

The Fifth International Workshop on Earth Observation and Remote Sensing Applications (EORSA 2018)

Call for Papers

Location: Xi'an, China

Dates: June 18-20, 2018

<http://www.eorsa2018.org>



Geospatial technology has become one of the three emerging technologies in the 21st century. As the key part of geospatial technologies, earth observation and remote sensing techniques have received an increasing interest in the academic, governments, industries, and beyond. China is a rapidly evolving nation in space and earth observation technologies. Since the 1980s, a great progress has been made in optical, microwave, and hyperspectral remote sensing. Over the past 30 years, Chinese government has increased its emphasis on the ecological environment. President Jinping Xi pointed out that “Our efforts for ecological and environmental protection contribute to contemporary times and will benefit future generations”, and put forward the construction of ecological idea with people oriented, harmony between human and nature in its core, as well as the ecological development view driven by green. However, rapid economic growth and urbanization have resulted in dramatic changes in eco-environmental quality in China, including degradation of ecosystems, environmental deterioration, decrease of lakes and wetlands, which has made China’s sustainable development and the establishment of ecological civilization face a great challenge. At the same time, during the past few decades the complexity of global change and its interaction with human activities have also become major problems in scientific research. Thus, earth observation and remote sensing based geospatial technologies have become important tools for monitoring, assessing and analyzing ecosystems, environmental quality and resource conditions, which provides potential solutions to address global change issues.

Prof. Qihao Weng, Indiana State University, USA, with support from his international colleagues, initiated the International Workshop on Earth Observation and Remote Sensing Applications (EORSA) in 2008. The intents are three-fold: (1) To build a platform for academic exchanges among researchers from within- and outside-China with interests in Earth observation technologies and remote sensing applications; (2) To promote researches on remote sensing and other geospatial technologies in China and Asia; and (3) To provide an opportunity for international cooperation for researchers and technicians with similar interests. So far, “The International Workshop on Earth Observation and Remote Sensing Applications” has been held four times and 200 to 300 scientists from more than 20 nations participated in the conferences, resulting in a great attention in the Earth Observation and geospatial technologies circle inside and outside China. The first EORSA conference was held in Beijing on June 30-July 1, 2008. The event was sponsored by IEEE Geoscience and Remote

Sensing Society. The first workshop has generated an EI indexed conference proceedings for the registered participants. Furthermore, a special issue at IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS) was published in September 2009, which focuses on remote sensing of regional land use and land cover. The second workshop (EORSA 2012) was held in Tongji University (Siping Road Campus), Shanghai, China, on June 8-11, 2012. This event was jointly organized by Tongji University, Peking University, Nanjing University, and Indiana State University (USA), leading to a special stream at IEEE Geoscience and Remote Sensing Letters with the focus on the Earth observation technologies for regional and global environments. The third workshop (EORSA 2014) was held in Changsha, Hunan Province, in June 11-14, 2014. The fourth workshop (EORSA 2016) was held in Guangzhou, Guangdong Province, July 4-6, 2016. The 2018 International Workshop on Earth Observation and Remote Sensing Applications (EORSA 2018) will be jointly organized by Xi'an University of Science and Technology University, and Chang'an University.

We look forward to your participation, contributing to the success of this meeting.

Overall Theme: Ecological Civilization and Sustainable Development: Contribution of Remote Sensing

- Global change and carbon cycling;
- Land use and land cover;
- Remote sensing of forests and ecosystems;
- Global water cycle remote sensing and ocean remote sensing;
- Urban remote sensing and sustainable development (smart city);
- Big remote sensing data and spatial intelligence;
- Remote sensing of coastal areas and wetlands;
- Remote sensing of air and water quality;
- Technologies and methods for monitoring subsidence of earth surface;
- New data, sensors, algorithms and techniques for detection, interpretation, characterization, and modeling of the Earth surface features.

Timetable:

- First Call for Papers – October 1, 2017
- Second CFP – February 1, 2018
- Final CFP – March 1, 2018
- Abstract submission due – March 15, 2018
- Notification of acceptance – April 15, 2018
- Early registration due – May 1, 2018
- Full paper submission – May 15, 2018
- Pre-conference workshops – June 17, 2018

- Conference: June 18 – 20, 2018

Conference Organizers:

- Xi'an University of Science and Technology
- Chang'an University
- Indiana State University, USA

Sponsors:

- IEEE Geoscience and Remote Sensing Society
- International Society for Photogrammetry and Remote Sensing
- Group on Earth Observations
- National Natural Science Foundation of China
- CRC Press, Taylor and Francis Group

