Program of the ISPRS TCI Symposium

Date	Content			
May 12	Arrival and Check-in			
May 13	Tutorial			Contest on the Intelligent Interpretation for Multi-modal Remote Sensing Application *Location: Central South University*
	SAR Satellites and Applications *Room:Changsha Hall*	Point Cloud Processing with AI: Theory, Methods and Applications *Room:Hefei Hall*	Navigation and Direct Positioning Fusion Platform *Room:Chongqing Hall*	
May 14	The Opening Ceremony and Keynote Speech *Ballroom,1st Floor*			
	9:00-10:00	Welcome Speech Awards for Contest on the Intelligent Interpretation for Multi-modal Remote Sensing Application Congress 2026 Introduction ISPRS TIF Announcement Exhibition Opening Group Photo		
	10:00-10:30	Coffee Break Exhibition(Exhibition Area)		
	10:30-11:05	Keynote Speech by Prof. Chen Jun （China） *Title:China's national 3D Mapping Program - 3dRGLm and its applications*		
	11:05-11:40	Keynote Speech by Prof. Christian Heipke(Germany) *Title:Deep learning remote sensing*		

Date	Content
11:40-12:15	Keynot Speech by Prof. Li Deren（China） *Title:From the Luojia Series Satellites to the Oriental Smart Eye Constellation*
12:15-14:00	Lunch break
14:00-14:35	Keynote Speech by Prof. Charles Toth（USA） *Title:Trends in Geospatial Data Georeferencing*
14:35-15:10	Keynote Speech by Prof. Gong Jianya（China） *Title:Advanced and Challenges in Intelligent Interpretation of Remote Sensing*
15:10-15:45	Keynote Speech by Prof. Naser El-Sheimy（Canada） *Title:Integrated Navigation Systems from Mobile Mapping to Autonomous Systems: State of the Art and Future Trends*
15:45-16:15	Coffee Break
16:15-16:50	Keynote Speech by Prof. Guo Renzhong（China） *Title:Remote Sensing Technology to Empower Smart Cities*
16:50-17:25	Keynote Speech by Prof. Wolfgang Kainz（Austria） *Title:Sensor Systems, Spatial Data Science and all that Jazz*
17:25-18:00	Keynote Speech by Prof. Jonathan Li（Canada） *Title:Mobile LiDAR for 3D Mapping of Difficult Environments: Challenges and Solutions*

Date		Content			
	19:00	Welcome Dinner *Ballroom,1st Floor*			
May 15	Technical sessions				
	9:00-12:00	Remote Sensing Satellite Program and Constellation *Room: Changsha Hall*	Mobile Mapping Technology *Room: Hefei Hall*	AI Technology Related to Sensor System *Room: Chongqing Hall*	Robotics for Mapping and Machine Intelligence *Room: Beijing Hall*
	10:15-10:45	*Coffee Break* *POSTER(Room:Fuzhou Hall)*			
	14:00-18:00	Orientation, Calibration and Validation of Sensors *Room: Changsha Hall*	Digital Construction: Reality Capture, Automated Inspection, and Integration to BIM *Room: Hefei Hall*	Multi-sensor Remote Sensing Applications *Room: Chongqing Hall*	Multi-sensor Modelling and Cross-modality Fusion *Room: Beijing Hall*
	15:30-16:00	*Coffee Break* *POSTER(Room:Fuzhou Hall)*			
	16:00-18:00	ISPRS TC I Business meeting *Room:Kunming Hall*			
May 16	Technical sessions				
	9:00-12:00	Multi-spectral, Hyperspectral and Thermal Infrared Sensors	Lidar, Laser Altimeter and Sensor Integration *Room: Hefei Hall*	Autonomous Sensing Systems and Data Quality *Room: Chongqing Hall*	Microwave and InSAR Technology for Earth Observation *Room: Beijing Hall*

Date	Content			
	Room: Changsha Hall			
10:15-10:45	*Coffee Break* *POSTER(Room:Fuzhou Hall)*			
14:00-18:00	Multi-spectral, Hyperspectral and Thermal Infrared Sensors *Room: Changsha Hall*	Generation and Processing of Point Cloud *Room: Hefei Hall*	Provincial and Commercial Satellite Remote Sensing Application *Room: Chongqing Hall*	Microwave and InSAR Technology for Earth Observation *Room: Beijing Hall*
17:30-18:30	The Closing Ceremony Excellent Paper Award *Room: Changsha Hall*			
May 17	Technical Visits			
	Central South University		Hunan Province Satellite Application and Technology Center of Natural Resources	
May 18	Departure			

May 15, 9:00-12:15

Room: Changsha Hall

Title: Remote Sensing Satellite Program and Constellation
Chaired by Prof. *Li Rongxing,* Prof. *Zhang Bing*

Assistant：Prof. Wang Yanjun

9:00-9:25 Invited Talk, Title:
By Prof. Chen Junli
9:25-9:50 Invited Talk, Title:
By Prof. Liao Tongkui
9:50-10:15 Invited Talk, Title:
By Prof. Zhongguo Siwei

10:15-10:45 Coffee Break

10:45-11:00 #182, Title: Polar-Vision[1]: A Novel Collinearity Equation of Perspective Projection in Polar Coordinate System
By Zhengkang Zuo, Bin Zhang
Organization: Working Group of Polar-vision, Taiyuan University of Technology, Taiyuan, China; School of Earth and Space Science, Peking University, Beijing, China; DASPATIAL Co., Ltd, Wuhan, China

11:00-11:15 #215, Title: Triplet Epipolar Images for Three Linear Cameras
By Hongbo Pan, Shuang Yang
Organization: School of Geosciences and Info-Physics, Central South University, 932 Lunan Road, Changsha, China

11:15-11:30 #244, Title: Development of Multi-Strip Image Mosaicking for KOMPSAT-3A Images
By Jong-Hwan Son, Sumin Park, Hyeon-Ju Ban, Taejung Kim
Organization: Image Engineering Research Center, 3DLabs Co., Ltd., Incheon, Republic of Korea

11:30-11:45 #337, Title: A novel LiDAR-GNSS-INS Two-Phase Tightly Coupled integration scheme for precise navigation
By Mengchi Ai, Ilyar Asl Sabbaghian Hokmabad, Mohamed Elhabiby, Naser El-Sheimy
Organization: Dept. of Geomatics Engineering, University of Calgary, Calgary, Canada

11:45-12:00 #271, Title: On-Orbit Geometric Calibration of the HJ-2 A/B

Satellites' Infrared Sensors
By Hao Zhang, Wei Qin, Kaixin Wang, Qianying Wang, Pengjie Tao
Organization: School of Remote Sensing and Information Engineering, Wuhan University, Wuhan, China

12:00-12:15 #176, Title: South-to-South Cooperation in Multi-Source Satellite Data for Improving Food Security
By Timo Balz, Ruonan Gao, Walter Musakwa, James Magidi, Zhenfeng Shao
Organization: LIESMARS, Wuhan University, China

May 15 , 9:00-12:00

Room: Hefei Hall

Title: Mobile Mapping Technology
Chaired by Prof. Massio Andrea, Prof. Wen Chenglu

Assistant：Prof. Mao Wenfei

9:00-9:30 Invited Talk, Title: Photogrammetry and remote sensing technologies applied in China's recent lunar and Mars exploration missions
By Prof. Di Kaichang
Aerospace Information Research Institute, Chinese Academy of Sciences

9:30-9:45 #316, Title: Semi-automated Approach Towards Efficient HD Maps Generation and Verification with Lanelet2 Formats
By Yi-Feng Chang, Yen-En Huang, Meng-Lun Tsai, Hatem Darweesh, Kai-Wei Chiang, Mengchi Ai, Naser El-Sheimy
Organization: Department of Geomatics, National Cheng Kung University, Tainan, Taiwan (R.O.C.)

