The 2ⁿᵈ International Conference on Advanced Remote Sensing and the 2023 Wuhan Remote Sensing Week

From October 13-15, 2023, the 2nd International Conference on Advanced Remote Sensing and the 2023 Wuhan Remote Sensing Week were held at the Wuhan East Lake International Conference Center, Wuhan, Hubei, China. More than 2,000 experts, scholars, and students from universities, research institutes, and representatives from leading companies from both China and abroad gathered together to discuss new theories, methods, and equipment in remote sensing, shared the latest progress and achievements in both academic and industry, and promoted the development of the discipline of remote sensing.

The conference opened on October 14. Prof. Jianya Gong, academician of the Chinese Academy of Sciences, chaired the opening ceremony. Yun Du, deputy director of the Department of Science and Technology of Hubei Province, and Prof. Wei Gong, vice president of Wuhan University delivered the welcoming addresses on behalf of the Hubei Province and Wuhan University. Prof. Christian Heipke, the former president of the International Society for Photogrammetry and Remote Sensing (ISPRS) delivered the welcoming addresses and extends

congratulations on behalf of the ISPRS. Moreover, Prof. Deren Li, academician of the Chinese Academy of Sciences and the Chinese Academy of Engineering, Prof. Jiayao Wang, academician of the Chinese Academy of Engineering, Prof. Jie Jiang, secretary general of ISPRS, attended the opening ceremony.

Following the opening ceremony, the keynote speeches were conducted. The session was chaired by Prof. Yongjun Zhang, dean of the School of Remote Sensing and Information Engineering at Wuhan University, and Prof. Jie Jiang, secretary general of ISPRS and professor at Beijing University of Civil Engineering and Architecture. Prof. Deren Li, academician of the Chinese Academy of Sciences and the Chinese Academy of Engineering, Prof. Christian Heipke, former president of ISPRS and professor at Leibniz University Hannover, Prof. Orhan Altan from Istanbul Technical University, Prof. Hui Lin from Jiangxi Normal University, Prof. Sisi Zlatanova from UNSW Sydney, Prof. Wenzhong Shi from The Hong Kong Polytechnic University, Prof. Ayman Habib from Purdue University, and Researcher Prof. Qin Yan from the Chinese Academy of Surveying and Mapping delivered keynote speeches. The topics covered included "From Luojia Satellites to Orient Smart Eye Constellation - Software-defined Intelligent Remote Sensing Satellites", "Satellite Image Times Series Processing for Forest Monitoring", "FACTS We Know and Taking any Action? --About Climate Change and Geospatial Sciences", "Exploration and Practices of Remote Sensing in Cloudy and Rainy Environments", "Urban Digital Twins: data integration challenges", "AI for urban object recognition and change detection", "Near Proximal and Proximal Sensing for High Throughput Phenotyping", and "Remote sensing monitoring of natural resources in the Yangtze River Delta"

The conference topics in four sub-sessions include (1) Sensors and Data Acquisition; (2) Remote Sensing Data Processing and Information Extraction; (3) Remote Sensing Theory and Methods; and (4) Remote Sensing Applications. A total of 16 different thematic sessions were conducted.

The conference is under the guidance of ISPRS, organized by the Department of Science and Technology of Hubei Province and Wuhan University, and hosted by the School of Remote Sensing and Information Engineering at Wuhan University, the State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, and Hexagon Leica Geosystems. It includes a series of events such as the "2023 Geo-National Conditions Monitoring and Digital Rural Technology Seminar", "Wuhan University Remote Sensing Alumni Day", and the "8th Academic Seminar on Spatial Intelligence". The conference also featured the announcement of the new generation remote sensing image intelligent interpretation platform Luojia.AI and Leica new products, which was hosted by Prof. Zhi Gao, vice dean of the School of Remote Sensing and Information Engineering at Wuhan University. While it was held offline, the live broadcast was available online.