estimation of urban heat fluxes in Beijing using combined ASTER data and meteorological data , Nana Li, Fuqiang Tian, Hongchang Hu and Shiguang Miao, Institute of Urban Meteorology, China Meteorological Administration, CHINA	A land data assimilation study based on LIS with FY3C land surface temperature and microwave brightness temperature , Shi Chunxiang, Jia Binghao, Sun Shuai, Zhang Shuai, Jiang Zhiwei, Liang Xiao and Jiang Lipeng, National Meteorological Information Center, China Meteorological Administration, CHINA	
14:20	Research on Building Recognition of Remote Sensing Image Based on Convolutional Neural Network , Zhuqing Wang, Wenwen Gong, Yunfeng Jiao, Qiulan Wu and Weiyang Li, Shandong Agricultural University, CHINA	Comparison of surface urban heat island (SUHI) at Landsat scale in Hefei, China diurnal, seasons and drivers , Yuting Lu, Penghai Wu, Xianfei Zhu, Xiaoshuang Ma, Yun Jiang and Zhixiang Yin, Anhui University, CHINA	A Novel Method for generating time-series deformation with InSAR and its Application in Mexico City , Xiaying Wang, Chaoying Zhao and Feifei Qu, Chang'an university, CHINA	
14:40	Estimation of forest above ground biomass using LiDAR and hyperspectral data with machine learning algorithms , Jie Lv, Caiyun Zhang and Hao Yuan, Florida Atlantic University, USA	Detecting Urban Extents by the support vector machine method using time-series nighttime light images: a case study of the Yangtze River Delta Urban Agglomeration , Yanhong Zou and Ruhua Song, Central South University, CHINA	The Impact of Vertical Wavenumber on Stand Height Inversion by PolInSAR , Kai Du, Hui Lin, Guangxing Wang, Jiangping Long, Jia Li and Zhaohua Liu, Central South University of Forestry and Technology, CHINA	
15:00	Forest degradation with remote sensing: how spatial resolution plays a role , Yan Gao, Hind Taud, Diana Laura Jimenez Rodriguez and Jean Francois Mas, Universidad Nacional Autonoma de Mexico, MEXICO	Shadow Detection of GF-2 Imagery in Urban Areas Using Spectral-spatial Multiple Features , Hui Huang, Genyun Sun, Jun Rong, Aizhu Zhang and Ping Ma, China University of Petroleum (East China), CHINA	Advanced Multi-temporal InSAR Approach using Multi-level Spatial Network , Fengming Hu, Jicang Wu and Lina Zhang, Tongji University, CHINA	
15:20	A Novel Methodology for Mapping Invasive Species Albizia (Falcataria moluccana) Using High Spatial Resolution Satellite Imagery , Qian Zhang, Qi Chen and Jason Levy, University of Hawaii at Manoa, USA	Urban annual dynamic in Qingzhou, China from multi-date Landsat images in 2007-2016 , Hang Li and Qihao Weng, Indiana State University, USA		

	Poster Session (I): Land Use and Land Cover Entrance Area of XUST Main Building Chair: Wanqiang Yao
P1	Object-based urban land cover mapping using high-resolution airborne imagery and LiDAR data , Linlin Lu and Qingting Li, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA
P2	Mining Subsidence Monitoring Using the method of Combining InSAR and GPS Technology , Fuquan Tang and Zongliang Wang, Xi'an University of Science and Technology, CHINA
P3	Spatio-temporal changes of carbon storage by urban forest above-ground biomass: implications for CO2 emissions mitigation under China's rapid urban expansion and greening , Zhibin Ren, Haifeng Zheng and Xingyuan He, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, CHINA
P4	The Study of Spatial and Temporal Change of Vegetation Cover in Changsha-Zhuzhou-Xiangtan Core Region , Min Wen, Jianan Chen, Daisheng Tang and Yukun Ren, Central South University of Forestry and Technology, CHINA
P5	Study on the Method of Cultivated Land Quality Evaluation Based on Deep Learning , Xiaoyu Xie, Shumin Zheng, Yueming Hu and Yubin Guo, South China Agricultural University, CHINA
P6	Surface subsidence monitoring of coastal agglomerations in Southeast Fujian , Yun Gong, Xi'an University of Science and Technology, CHINA