9:45-10:00 #113, Title: Accurate Segmentation Method for Roadside Lampposts Based on Vehicle-mounted LIDAR Point Clouds
By Dengfeng Li, Yaoyu Li, Yuhang Fan, Shengjun Tang
Organization: China communications information technology group co., ltd., Beijing, China

10:00-10:15 #125, Title: Simultaneous Calibration of Multiple Cameras and Generation of Omnidirectional Images
By José M. Pacheco, Antonio M. G. Tommaselli
Organization: Department of Cartography, School of Sciences and Technology, São Paulo State University (UNESP), Presidente Prudente, São Paulo, Brazil

10:15-10:45 Coffee Break

10:45-11:00 #203, Title: Towards Sustainable Urban Energy: A Robust Deep Learning Framework for Solar Potential Estimation
By Weiyan Lin, Jiasong Zhu, Yuansheng Hua, Qingyu Li, Lichao Mou, Xiao Xiang Zhu
Organization: School of Architecture and Urban Planning, Shenzhen University, Shenzhen, China

11:00-11:15 #251, Title: PCINet: a Prototype- and Concept-based Interpretable Network for Mutli-scene Recognition

By Yuansheng Hua, Jiasong Zhu, Qingquan Li
Organization: School of Civil and Traffic Engineering, Shenzhen University, Shenzhen, China

11:15-11:30 #296, Title: A Scene Unmixing Deep Learning Network for Local Climate Zone Mapping and Analysis Using Very High Resolution Remote Sensing Imagery
By Xinji Tian, Jiayi Li, Xin Huang
Organization: School of Remote Sensing and Information Engineering, Wuhan University, Wuhan, China

11:30-11:45 #357, Title: Robotics for Heritage Surveying: Preliminary Test on Leica BLK ARC & Spot toward Autonomous 3D Mapping
By Giulia Sammartano, Alessandra Spreafico, Beatrice Tanduo, Filiberto Chiabrando
Organization: Laboratory of Geomatics for Cultural Heritage (LabG4CH), Department of Architecture and Design (DAD), Polytechnic University of Turin, Viale Pier Andrea Mattioli, 39, Torino (TO), Italy

11:45-12:00 #174, Title: Mega-NeRF++: An Improved Scalable NeRFs for High-resolution Photogrammetric Images
By Yiwei Xu, Tengfei Wang, Zongqian Zhan, Xin Wang
Organization：School of Geodesy and Geomatics, Wuhan University, Wuhan, China

May 15 , 9:00-12:00

Room: Chongqing Hall

Title: AI Technology Related to Sensor System
Chaired by Prof. *Gu Xingfa, Prof. Sun Xian*

Assistant：Prof. Wang Wei

9:00-9:30 Invited Talk, Title:
By Prof. Xia Guisong

9:30-9:45 #205, Title: A Transformer and Visual Foundation Model-Based Method for Cross-View Remote Sensing Image Retrieval
By Changjiang Yin, Qin Ye, Junqi Luo
Organization: College of Surveying and Geo-Informatics, Tongji University, Shanghai, China

9:45-10:00 #263, Title: A Multi-scale Features-based Cloud Detection Method for Suomi-NPP VIIRS Day and Night Imagery
By Jun Li, Chengjie Hu, Qinghong Sheng, Jiawei Xu, Chongrui Zhu，Weili Zhang
Organization: The College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing, China

10:00-10:15 #298, Title: Real-time and Intelligent Moving Targets Tracking based on UAV Remote Sensing Video Camera and Brain-like Computing Chips
By Kun Hu, Yuxuan Wu, Mingyang Huang, Chen Wang, Haoheng Wu，Tianyu Cai，Qingle Zhang，Shichao Wang，Bo Li
Organization: Institute of Artificial Intelligence, Beihang University, Beijing, China

10:15-10:45 Coffee Break

10:45-11:00 #331, Title: Monitoring the Spread of a Pathogenic Insect on Vineyards using UAS
By Valeria Longhi, Alessio Martino, Andrea Maria Lingua, Paolo Felice Maschio, Elena Belcore
Organization: DIST, Politecnico di Torino, Viale Pier Andrea Mattioli 39, 10125 Torino

11:00-11:15 #351, Title: Extracting Building Outlines Based on Convolutional Neural Networks using the Property of Linear Connectivity
By Anton Emelyanov, Vladimir Knyaz, Vladimir Kniaz

Organization: Moscow Institute of Physics and Technology (MIPT), Russia

11:15-11:30 #272, Title: A Smart Application Frame of Remote Sensing in Non-grain Production Data Governance
By Longqi Zhang, Wenwen He, YunKai Guo, Xiao Teng
Organization: Department of Surveying and Mapping Engineering, Changsha University of Science and Technology, Changsha, China; Institute of Mapping and Remote Sensing Application, Changsha University of Technology, Changsha, China

11:30-12:00 Title: Contest on the intelligent interpretation for multi-modal remote sensing application. Oral Technical Reports

May 15 , 9:00-12:00

Room: Beijing Hall

Title: Robotics for Mapping and Machine Intelligence
Chaired by Prof. Liao Xiaohan, Prof Zhu Jianjun

Assistant：Prof. Zhou Yushan

9:00-9:30 Invited Talk, Title:
By Prof. Shi Wenzhong

9:30-10:00 Invited Talk, Title:
By Prof. Mao qingzhou

10:00-10:15 #134, Title: M-GCLO: Multiple Ground Constrained LiDAR Odometry
By Yandi Yang, Naser El-Sheimy
Organization: Department of Geomatics Engineering, University of Calgary, Calgary, Alberta, Canada

10:15-10:45 Coffee Break

10:45-11:00 #232, Title: Mapping Urban Green Space of the 36 Major Cities in China using ZY-3 Satellite Images Based on a Feature Robust to Low-brightness Pixels
By Chen Lu, Xiaoyu Du, Guanghui Wang, Wei Zhang, Lijuan Zheng
Organization: Land Satellite Remoting Sensing Application Center, Ministry of Natural Resource, Beijing, China

11:00-11:15 #130, Title: Dense Collaborative Mapping with Deep Visual SLAM Method
By Peiwei Pan, Wei Zhang, Norbert Haala
Organization: Institute for Photogrammetry, University of Stuttgart, Germany

11:15-11:30 #167, Title: Machine Learning for the prediction of mass movement susceptibility
By Mahdis Amiri, Saied Pirasteh
Organization: Institute of Artificial Intelligence and School of Mechanical and Electrical Engineering, Shaoxing University, Shaoxing, China

11:30-11:45 #341, Title: AI-Driven Dim-Light Adaptive Camera (DimCam) for Lunar Robots
By Ran Duan, Bo Wu, Long Chen, Hao Zhou, Qichen Fan

Organization: Department of Land Surveying and Geo-informatics │ Research Centre for Deep Space Explorations, The Hong Kong Polytechnic University, Hung Hom, Hong Kong

11:45-12:00 #260, Title: LOLA DEM Assisted Photogrammetric Processing of Lunar Reconnaissance Orbiter NAC Images for the Lunar South Pole
By Pengying Liu, Xun Geng, Yuying Wang, Jiujiang Zhang
Organization: College of Geography and Environmental Science, Henan University, Kaifeng, China; State Key Laboratory of Geo-Information Engineering, Xi'an, China

May 15 , 14:00-17:00

Room: Changsha Hall

Title: Orientation, Calibration and Validation of Sensors
Chaired by Prof. Zhang Guo, Prof.Zhang Yongsheng

Assistant：Prof. Wang Yanjun

14:00-14:30 Invited Talk, Title:
By Prof. Pan Hongbo
14:30-15:00 Invited Talk, Title:
By Prof. Fan Dazhao

15:00-15:15 #135, Title: Efficient Feature Matching for Large-scale Images based on Cascade Hash and Local Geometric Contraint
By Kan You, San Jiang, Yaxin Li, Wanshou Jiang，Xiangxiang Huang
Organization: School of Computer Science, China University of Geosciences, Wuhan, China; Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University, Hong Kong, China

