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**Deren Li  
Jianya Gong  
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*Editors*

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## Introduction

Welcome to the Proceedings of SPIE for *The International Conference on Earth Observation Data Processing and Analysis (ICEODPA)*.

As the space technology, computer technology, communication technology and information processing technology have progressed, modern geospatial remote sensing technology has undergone an unprecedented development. The earth observation technology has become a hot spot of the world scientific and technological development. The existing high-resolution, hyperspectral, multiphase, and all-weather remote sensing earth observation technology has enabled humans to observe and do research on their own planet as a whole, which has made a tremendous contribution to the development of the earth sciences research and sustainability of human society.

To exchange the latest developed technologies and industry experiences of earth observation, to enhance the connection between international and Chinese colleagues in this field, the International Conference on Earth Observation Data Processing and Analysis (ICEODPA) was held in Wuhan on December 28-30, 2008. The conference was organized by the inter-disciplinary research group of the project "Earth Observation Data - Geospatial Information - Geographical Knowledge: Transformation Mechanism and Methodology" (2006CB701304) supported by the National Key Basic Research and Development Program. The conference provided peer scholars, entrepreneurs and technical personnel with a mutual exchanges and mutual learning platform.

The conference theme covers diverse topics related to earth-observation data acquisition, processing, analysis and application to enrich the future development of geospatial information science. The conference received 415 abstracts and accepted nearly 200 full papers for the proceedings after a peer-review process. Forty oral presentations and more than 100 posters were delivered in the conference. It was a great occasion to promote academic exchanges and achievements in the field of geospatial information science. We sincerely thank all contributors for their hard working and enthusiastic efforts to make this conference and this proceedings volume a great success!

**Deren Li**