P7	Analysis of wetland dynamic change and ecological health in Wuliangshuai based on multi-temporal remote sensing image , Xia Jing, Yufang Huang, Guangyan Lou and Yiwei Bao, Xi'an University of Science and Technology, CHINA
P8	Ecological Risk Assessment of Soil Salinization in Ebinur Lake Wetland National Nature Reserve of Xinjiang , Fei Zhang, Ayinuer Yushanjiang and Xiaoping Wang, Xinjiang University, CHINA
P9	Display and Storage Research for Android Forestry GIS Raster Data , Chengjie Li, Zhuo Zang, Hui Lin and Heng Li, Central South University of Forestry and Technology, CHINA
P10	Analysis on the Spatial and Temporal Coastlines Changes of Five Islands of Wenzhou in Recent 15 years , Fenfen Guo, Jingjing Xiao and Taojun Hu, Zhejiang Climate Center, CHINA
P11	Object-oriented Land Cover Classification Based on Feature Selection in Quad-polarimetric SAR Images , Xiang Lu, Wanqiu Zhang, Cairong Yue and Ziyi Chen, Southwest Forestry University, CHINA
P12	A hybrid Grey-Markov/ LUR model for PM10 concentration prediction under future urban scenarios , Shan Xu, Bin Zou, Sedra Shafi and Troy Sternberg, Central South University, CHINA
P13	Cultivated land quality monitoring points layout method in Shaanxi Province , Wei Xindong, Yuan Xuefeng, Zhang Zhuan and Yu Zhao, Chang'an University, CHINA
P14	Study on estimation of vegetation coverage based on high spatial resolution images of Google Earth , Feng Liu and Suhong Liu, Xi'an University of Science and Technology, CHINA
15:40	Coffee Break

	Oral Session 4: Vegetation Coverage and Phenology XUST Library Floor 2 Conference Room Chair: Peijun Li	Oral Session 5: Human Health and Vulnerability XUST School of Mechanical Engineering Floor 2 Room 10210 Chair: Hongsheng Zhang	Oral Session 6: SAR/InSAR Applications (II) XUST Main Building Floor 8 Room 804 Chair: Dongping Ming	Poster Session (II) Entrance Area of XUST Main Building Chair: Yingchun Fu
16:00	Vegetation Phenology Extraction and Analysis in Urban Area using Landsat Vegetation Fraction Time Series , Cai Cai, Peijun Li and Zhongkui Shi, Beijing Institute of Surveying and Mapping, CHINA	Evaluation of the matching degree of the public medical service level based on DMSP/OLS Night Light data , Zhiwei Yang, Yinbiao Chen, Zhifeng Wu, Qinglan Qian and Zihao Zheng, Guangzhou University, CHINA	Capturing the Deformation Characteristics of Cable-stayed Bridges with Multi-temporal SAR Interferometry , Xiaoqiong Qin, Xiaoli Ding and Mingsheng Liao, The Hong Kong Polytechnic University, CHINA	Details Below.
16:20	Remote Sensing Estimation of Dustfall Considering Vegetation Coverage , Baodong Ma, Yuteng Chen and Lixin Wu, Northeastern University, CHINA	The use of thermal infrared data and heat indicators for forecasting of environmental and health hazards , Seyed Kazem Alavipanah and Fateme Ameri, University of Tehran, IRAN	Canopy Height Estimation Of Rubber Plantation From Tandem-X Data And Topographic Map , Zhang Wanqiu, Cairong Yue and Guofei Zhang, Southwest Forestry University, CHINA	
16:40	Remote Sensing Monitoring and Time-Space Analysis of Forest Disturbance in Guangxi , Huang Ping, Lu Yuan, Wang Danyuan and Liu Bintao, Guangxi Teachers Education University, CHINA	Estimation of Annual CO2 Emission from Coal Fires in Majiliang Mine, Datong, Northern China, Using UAVs Thermal Infrared Remote Sensing Technology , Li Feng, Sun Guangtong, Qian An and Wang Qiuling, Institute of Disaster Prevention, CHINA	Soil Moisture Retrieval Of Periodic Fields By The Use Of Radarsat-2 Polarimetric SAR Imagery , Lingli Zhao, Jie Yang, Pingxiang Li and Xiaoli Ding, Wuhan University, CHINA	