15:15-15:30 #160, Title: Adaptive Parameter Local Consistency Outlier Removal Algorithm for Area-Based Matching
By Tao Huang, Hongbo Pan, Nanxi Zhou
Organization: School of Geoscience and Info-Physics, Central South University, Changsha, China

15:30-16:00 Coffee Break

16:15-16:30 #228, Title: Comprehensive Vibration Analysis and Modeling for ZY-3 Satellite's Lifecycle
By Fan Mo, Junfeng Xie, Shuyi Wang, Liping Zhao, Xiang Li，Haoran Xia, Yongjie Shang
Organization：Land Satellite Remote Sensing Application Center, Ministry of Natural Resources, Beijing, China；School of Earth Sciences and Engineering, Hohai University, Nanjing, China

16:30-16:45 #332, Title: Fast and Accurate Zero-defect Manufacturing Using Collaborative Real-time Photogrammetry
By Francesco Messina, Andrea Maria Lingua, Alessio Martino, Francesca Matrone, Paolo Maschio
Organization: Department of Electronics and Telecommunications (DET), PoliTO Interdepartmental Centre for Service Robotics (PIC4SeR), Politecnico di Torino, Corso Ferrucci 112, Italy

16:45-17:00 #347, Title: On-the-Fly SfM: What you capture is What you get
By Zongqian Zhan, Rui Xia, Yifei Yu, Yibo Xu, Xin Wang
Organization: School of Geodesy and Geomatics, Wuhan University, Wuhan, China

May 15 , 14:00-17:00

Room: Hefei Hall

Title: Digital Construction: Reality Capture, Automated Inspection, and Integration to BIM
Chaired by Prof. Bai Yuqi, Prof. Zhu Qing

Assistant：Prof. Mao Wenfei

14:00-14:30 Invited Talk, Title:
By Prof. Wang Weixi

14:30-15:00 Invited Talk, Title:
By Prof.

15:00-15:15 #114, Title: Terrestrial Laser Scanning (TLS) Survey and Building Information Modeling (Bim) of the Edmund Pettus Bridge: A Case Study
By Junshan Liu, Botao Li
Organization: School of Architecture, Georgia Institute of Technology, Atlanta, GA, USA; McWhorter School of Building Science, Auburn University, Auburn, AL, USA

15:15-15:30 #129, Title: Assessing and Improving Automated Viewpoint Planning for Static Laser Scanning Using Optimization Methods
By F. Noichl, M. Stuecke, C. Thielen, A. Borrmann
Organization: Chair of Computational Modeling and Simulation, School of Engineering and Design, Technical University of Munich, Munich, Germany

15:30-16:00 Coffee Break

16:00-16:15 #235 Title: Integrating Data from Terrestrial Laser Scanning and Unmanned Aerial Vehicle with LiDAR for BIM Developing
By Wioleta Błaszczak-Bąk, Andrea Masiero, Paweł Bąk, Kamil Kuderko
Organization: Faculty of Geoengineering, University of Warmia and Mazury in Olsztyn, Olsztyn, Poland

16:15-16:30 #275, Title: 360-Degree Tri-Modal Scanning: Engineering a Modular Multi-Sensor Platform for Semantic Enrichment of BIM Models
By Fiona Claire Collins, Florian Noichl, Martin Slepicka, Gerda Cones, André Borrmann
Organization: Chair of Computational Modeling and Simulation, School of Engineering and Design Technical University of Munich, Munich, Germany

16:30-16:45 #305, Title: Garbage Monitoring and Management Using Deep Learning
By Charanya Manivannan, Jovina Virgin, Shivaani Suseendran, Dr. K. Vani
Organization: Dept. of Information Science and Technology, College of Engineering, Guindy, Chennai, India

16:45-17:00 #358, Title: A Weakly Supervised Vehicle Detection Method from LiDAR Point Clouds
By Yiyuan Li, Yuhang Lu, Xun Huang, Siqi Shen, Cheng Wang, Chenglu Wen
Organization: Xiamen University, Xiamen, China

May 15 , 14:00-17:15

Room: Chongqing Hall

Title: Multi-sensor Remote Sensing Applications
Chaired by Prof. Laurent Polidor, Prof. Wang Lizhe

Assistant：Prof. Wang Wei

14:00-14:30 Invited Talk, Title:
By Prof. Li Zhenhai

14:30-14:45 #169, Title: Study on the Application of Water Resource Management Based on Gf-7 Stereo Mapping Satellite
By Ke Liu, Lirong Liu, Zhengyu Luo, YH Gan
Organization: Land Satellite Remote Sensing Application Center, Ministry of Natural Resources of P. R. China, Beijing, China

14:45-15:00 #202, Title: Shoreline Extraction Methods from Sentinel-2 and PlanetScope Images
By Riccardo Angelini, Eduard Angelats, Guido Luzi, Francesca Ribas, Andrea Masiero
Organization: Department of Civil and Environmental Engineering, University of Florence, Florence, Italy

15:00-15:15 #295, Title: Cross Domain Early Crop Mapping with Label Spaces Discrepancies using MultiCropGAN
By Yiqun Wang, Hui Huang, Radu State
Organization: The Services and Data Management Research Group (SEDAN), The Interdisciplinary Centre for Security, Reliability and Trust (SnT), University of Luxembourg, Luxembourg, Luxembourg

15:15-15:30 #312, Title: PRIMSA Hyperspectral Satellite Imagery Application to Local Climate Zones Mapping
By Alberto Vavassori, Daniele Oxoli, Giovanna Venuti, Maria Antonia Brovelli, Ali Badr Eldin, Ali Mohamed, Afshin Moazzam, Mario Siciliani de Cumis, Patrizia Sacco, Deodato Tapete
Organization: Dept. of Civil and Environmental Engineering, Politecnico di Milano, Milano, Italy

15:30-16:00 Coffee Break

16:00-16:15 #349, Title: Multi-sensor Data Analysis for Aerial Image Semantic Segmentation and Vectorization

By V.A. Knyaz, V.V. Kniaz, S.Yu. Zheltov, K.S. Petrov
Organization: Moscow Institute of Physics and Technology (MIPT); State Research Institute of Aviation Systems (GosNIAS) , Moscow, Russia

16:15-16:30 #353, Title: Influence of 3D Models on Cervical Measurements of Teeth
By Armen Gaboutchian, Vladimir Knyaz, Anatoly Maximov, Sergey Zheltov
Organization: Peoples Friendship University of Russia, Armen Gaboutchian, Moscow, Russia

16:30-16:45 #339, Title: Cascaded Framework for Earthquake Building Damage Detection Combining Spatial and Frequency Domain Feature Integration
By Dongping Ming, Shizhe Xie, Dehui dong, Jing Zhang
Organization: School of Information Engineering, China University of Geosciences Beijing, Beijing, China

16:45-17:00 #211, Title: Exploring the effects of crop growth differences on radar vegetation index response and crop height estimation using dynamic monitoring model
By Bo Wang, Yu Liu, Qinghong Sheng, Jun Li, Shuwei Wang, Yunfeng Qiao, Yunfeng Qiao, Honglin He
Organization: College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing, China

17:00-17:15 #150, Title: The Progress/Status of Ecological Assessment on the Intensive Land Use in Selenge and Darkhan-UUL Province, Mongolia
By Ochirkhuyag Lkhamjav, Uyanga Batbold, Delgertsetseg Renchinmyag, Bilguun Ulziibat, Uuriintsolmon Enkhtaivan, Ariunbold Erdenegerel, Oyundari Borkhuu, Solongo Tsogtbaatar, Khaulanbek Akhmadi
Organization: Division of Land Resources and Land Use, Institute of Geography and Geoecology, MAS; Mongolian Geospatial Association, Mongolia

May 15 , 14:00-17:00

Room: Beijing Hall

Title: Multi-sensor Modelling and Cross-modality Fusion
Chaired by Prof. Wang Cheng, Prof. Tian Jiaojiao