Conference Chairs:

- Honorary Chair: Prof. Guanhua Xu, Ministry of Science and Technology, China
- Honorary Chair: Prof. Jianya Gong, Wuhan University, China
- Chair: Prof. Lin Jiang, Xi'an University of Science and Technology, China
- Co-Chair: Prof. Shugang Li, Xi'an University of Science and Technology, China

Local Organizing Committee:

Co-Chairs:

- Wanqiang Yao, Xi'an University of Science and Technology, China
- Qin Zhang, Chang'an University

Secretariat:

Secretary-General:

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- Jungho Im, Ulsan National Institute of Science and Technology, South Korea
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- Iphigenia Keramitsoglou, National Observatory of Athens, Greece
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- Dengsheng Lu, Michigan State University, USA
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- Bunkei Matsushita, University of Tsukuba, Japan
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- Xin Miao, Missouri State University, USA
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- Wenzhong Shi, Hong Kong Polytechnic University
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- Uwe Stilla, Technical University of Munich, Germany
- Guoqing Sun, University of Maryland, USA
- Xinmin Tang, Satellite Surveying and mapping application center, NASG
- Prasad Thenkabail, USGS, USA
- Xiaohua Tong, Tongji University, China
- Le Wang, State University of New York at Buffalo, USA
- Yeqiao Wang, University of Rhode Island, USA
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- Keqi Zhang, Florida International University, USA
- Liangpei Zhang, Wuhan University, China
- Xianfeng Zhang, Peking University, China
- Yun Zhang, University of New Brunswick, Canada
- Guoqing Zhou, Guilin University of Technology, China
- Yuyu Zhou, Pacific Northwest National Laboratory, USA
- Qing Zhu, Xinan Jiaotong University

Program:

- There will be two kinds of presentations and Q&A: 10 minutes or 20 minutes, depending on numbers of speakers for each of sessions.
- Both oral and poster presentations are welcomed.
- A student paper competition will be held during the EORSA 2018. The winners of the competition will receive a certificate and modest amount of prize, which allows for partial reimbursement of the registration fee.
- A special plenary session (Meeting with Editors) on publishing international peer-refereed journal articles is planned with editors of several well-known international journals as the panelists.
- A special session will be scheduled to focus on global urban remote sensing and smart city. We welcome all researchers who are interested in urban remote sensing to join us, especially for young scholars who have just received a doctorate.

Pre-Conference Workshops:

Internationally renowned scholars will be invited to give lectures on the latest developments in the subject areas of the conference.

Abstract Submission, Post-Conference Publications:

An abstract should be between 400 and 600 words in English, and be saved in Microsoft Word format. Please include title, full name, affiliation, and contact details (e-mail, phone, fax, and regular mailing address) and key words (up to five). Please also indicate your preference for oral or poster presentation.

Each selected participant, based on the result of abstract reviewing by the technical

committee, will have an opportunity to develop a full paper for publishing in *IEEE Xplore* as a conference proceeding. These papers may then be sent to Elsevier for EI indexing.

Selected papers will be recommended to be published in a special stream in *IEEE*. The papers will be peer-reviewed in accordance with the journal's established policies and procedures. The selection of about 20 final papers will be dependent on the results of the peer reviews and evaluation by the guest editors. The final approval of this publication is subject to the negotiation with the editor in chief.

Registration:

- Registration fee for Chinese participants:
2800 Yuan RMB for full registration, 1500 Yuan RMB for students.
- Registration fee for international participants:
\$450 USD for full registration, \$220 USD for students.
- Registration fee of accompanying persons:
\$130 USD, or 800 Yuan RMB.

Please note:

* Students must attach a copy of their Student ID.

** Registration fee for all accompanying persons do not include attendance to any of the EORSA 2018 scientific sessions.

*** Full registration is required before May 1st, 2018, from at least one author of each accepted paper.

Registration fee of participants will cover:

- Attending all EORSA2018 scientific sessions;
- Participation in 2 lunches, 1 dinner, and 1 welcome dinner;
- Admission to the exhibition area;
- EORSA 2018 package;
- Coffee breaks.

Registration fee of accompanying persons will cover:

- Participation in lunches;
- Admission to the exhibition area;
- Coffee breaks.

Registration fee of participants will **not** cover:

- Pre-Conference Workshops: 50 USD or 300 Yuan RMB for each;
- Post-conference publications and potential English editing.

Venue:

Xi'an University of Science and Technology, Xi'an, China.

Contact:

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Conference web site: www.eorsa2018.org

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