17:00	A Phenology-Based Cropping Pattern (PBCP) Mapping Method Based on Remotely Sensed Time-Series Vegetation Index Data , Jianhong Liu, Northwest University, CHINA	Modeling of the human thermal comfort based on biophysical and environmental parameters using satellite imagery: Case study of Tehran city , Seyed Kazem Alavipanah, Naeim Mijani and Saeid Hamzeh, University of Tehran, IRAN	Multi-temporal InSAR for deformation screening in urban areas without external DEM , Lei Zhang, Xiaoli Ding, Zhong Lu and Hongyu Liang, The Hong Kong Polytechnic University, HONG KONG	
17:20	Improving Spatial Simulation of Urban Vegetation Carbon Density by Optimizing Local Sample Sizes , Chuanshi Chen, Hua Sun, Guangxing Wang, Chengjie Li and Fugen Jiang, Central South University of Forestry and Technology, CHINA	Understanding Spatial and Temporal Characteristics of Global Disaster Damage Using Nighttime Light Data , Zhang Hongsheng and Ding Zhang, The Chinese University of Hong Kong, HONG KONG	The forest vertical structure research based on the Polarization Coherence Tomography inversion , Ziyi Chen, Wanqiu Zhang, Cairong Yue and Xiang Lu, Southwest Forestry University, CHINA	
	Poster Session (II): Algorithms and Techniques Entrance Area of XUST Main Building Chair: Yingchun Fu			
P15	Emissivity image generation of Gaofen-5's thermal infrared bands using ASTER data , Yao Liu, China Aero Geophysical Survey and Remote Sensing Center for Land and Resources, CHINA			
P16	Application of Time-series Interferometric SAR technology based on SARStudio® software in deformation monitoring of substation and power tower , Jinbao Zhang, RapiSense Technology Co., Ltd, CHINA			
P17	Shoreline data based sea-land segmentation method for on-orbit ship detection from panchromatic Images , Lin Xupeng, Han Chuanzhao and Xu Qizhi, Beihang University, CHINA			
P18	Sensitivity analysis about FLAASH model parameters , Jie Wang, Jianwei Qi, Dandan Zhang and Zhengbo Fu, China Aero Geophysical Survey and Remote Sensing Center for Land and Resources, CHINA			
P19	Application Research of Spherical Coordinate Multi-quadric Equations in Discrete Data Interpolation , Xiaolong Wu, Xi'an University of Science and Technology, CHINA			
P20	Prospect theory with D-InSAR technology in subsidence monitoring of coal mine in loess plateau gully area , Jifeng Wu and Ji Lei, Xi'an University of Science and Technology, CHINA			
P21	Atmospheric correction algorithms comparison for Lake Water based on Landsat8 images , Jiang Youyi, Ding Fan, Ma Ronghua, Li Xiao and Xu Xuemin, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, CHINA			
P22	Deep CNN Model for Built-up Detection , Ranyu Yin, Guojin He and Guizhou Wang, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, CHINA			
P23	Research of Image Fusion Method about ZY-3 Panchromatic Image and Multispectral Image , Chunxia Qiu, Jingyi Wei and Qiankun Dong, Xi'an University of Science and Technology, CHINA			

P24	Comparative Analysis of the Fusion Methods Based on GF-3 Radar and GF-2 Multispectral Data , Zhengbo Fu, Jianwei Qi, Dandan Zhang, Jie Wang, Wei Zhang and Xu Han, China Aero Geophysical Survey and Remote Sensing Center for Land and Resources, CHINA
P25	A Simple Method for Reconstructing Daily MODIS Land Surface Temperature Data under Clear Sky , Gang Yang, Weiwei Sun, Fei Li and Lilei Jiao, Ningbo University, CHINA
P26	A Case Study of Dark-Objects Subtraction Based Atmospheric Correction Methods for GF-1 Satellite Images , Yan Lin and Li Jun, Sun Yat-Sen University, CHINA
P27	The Analysis of Positioning Performance of Spaceborne Two-line Array Camera , Niu Rui, Wang Yu and Liu Zhiming, Xi'an Institute of Surveying and Mapping, CHINA
P28	Interactive extraction of natural objects based on full connection condition random field , Chunsen Zhang and Zhen Yu, Xi'an University of Science and Technology, CHINA
P29	Using heigh-rate GNSS Data to Monitor Deformation Waves Caused by Earthquakes , Xiandong Chen, Xi'an University of Science and Technology, CHINA
17:40	
18:00	Welcome Dinner
19:00	
20:00	