Assistant：Prof. Zhou Yushan

14:00-14:30 Invited Talk, Title:
By Prof. *Lingua Andrea*

14:30-15:00 Invited Talk, Title:
By Prof. Zou Tongyuan

15:00-15:15 #152, Title: Real-Time Deformation Measurement of Long-Span Bridge using Multi-Inertial Camera System
By Ruizhe Chen, Wei Tu, Qingquan Li, Zhipeng Chen, Bochen Zhang
Organization: Guangdong Key Laboratory of Urban Informatics, Shenzhen University, Shenzhen, China; Ministry of Natural Resources Key Laboratory for Geo-Environmental Monitoring of Great Bay Area, Shenzhen University, Shenzhen, China; Shenzhen Key Laboratory of Spatial Smart Sensing and Services, Shenzhen, China; School of Architecture and Urban Planning, Shenzhen University, Shenzhen, China

15:15-15:30 #241, Title: Deep Convolutional Network Based on Attention Mechanism for Matching Optical and SAR Images
By Haiqing He, Shixun Yu, Fuyang Zhou, Hai Zhang, Longyu Chen
Organization: School of Surveying and Geoinformation Engineering, East China University of Technology, Nanchang, China; Key Laboratory of Mine Environmental Monitoring and Improving around Poyang Lake of Ministry of Natural Resources, East China University of Technology, Nanchang, China

15:30-16:00 Coffee Break

16:00-16:15 #258, Title: Study On Fault Monitoring Technology Of Photovoltaic Panel Based On Thermal Infrared And Optical Remote Sensing
By Wei Zhang, Guanghui Wang, Guoqing Yao, Chen Lu, Yu Liu
Organization: China University of Geosciences, Beijing, China; Land Satellite Remote Sensing Application Center, MNR , Beijing, China

16:15-16:30 #281, Title: Estimating Forest Canopy Height Based On Gedi Lidar Data And Multi-Source Remote Sensing Images
By Yuqi Lei, Yuanjia Wang, Guilong Wang, Chengwen Song, Hui Cao, Wen

Xiao

Organization: School of Geography and Information Engineering, China University of Geosciences, Wuhan, China

16:30-16:45 #343, Title: Strategic Planning of Rural Telecommunication Infrastructure: A Multi-Source Data Fusion and Optimization Model
By Ferdaous Chaabane, Safa Réjichi, Houssem Ben Salem, Hassen Elmabrouk, Florence Tupin
Organization: COSIM laboratory, SUP'COM, Carthage University, Tunisia

16:45-17:00 #136, Title: Multi-temporal Monitoring for Road Slop Collapse by Means of Lutan-1 SAR and High Resolution Optical Data
By Xiang Zhang, Xinming Tang, Tao Li, Xiaoqing Zhou, Haifeng Hu, Xuefei Zhang, Jing Lu
Organization: Land Satellite Remote Sensing Application Center, Ministry of Natural Resources of P.R, Beijing, China

May 16 , 9:00-12:00

Room: Changsha Hall

Title: Multi-spectral, Hyperspectral and Thermal Infrared Sensors

Chaired by Prof. Wang Mi, Prof. Zhang Xinchang

Assistant：Prof. Zhang Longqi

9:00-9:30 Invited Talk, Title:
By Prof. Zhang Liangpei

9:30-10:00 Invited Talk, Title:
By Prof. Zhao Huijie

10:00-10:15 #108 Title: Research on Hyperspectral Surface Reflectance Dataset of Typical Ore Concentration Area in Hami Remote Sensing Test Field
By Shuneng Liang, Yang Li, Hongyan Wei, Lina Dong, Jiaheng Zhang, Chenchao Xiao
Organization：Land Satellite Remote Sensing Application Center, Ministry of Natural Resources, Beijing, China

10:15-10:45 Coffee Break

10:45-11:00 #109, Title: The time-series GF-1 WFV data monitoring of sugarcane using a Random Forest Algorithm in South China
By Chen Chen, Lou LinJiang, Cheng Tao, Gao XinYuan, Liu Yu
Organization：Land Satellite Remote Sensing Application Center, MNR, Beijing, China

11:00-11:15 #184, Title: Non-Destructive Assessment of Stone Heritage Weathering Types Based on Machine Learning Method Using Hyperspectral Data
By X. Wang, Y. Cheng, R. Zhang, Y. Zhang, J. Huang, H. Yan
Organization：Institute for the Conservation of Cultural Heritage, School of Cultural Heritage and Information Management, Shanghai University, Shanghai, China；School of Mechanics and Engineering Science, Shanghai University, Shanghai, China

11:15-11:30 #224, Title: Comparing Deep Learning and MCWST Approaches for Individual Tree Crown Segmentation
By Wen Fan, Jiaojiao Tian, Jonas Troles, Martin Döllerer, Mengistie Kindu, Thomas Knoke

Organization：Institute of Forest Management, Department of Life Science Systems, TUM School of LifeSciences Weihenstephan, Technical University of Munich, Hans-Carl-von-Carlowitz-Platz 2, 85354 Freising, Germany

11:30-11:45 #245, Title: Seasonal changes of chlorophyll-a concentration in Jiujiang city based on remote sensing
By Wei Jiang, Fanping Kong, Xiaohui Ding, Elhadi Adam, Shiai Cui, Gan Luo
Organization：China Institute of Water Resources and Hydropower Research, Beijing, China

11:45-12:00 #274, Title: Exploring the seasonal comparison of land surface temperature dominant factors in the Tibetan Plateau
By Qinghong Sheng, Yuejie Zhang, Kerui Li, Xiao Ling, Jun Li
Organization：College of Astronautics, Nanjing University of Aeronautics and Astronautics, Nanjing

May 16 , 9:00-12:15

Room: Hefei Hall

Title: Lidar, Laser Altimeter and Sensor Integration
Chaired by Prof. Li Jonathan, Prof. Chen Yiping

Assistant：Prof. Xing Xuemin

9:00-9:30 Invited Talk, Title: Perceptual interaction of generalized point cloud for intelligent construction of large-scale infrastructure
By Prof. Liu Chun

9:30-10:00 Invited Talk, Title: Corn phenotyping by harmonizing the terrestrial LiDAR points and spectral remote sensing data
By Prof. Su Wei

10:00-10:15 #110, Title: Forest Plot Decay Level Classification From Als-Derived L-Moments
By Abubakar Sani-Mohammed, Wei Yao, Reda Fekry, Tsz-Chung Wong, Marco Heurich
Organization：Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong

10:15-10:45 Coffee Break

10:45-11:00 #149, Title: Research on the Effectiveness of Lidar Survey for Large Mapping
By Sergey Nekhin, Alexey Rubenok, Alexander Kovrov
Organization：Public Law Company "Roskadastr", Moscow, Russia

11:00-11:15 #204, Title: Qinghai-Tibet Plateau Glacier-DEM product derived from the Chinese stereo mapping satellites
By Li Guoyuan, Guo Jinquan, Shang Jing, Zhu Siao, Chen Jie
Organization：Land Satellite Remote Sensing Application Center, Ministry of Natural Resources of P.R. China, Beijing, China; School of Surveying and Mapping and Geographic Sciences, Liaoning University of Engineering and Technology, Fuxin, China; College of Geo-science and Surveying Engineering, China University of Mining and Technology-Beijing, Beijing, China

11:15-11:30 #280, Title: Large-scale DSM registration via motion averaging
By Ningli Xu，Rongjun Qin
Organization ：Geospatial Data Analytics Lab, The Ohio State University, Columbus, USA; Department of Electrical and Computer Engineering, The Ohio

State University, Columbus, USA

11:30-11:45 #285, Title: A comparative study of mass balance in the Lambert Glacier and Amery Ice Shelf along the Chinese inland traverse during 2019–2023 using altimetry, gravity, and in-situ observations
By Hongwei Li, Youquan He, Yuanyuan Gu, Gang Qiao
Organization ： Center for Spatial Information Science and Sustainable Development Applications, Tongji University, Shanghai China; College of Surveying and Geo-informatics, Tongji University, Shanghai, China

