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Editors

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Introduction

In the golden season of fall 2012, the Chinese remote sensing colleagues greeted our own bi-annual festival again, The 18th China Symposium on Remote Sensing, under the elaborate organization and full cooperation of Committee on Photogrammetry and Remote Sensing, Chinese Society for Geodesy Photogrammetry and Cartography and Wuhan University, together with other organizers and co-organizers.

In the process of organizing and announcing the call for papers, many scholars in the field of remote sensing contributed their papers. A lot of original articles were received: related to all aspects of remote sensing technology and applications such as high resolution remote sensing data processing and application, microwave and radar remote sensing technology, geospatial data acquisition and processing, digital photogrammetry and mapping, and geographical condition monitoring. More than 160 full papers were selected into the symposium.

Remarkable achievements were shown at the symposium. The proceedings reflect that aerospace, aviation, low altitude and ground remote sensing technology of China have gained amazing achievements in the past 30 years. Holding the independent property rights in satellite data, China continues to forge ahead, actively developing new sensors, carrying out space exploration, and never stopping efforts to improve and innovate the existing data processing algorithm. This symposium affirmed and summarized the development of remote sensing in the 11th Five-year Plan of China.

The symposium also paved the way for the future. With the implementation of China 12th Five-year Plan for 2011–2015, the symposium led an in-depth discussion on national remote sensing medium and long-term development strategy, analyzing and following the international frontier of remote sensing progress, and promoting China remote sensing career leaping onto a new level. Education, training, and public welfare sessions were also set this time to combine remote sensing with social science, which can make remote sensing more popular.

Located on Luoka Mountain, Wuhan University has cultivated a large number of geologists, surveying, and mapping engineers who make Geographic Information System indispensable to our daily life. Frankly speaking, it is one of the centers of the Geographic Information System in our country. Outstanding software—MAPGIS and GEOSTAR—with independent copyright, were born here.

Successfully held six times, the 7th China Youth Remote-Sensing Debate Competition was held simultaneously with this symposium. The 2nd Seminar on

National High Resolution Remote Sensing Data Processing and Applications, other special sessions, and the Remote Sensing and Surveying and Mapping Technology Exhibition was also held. Meanwhile, keynote reports from academicians and ministry directors analyzed remote sensing developments and technological frontiers, and then looked forward to trends in China during the 12th Five-year Plan.

I express my sincere thanks to the host, organizers, and co-organizers of this symposium for their hardworking and great support.

Qingxi Tong
CNCRS—Chinese National Committee for Remote Sensing