11:45-12:00 #300, Title: Data Quality Analysis After Hyperspectral Lidar Sequentially Mapping Trees
By Shao Dong，Yi Lin
Organization：Institute of Remote Sensing and Geographic Information System, School of Earth and Space Sciences, Peking University, Beijing, China

12:00-12:15 #359, Title: Spectroscopy Detection and Imaging System Based on Line Array Single Photon Detectors
By Ruikai Xue, Wei Kong, Ziqiang Peng, Qiang Liu, Yuanting Liu, Bin Jiang, Genghua Huang, Rong Shu
Organization：Key Laboratory of Space Active Opto-Electronics Technology, Shanghai Institute of Technical Physics, Chinese Academy of Sciences, Shanghai, China; Shanghai Branch, Hefei National Laboratory, Shanghai, China; Shanghai Research Center for Quantum Sciences, Shanghai, China

May 16 , 9:00-12:00

Room: Chongqing Hall

Title: Autonomous Sensing Systems and Data Quality
Chaired by Prof. Mariana Campos, Prof.Guo Yunkai
Assistant：Prof. Li Shaoning

9:00-9:30 Invited Talk, Title:
By Prof. Liang, Xinlian

9:30-10:00 Invited Talk, Title:
By Prof. Chen Chao

10:00-10:15 #330, Title: Affordable Sensors for Speditive and Accurate Documentation of Built Heritage: First Tests and Preliminary Results
By Alessio Martino, Andrea Maria Lingua, Paolo Maschio
Organization：Department of Environment, Land and Infrastructure Engineering (DIATI), Politecnico di Torino, Corso Duca degli Abruzzi 24, Italy

10:15-10:45 Coffee Break

10:45-11:00 #265 Title: Accurate Pointing Determination of Space Targets under the Stars Background
By Guan Zhichao, Hou Chongyuan, Zhong Xing, Jiang Yonghua, Zhang Guo, Gong Jing
Organization：State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (LIESMARS), Wuhan University, Wuhan, China

11:00-11:15 #345, Title: Orthorectification of Bridges from High Resolution Satellite Images
By Seunghee Kim, Taejung Kim
Organization：Dept. of Geoinformatic engineering, Inha University,100 Inha-ro, Michuhol-gu, Incheon, Republic of Korea

11:15-11:30 #165, Title: Visual Reinforcement Learning for Dynamic Object Detection
By XiangSheng Wang, XiKun Hu, Ping Zhong
Organization：College of Electrical Science and Technology, National University of Defense Technology, China

11:30-11:45 #306, Title: UAV and Deep Learning: Detection of Selected Riparian Species along the Ganga River
By Ravindra Nath Tripathi, Aishwarya Ramachandran, Karan Agarwal, Vikas

Tripathi, Ruchi Badola, Syed Ainul Hussain
Organization：Ganga Aqualife Conservation Monitoring Center, Wildlife Institute of India, Dehradun, India；Dept. of Computer Science and Engineering, Graphic Era deemed to be University, Dehradun, India

11:45-12:00 #166, Title: On the RFI Detection in Differential Interferometric Synthetic Aperture Radar
By Yanyang Liu, Mingliang Tao, Jieshuang Li, Tao Li, Junli Chen
Organization：Shanghai Institute of satellite engineering, Shanghai, China

May 16 , 9:00-12:15

Room: Beijing Hall

Title: Microwave and InSAR Technology for Earth observation
Chaired by Prof. Liao Mingsheng, Prof. Li Chaokui

Assistant：Prof. Li Jia

9:00-9:20 Invited Talk, Title:
By Prof. Li Zhenhong

9:20-9:40 Invited Talk, Title:
By Prof. Hu Jun

9:40-10:00 Invited Talk, Title:
By Prof. Dong Jie

10:00-10:15 #123, Title: Calculating of Taftan Volcano Displacement Using PSI Technique and Sentinel 1 Images
By Mahdieh Shirmohammadi, Saied Pirasteh, Jie Shen, Jonathan Li
Organization：Department of Remote sensing and Geographic Information Systems, Faculty Geographical Sciences, Kharazmi university, Tehran, Iran

10:15-10:45 Coffee Break

10:45-11:00 #126, Title: Utilizing InSAR for Surface Stability Monitoring in Mining Sites: A Case Study of Sukari Gold Mine in Egypt
By Bahaa Mohamadi
Organization：Institute of Artificial Intelligence, School of Mechanical and Electrical Engineering, Shaoxing University, Shaoxing, China

11:00-11:15 #157, Title: Revealing Urban Deformation Patterns through InSAR Time Series Analysis with TCN and Transfer Learning
By Mengshi Yang, Saiwei Li, Hang Yu, Hao Wu, Menghua Li
Organization：Yunnan University, China, People's Republic of；Yunnan International Joint Laboratory of China-Laos-Bangladesh-Myanmar Natural Resources Remote Sensing Monitoring, China, People's Republic of

11:15-11:30 #186, Title: Comparison Between Dinsar and Stacking in Deformation Monitoring Using Lutan-1
By Jing Lu, Xinming Tang, Tao Li, Xiang Zhang, Xuefei Zhang, Tan Li, Xiaofeng Qiu
Organization：Land Satellite Remote Sensing Application Center, MNR, Beijing,

China

11:30-11:45 #207, Title: Crop Height Estimation Based on a novel Semi-Empirical Model Considering Double-Bounce Scattering Using RADARSAT-2 PolSAR Data
By Shuaifeng Hu, Qinghua Xie, Xing Peng, Jinfei Wang, Haiqiang Fu, Jianjun Zhu, Xiaotong Liu
Organization：The School of Geography and Information Engineering, China University of Geosciences (Wuhan), Wuhan, China

11:45-12:00 #216, Title: Assessing Looting Holes by Using SAR Simulation
By Cem Sönmez Boyoğlu，Timo Balz，Aigerim Sultanbekova
Organization：Wuhan University State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan 430079, China

12:00-12:15 #307, Title: Underground Target Extraction by Local Entropy Feature of Voxelized 3D Ground Penetrating Radar
By Wang Wenlong, Hu Qingwu, Zhang Ju, Zhao Pengcheng, Ai Mingyao
Organization：Wuhan University, School of Remote Sensing, Wuhan, China

May 16 , 14:00-17:00

Room: Changsha Hall

Title: Multi-spectral, Hyperspectral and Thermal Infrared Sensors

Chaired by Prof.Lin Hui, Prof. Zhou Guoqing

Assistant：Prof. Zhang Longqi

14:00-14:30 Invited Talk, Title:
By Prof. Liu Yinnian
14:30-15:00 Invited Talk, Title:
By Prof. Tang Bohui

15:00-15:15 #246, Title: Full-scale Semantic Segmentation of Hyperspectral Imaging based on Spatial-spectral Joint Network
By Hao Wu, Canhai Li, Yongchang Li
Organization: Liaoning Technical University, Faculty of Mapping Science and Technology, Fuxin, China; Land Satellite Remote Sensing Application Center, MNR, Beijing, China

15:15-15:30 #282, Title: Relative Truth Value Acquisition Method of Heterogeneous Surface Based on the Improved Point Spread Function
By Ning Liu, Qiyue Liu, Zui Tao, Li Cao, Wenhao Zhang, Menglin Wang, Shikang Jia, Ziyang Guo
Organization：North China Institute of Aerospace Engineering, Langfang, China

15:30-15:45 #318, Title: Selected Driver Variables for the Simulation of Land-Use and Land-Cover Change for the Republic of Djibouti: A study from Semi-arid Region
By Santa Pandit，Sawahiko Shimada，Timothy Dube
Organization：Department of Bioproduction and Environment Engineering, Tokyo University of Agriculture, Sakuragaoka, Setagaya, Tokyo, Japan

15:45-16:00 #276, Title: Building Footprint Extraction from Aerial Images using an Edge-aware YOLO-v8 Network
By Ziyu Song, Weixi Wang, Xiaoming Li, Shengjun Tang, Linfu Xie
Organization：Stale Key Laboratory of Subtropical Building and Urban Science, School of Architecture and Urban Planning, Shenzhen University, Shenzhen, China

16:00-16:15 #175, Title: Deep-FG-DSM: Fine-Grained DSM for High-resolution UAV Imagery Based on Deep Implicit Occupancy Networks

By Yongmao Hou, Haibo Zhang, Xin Wang，Zongqian Zhan
Organization：School of Geodesy and Geomatics, Wuhan University, Wuhan, China

16:15-16:30 #247, Title: Sparse Matching Via Point and Line Feature Fusion for Robust Aerial Triangulation of Photovoltaic Power Stations' Thermal Infrared Imagery
By Tao Ke, Zhouyuan Ye, Xiao Zhang, Yifan Liao, Pengjie Tao
Organization: School of Remote Sensing and Information Engineering; Hubei Luojia Laboratory, Wuhan, China

16:30-16:45 #284, Title: A Robust Camera Self-Calibration Method Based On Circular Oblique Images
By Zhiying Li, Sitong Li, Wei Qin, Pengjie Tao
Organization: School of Remote Sensing and Information Engineering, Wuhan University, Wuhan, China

16:45-17:00 #346, Title: Multitemporal Seagrass Mapping And Monitoring Of Posidonia Meadows And Banquettes For Blue Carbon Conservation: The Poseidon Project
By Giulia Ceccherelli, Filiberto Chiabrando, Francesca Gallitto, Andrea Lingua, Valeria Longhi, Paolo Maschio, Francesca Matrone, Fabio Menna, Erica Nocerino, Massimiliano Scalici, Silvia Secco, Beatrice Tanduo
Organization：Department of Chemistry and Pharmacy, Universitá di Sassari, Via Piandanna 4, Sassari

May 16 , 14:00-16:45

Room: Hefei Hall

Title: Generation and Processing of Point Cloud
Chaired by Prof. Yang Bisheng, Prof. Wu Lixin

Assistant：Prof. Xing Xuemin

14:00-14:30 Invited Talk, Title:
By Prof. Yang Zefa

14:30-15:00 Invited Talk, Title:
By Prof. Xing Yanqiu

15:00-15:30 Invited Talk, Title:
By Prof. Li Guoyuan

15:30-15:45 #112, Title: Structured Generation Method of 3D Synthetic Tree Models for Precision Assessment
By Zhuoyu Ao, Weixi Wang, Yaoyu Li, Hongsheng Huang, Xiaoming Li, Renzhong Guo, Shengjun Tang
Organization：Research Institute for Smart Cities, School of Architecture and Urban Planning, Shenzhen University, Shenzhen, China

15:45-16:00 #334, Title: Overview and Benchmark on Multi-Modal Lidar Point Cloud Registration for Forest Applications
By Mariana Campos, Leticia Castanheiro, Dipal Shah, Yunsheng Wang, Antero Kukko, Eetu Puttonen
Organization：Department of Remote Sensing and Photogrammetry, Finnish Geospatial Research Institute, National Land Survey of Finland, 02150 Espoo, Finland

16:00-16:15 #200, Title: Matching UAV-Based Simulated High-Resolution SAR and Real SAR Images
By Aigerim Sultanbekova，Timo Balz
Organization：State Key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University, Wuhan, China

16:15-16:30 #310, Title: Geometric accuracy evaluation and analysis of ZY-1 02E IRS thermal infrared image data using GCP extraction based on phase correlation matching method
By Liping Zhao, Xianhui Dou, Fan Mo, Hongmo Li, Fangxu Zhan, Dian Qu, Junfeng Xie

Organization：Land Satellite Remote Sensing Application Center, Ministry of Nature Resource, Beijing, China

16:30-16:45 #350, Title: Experiments with Combining LiDAR and Camera Data Acquired by UAS and Smartphone to Support Mapping
By R. Tamimi, C. Toth
Organization: SPIN Laboratory, Department of Civil, Environmental and Geodetic Engineering, The Ohio State University, 470 Hitchcock Hall, 2070 Neil Ave., Columbus

May 16 , 14:00-16:30,

Room: Chongqing Hall

Title:Provincial and Commercial Satellite Remote Sensing Application

TBD

May 16 , 14:00-16:30

Room: Beijing Hall

Title: Microwave and InSAR Technology for Earth Observation
Chaired by Prof. Balz Timo, Prof. Zhang Lu

Assistant：Prof. Li Jia

14:00-14:20 Invited Talk, Title:
By Prof. *Zhang Lei*

14:20-14:40 Invited Talk, Title:
By Prof. Yang Shuai

14:40-15:00 Invited Talk, Title:
By Prof. *Fu Haiqiang*

15:00-15:15 #234, Title: Standard PSInSAR approach: Experimental study on the sensitivity of different bounds change on the deformation
By Mostafa Ewais，Timo Balz
Organization ： Wuhan University, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan, China

15:15-15:30 #237, Title: LT-1 Sar Satellite Constellation for Permafrost Deformation Monitoring along the Tibetan Plateau Engineering Corridor
By Xuefei Zhang, Tao Li, Xiang Zhang, Xiaoqing Zhou, Jing Lu, Xueguang Zhang
Organization：Land Satellite Remote Sensing Application Center, Ministry of Natural Resources, Beijing, China

15:30-15:45 #250, Title: Analysis the Multiple Scattering features of Artificial facilities in X-Band SAR images
By Sijie Ma，Tao Li
Organization：Land Satellite Remote Sensing Application Center, Ministry of Natural Resources, Beijing, China

15:45-16:00 #257, Title: A Robust Registration Method for Multi-view SAR Images based on Best Buddy Similarity
By Yifan Zhang, Zhiwei Li, Wen Wang, Minzheng Mu, Bangwei Zuo
Organization：School of Geoscience and Info-physics, Central South University, Changsha, China

16:00-16:15 #333, Title: Assessing the Impact of the Turkiye February 2023

Earthquakes on Cultural Heritage Sites: A Multi-disciplinary Approach Utilizing ARIA Maps and Social Media Collaboration
By Nusret Demir, Ciler Cilingiroglu
Organization：Dept. of Space Science and Technologies, Faculty of Science, Akdeniz University, Antalya, Türkiye

16:15-16:30 #283, Title: InSAR Digital Surface Model Refinement by Block Adjustment with Horizntal Constraints
By Lai Wei, Tao Ke, Quan Jing, Fanhong Li, Pengjie Tao
Organization：School of Remote Sensing and Information Engineering, Wuhan University, Wuhan, China

May.15 , 10:00-10:35.
Room: Fuzhou Hall

#104, Title: A Method for Detecting Photovoltaic Panel Faults Using a Drone Equipped with a Multispectral Camera
By Ran Duan, Zhenling Ma
Organization: AIEN Institute, Shanghai Ocean University, Shanghai, China

#115, Title: Sentinel 1A-2A Incorporating an Object-based Image Analysis Method for Flood Mapping and Extent Assessment
By Donya Azhand, Saied Pirasteh, Masood Varshosaz, Hejar Shahabi, Salimeh Abdollahabadi, Hossein Teimouri, Mojtaba Pirnazar, Xiuqing Wang, Weilian Li
Organization: Shaoxing Institute of Artificial Intelligence, Shaoxing University, Shaoxing, China; MAPNAGROUP (Monenco Iran Consulting Engineers), No 12, Attar St., Vanek Square, Valiasr St., Tehran, Iran

#116, Title: The Research of Collaborative system of Remote Sensing Monitoring based on Bimodal Cloud
By Kaijun Yang, Fan Lei, Li Can, Jide Wei, Zhe Zhang
Organization: China University of Geosciences (Wuhan), Wuhan, China

#117, Title: Research on Sugarcane Recognition based on Joint Spatial and Spectral Information of Satellite-Based Hyperspectral Imagery
By Yujun Shi, Chengjie Su, Tao Yue, Lin Jiang, Yajun Fan, Jing Rong
Organization: School of Civil Engineering, Guangxi Polytechnic of Construction, Nanning, China; Guangxi Key Laboratory of Spatial Information and Geomatics, Guilin University of Technology, Guilin, China

#121, Title: Mobile LiDAR-based Real-time identification of Transmission Lines
By Minglei Li, Li Xu, Mingfan Li, Guoyuan Qu, Dazhou Wei, Wei Li
Organization: College of Electronic and Information Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China

#132, Title: Comparison of Extraction accuracy of Sugarcane from different resolution satellite images using Deep lab V3+ Mode
By Gao Xinyuan, Chen Chen, Gan Yuhang, Liu Yu
Organization: Land Satellite Remote Sensing Application Center, MNR, Beijing, China

#133, Title: A Long-time-series Spatio-Temporal-Spectral Fusion Method via Multi-task Learning
By Mingyuan Peng, Canhai Li, Xiaoqing Zhou, Guoyuan Li
Organization: Land Satellite Remote Sensing Application Center, China

#139, Title: Urban lakes change extraction using time series GaoFen-1 satellite imagery
By Gan Luo, Wei Jiang, Lingjia Liu, Qingke Wen, Shuo Liu, Weichao Sun
Organization: Research Center of Flood and Drought Disaster Reduction of the Ministry of Water Resources, China Institute of Water Resources and Hydropower Research, Beijing, China; Resources and Hydropower Research, Beijing, China

#140, Title: Neural Cellular Automata-based Land Use Changes Simulation
By Jinian Zhang, Lanfa Liu
Organization: College of Urban and Environmental Sciences, Central China Normal University, Wuhan, China; Hubei Provincial Key Laboratory for Geographical Process Analysis and Simulation, Central China Normal University, Wuhan, China

#143, Title: Heritage Building Information Modelling (HBIM): A Review of Published Case Studies
By Junshan Liu, Botao Li
Organization: School of Architecture, Georgia Institute of Technology, Atlanta, GA, USA; McWhorter School of Building Science, Auburn University, Auburn, AL, USA

#144, Title: Autonomous Landing Spot Detection for Unmanned Aerial Vehicles Based on Monocular Vision
By Yanan Cao, Minglei Li, Li Xu, Mingqiang Wei
Organization: College of Electronic and Information Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China

#146, Title: A Method for Hierarchical Weighted Fitting of Regular Grid DSM with Discrete Points
By Haoran Guo, Weijun Li, Jieke Dong, Yansong Duan
Organization: School of Remote Sensing and Information Engineering, Wuhan University, Wuhan, China

#147, Title: Updating Orthophotos around Gas Pipelines based on "Cloud Control" Photogrammetry
By Lei Qin, Yawen Liu, Xinbo Zhao, Yansong Duan
Organization: School of Remote Sensing and Information Engineering, Wuhan University, Wuhan, China

#148, Title: Few-shot SAR vehicle target augmentation based on generative adversarial networks
By Dan Gao, Xiaofang Wu, Zhijin Wen, Yue Xu, Zhengchao Chen
Organization: Institute of Systems Engineering, Academy of Military Sciences, Chinese People's Liberation Army, Beijing, China

#154, Title: Estimating Forest Stock Volume Based on Airborne Lidar Data
By xiao Niu, Na Jiang, Ke Hou, Yuan Yin
Organization: Shandong Provincial Institute of Land Surveying and Mapping, Jinan, China

#155, Title: Research on Monitoring and Application of Ecological Restoration Engineering in Open Pit Backfilling Mines Based on Satellite Remote Sensing Data
By Shuneng Liang, Yang Li, Ning Zhang, Chenchao Xiao, Hongyan Wei
Organization: Land Satellite Remote Sensing Application Center, Ministry of Natural Resources, Beijing, China

#156, Title: Design and Implementation of Time Point Approval and Dynamic Monitoring for Rural Illegal Occupation of Farmland for Constructing Houses
By Chang Xu, WeiZhao Huang, Miao Zhang, XiaoQing Xiong, Lu Liu, JiangBo Li, Lan Chun, Miao Wu
Organization: Hainan Geomatics Centre of Ministry of Natural Resources, Haikou, China

#162, Title: Soybean Seedling Detection and Counting from UAV Images Based on an Improved YOLOv8 Network
By HaoTian Wu, Junhua Kang, Heli Li
Organization: College of Geological Engineering and Geomatics, Chang'an University, Xi'an, China

#163, Title: Evaluating the Stability of the Jianchuan Ancient Town with TerraSAR-X images
By Xinning Gao, Menghua Li, Mengshi Yang, Li Tang, Bo-Hui Tang
Organization: Faculty of Land Resources Engineering, Kunming University of Science and Technology, Kunming, PR China

#168, Title: Research on entity relationships in the knowledge graph of disease monitoring in grotto temples
By Yiran Wang
Organization: School of Geomatics ang Urban Spatial Informatics, Beijing University of Civil Engineering and Architecture, Beijing, China

#170, Title: Facial Recognition and Classification of Terracotta Warriors in the Mausoleum of the First Emperor Using Deep Learning
By Sheng Yan
Organization: School of Geomatics ang Urban Spatial Informatics, Beijing University of Civil Engineering and Architecture, Beijing, China

#171, Title: Research on the Joint Construction of a National Multi-source and Multi-resolution image Checkpoint Database

By Qingqing Yan, Chang Liu, Wenchao Gao, Mingying Wan, Xuan Wu, Shuai Dong
Organization: National Quality Inspection and Testing Center for Surveying and Mapping Products, Beijing, China

#173, Title: Weakly Supervised Learning Method for Semantic Segmentation of Large-Scale 3D Point Cloud Based on Transformers
By Zhaoning Zhang, Tengfei Wang, Xin Wang, Zongqian Zhan.
Organization: Faculty of Geosciences and Environmental Engineering, SWJTU, Chengdu, China

#262, Title: Efficient Feature Matching and Pose-graph Initialization for SfM
By·Wentian Gan, Zongqian Zhan, Xin Wang
Organization: School of Geodesy and Geomatics, Wuhan University, Wuhan, China

#255, Title: Research of Multimodal Transport Potential of Major Cities in China Based on the Satellite Remote Sensing
By·Hailun Dai, Zhengbo Fu, Tao Zhang, Guanghui Wang, Lei Miao, Ting Liu, Yunjia Zou
Organization: Land Satellite Remote Sensing Application Center, MNR, Beijing, China; Beijing Satlmage Information Technology Co. Ltd., Beijing, China

#254, Title: A Deep Neural Network for Road Extraction with the Capability to Remove Foreign Objects with Similar Spectra
By·Haiqing He, Yan Wei, Fuyang Zhou, Hai Zhang
Organization: School of Surveying and Geoinformation Engineering, East China University of Technology, Nanchang, China; Key Laboratory of Mine Environmental Monitoring and Improving around Poyang Lake of Ministry of Natural Resources, East China University of Technology, Nanchang, China

May.15 , 15:30-16:00
Room: Fuzhou Hall

#178, Title: Land Cover Classification Based on Multimodal Remote Sensing Fusion
By Wei Chen, Jiage Chen, Yuewu Wan, Xining Liu, Mengya Cai, Jingguo Xu, Hongbo Cui, Mengdie Duan
Organization: Sanya Institute of South China Sea Geology, Guangzhou Marine Geological Survey, China Geological Survey, Sanya, China

#180, Title: Surface Deformation Monitoring and Subsidence Mechanism Analysis in Beijing based on Time-series InSAR
By Jinghui Wang, Ziyan Luo, Lv Zhou, Xinyi Li, Cheng Wang, Dongming Qin
Organization: Mineral Resources Exploration Center of Henan Geological Bureau, Zhengzhou, China

#183, Title: Analysis of Surface Deformation and Related Factors over Mining Areas based on InSAR: A Case Study of Fengcheng Mine
By Xiaying Wang, Shuaiqiang Chen, Yuanping Xia, Yufen Niu, Jun Gong, Yumei Yang
Organization: Key Laboratory of Mine Environmental Monitoring and Improving around Poyang Lake of Ministry of Natural Resources, East China University of Technology, Nanchang, China

#187, Title: Method for Generating Indoor 3D Scene Graphs Based on Instance Features and Relationship Encoding
By Han Du, Benhe Cai, Xiaoming Li, Weixi Wang, Shengjun Tang
Organization: Research Institute for Smart Cities, School of Architecture and Urban Planning, Shenzhen University, Shenzhen, P.R. China

#193, Title: Image Data Stream Organization and Online Analysis Application Based on Data Cube Technology
By Xinyuan Huang, Xiaoming Gao, Sida Ouyang, Zhengbo Fu
Organization: School of Geomatics, Liaoning Technical University, Fuxin, China

#194, Title: Three-dimensional Forest Structure Features Extraction based on TomoSAR
By ZhenTao Hu, Xing Peng, Qinghua Xie, Tingting Huang, Yulan Wu
Organization: The School of Geography and Information Engineering, China University of Geosciences (Wuhan), Wuhan, China

#197, Title: Snow Penetration Depth Inversion in Tibetan Plateau Based on Coherence Scattering Model with X-band Data
By Lihong Deng, Xing Peng, Qinghua Xie, Yushan Zhou, Lijun Shen
Organization: The School of Geography and Information Engineering, China University of Geosciences (Wuhan), Wuhan, China

#198, Title: Detecting and Monitoring Artisanal Mining Operations in Semi-Arid Terrain Using Multitemporal SAR Data for InSAR Coherence Estimation and Unsupervised Classification
By Ifeanyi Chike, Timo Balz
Organization: State Key Laboratory of Information Engineering in Surveying, Mapping, and Remote Sensing, Wuhan University, Wuhan, China

#208, Title: A Comparison of Sentinel-1 Biased and Unbiased Coherence for Crop Monitoring and Classification
By Qinxin Zhao, Qinghua Xie, Xing Peng, Yusong Bao, Tonglu Jia, Linwei Yue, Haiqiang Fu, Jianjun Zhu
Organization: The School of Geography and Information Engineering, China University of Geosciences (Wuhan), Wuhan, China

#209, Title: Crop Phenology Estimation in Rice Fields Using Sentinel-1 GRD SAR Data and Machine Learning-Aided Particle Filtering Approach
By Jie Yang, Hongtao Shi, Qinghua Xie, Juan M. Lopez-Sanchez, Xing Peng, Jianghao Yu, Lei Chen
Organization: The School of Geography and Information Engineering, China University of Geosciences (Wuhan), Wuhan, China

#217, Title: Exploring the Scientific Mechanism of Tree Structure Network based on LiDAR Point Cloud Data
By Haoliang Chen, Yi Lin
Organization: Institute of RS and GIS, School of Earth and Space Sciences, Peking University, Beijing, China

#219, Title: Building Height Extraction Based on Satellite GF-7 High-Resolution Stereo Image
By Zijin Tian, Yan Gong
Organization: School of Remote Sensing and Information Engineering, Wuhan University, Wuhan, China

#220, Title: Technical Framework and Preliminary Practices of Global Geographic Information Resource Construction
By Hongwei Zhang, Jiage Chen, Chenchen Wu, Lijun Chen
Organization: National Geomatics Center of China

#221, Title: Multi-scale Target Detection Algorithm of Optical Remote Sensing Image Based on Improved YOLOv8
By Haoyu Wang, Haitao Yang, Jinyu Wang, Xixuan Zhou, Yifan Xu, Honggang Zhang
Organization: Graduate School, Space Engineering University, Beijing, China

#222, Title: Spatiotemporal coupling analysis of surface water and groundwater in Tibet based on multi-source sensors
By Mengran Wang, Jiaqi Yao, Fan Mo, Nan Xu
Organization: Academy of Eco-Civilization Development for Jing-Jin-Ji Megalopolis, Tianjin Normal University, Tianjin, China

#223, Title: Research on Dynamic Updating Technology of Digital Maps for Mobile Communications Based on Multi source Remote Sensing Images
By Jin Bai, Chenni Lu, Shuai Dong, Chang Liu, Qingqing Yan, Chenyang Wang, Jingnan Gao
Organization: School of Engineering Sciences, University of Chinese Academy of Sciences, Beijing, China

#225, Title: Long-term Satellite-derived Bathymetry of Arctic Supraglacial Lake from ICESat-2 and Sentinel-2
By Jinhao Lv, Shaoyu Li, Xiaoming Wang, Chao Qi, Meng Zhang
Organization: College of Geodesy and Geomatics, Shandong University of Science and Technology, Qingdao, China

#226, Title: Identification of Key Areas for Ecological Conservation and Restoration based on Multi-source Data and Remote Sensing Time Series Analysis
By Yuanpeng Chen, Xu Zhou, Yan Zhou, Chengpeng Zhang, Yantao Liu, Xiangyan Su
Organization: Land Consolidation and Rehabilitation Center, Ministry of Natural Resource, Beijing, China

#229, Title: Retrieval Algorithm of Chlorophyll-A Concentration for Coastal Waters based on Ridge Regression
By Lei Li, Hongmei Zhang，Zhiling Xiong , Yun Bao
Organization: School of Hydraulic Engineering, Nanchang Institute of Technology, Nanchang, China

#355, Title: Surface Topography Modelling and Ice Flow Velocity Mapping of Dalk Glacier, East Antarctica: Application of UAV Remote Sensing
By·Zheyi Cao, Leyue Tang, Xiaohan Yuan, Gang Qiao
Organization: Center for Spatial Information Science and Sustainable Development Applications, Tongji University, Shanghai, China

#352, Title: An Ensemble Learning Framework for Anomaly Detection of Important Geographical Entities
By·Haolin Li, Jiaojiao Tian, Shan Wang, Ping Song, Yi She
Organization: Sichuan Surveying and Mapping Product Quality Test & Control Center, MNR, China, People's Republic of

#348, Title: Light-weight Fusion Network for UAV Visible-light and Infrared Images based

on Real-time Brain-like Intelligent Computing

By·Kun Hu, Jiayi Qu, Wenhao Zheng, Haoyang Zhou, Tianyu Cai, Qingle Zhang, Shichao Wang, Bo Li

Organization: Institute of Artificial Intelligence, Beihang University, Beijing, China

#340, Title: Comparing Firn Temperature Profiles Retrieval based on the Firn Densification Model and Microwave Data over the Antarctica

By·Xiaofeng Wang, Lu An, Peter L. Langen, Rongxing Li

Organization: Center for Spatial Information Science and Sustainable Development, Tongji University, Shanghai, China; College of Surveying and Geo-Informatics, Tongji University, Shanghai, China

#248, Title: Research on Photovoltaic Development in Northwestern China using Remote Sensing Images

By·Yunjia Zou, Tao Zhang, Guanghui Wang, Wei Zhang, Ting Liu, Hailun Dai

Organization: Land Satellite Remote Sensing Application Center, MNR, Beijing, China

#242, Title: Application of LuTan-1 SAR Data in Railway Subsidence Monitoring

By·Li Wenhao, Li Tao, Zhou Xiaoqing, Liu Xian

Organization: Space Engineering University, Beijing, China

#231, Title: Semi-supervised PolSAR Image Change Detection using Similarity Matching

By·Lei Wang, Lingmu Peng, Hanyu Hong, Shuwei Zhao, Qiwen Lv, Rong Gui

Organization: Hubei Key Laboratory of Optical Information and Pattern Recognition, Wuhan Institute of Technology, Wuhan, China

May.16 , 10:15-10:45
Room: Fuzhou Hall

#328, Title: Research and Application of Land Illegal Behavior Monitoring based on Video Image Recognition
By·Min Hu
Organization: Shanghai Surveying and Mapping Institute, Shanghai, China

#326, Title: Positioning Improvement for Spaceborne Laser Footprint Based on Precisely Terrain Data
By·Chaopeng Xu, Junfeng Xie, Xiaomeng Yang, Xin Lv
Organization: Land Satellite Remote Sensing Application Center, Ministry of Natural Resources of China, Beijing, China

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