The Fourth International Workshop on Earth Observation and Remote Sensing Applications (EORSA 2016)

Call for Papers

Location: Guangzhou, China
Dates: July 4-6, 2016
http://www.eorsa2016.org

Driven by the needs of societal and economic development, geospatial technology has become one of the three emerging technologies in the 21st century. As the frontiers of geospatial technology, 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 paid a great attention to the development of forestry and greatly increased forest cover in the country. However, rapid economic growth and urbanization have resulted in dramatic changes in land use and land cover of China. Especially, urbanization not only increased the built-up areas but also greatly speeded up the decrease of the agricultural lands. The increase of human activities and the increasing development of economy have led to degradation of ecosystems, environmental deterioration, decrease of lakes and wetlands, and the degradation of air and the amount and quality of water, which has made China's sustainable development 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 posed significant challenges to the scientific community. Thus, recent years earth observation and remote sensing based geospatial technologies have been widely applied to monitoring, assessing and analyzing China's and global ecosystems, environments and resources, which provides potential solutions to enhance the understanding of global change.

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 discussing potential international collaboration and cooperation activities for researchers with similar interests. So far, "The International Workshop on Earth Observation and Remote Sensing Applications" has been held for three 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, 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 jointly organized by Central South University of Forestry and Technology, Central South University, and Hunan University of Science and Technology, and held at Changsha, Hunan Province, China, in June 11-14, 2014. Again, a special stream at *IEEE Geoscience and Remote Sensing Letters* was published, which focused on Earth Observation techniques for sustainable development.

The Fourth International Workshop on Earth Observation and Remote Sensing Applications (EORSA 2016) will be held in Guangzhou, July 4-6, 2016. We are expecting a greater success for the EORSA conference series.

Overall Theme: Societal and Economic Benefits of Earth Observation Technologies

- Global change, carbon cycling, and energy systems;
- Remote sensing of urban areas, urbanization, and sustainability;
- Remote sensing of coastal areas and oceans;
- Remote sensing of wetlands and water resources;
- Croplands, rangelands, agricultural systems, and soil studies;
- Remote sensing of forests and ecosystems;
- Remote sensing of atmosphere and air quality;
- Human environmental and infectious diseases;
- Land use, land cover, and regional environmental changes;
- New data and sensors, algorithms and techniques for detection, interpretation, characterization, and modeling of the Earth surface features.

Timetable:

- First Call for Papers – November 15, 2015
- Second CFP – December 15, 2015
- Final CFP – January 15, 2016
- Abstract submission due – January 25, 2016
- Notification of acceptance – February 25, 2016
- Early registration due – March 25, 2016
- Full paper submission – May 1, 2016
- Pre-conference workshops – July 3, 2016
- Conference: July 4-6, 2016

Invited Speakers:

- Prof. Guanghua Xu, Ministry of Science and Technology, China (topic: global change)
- Prof. Deren Li, Wuhan University, China (topic: big data and smart cities)
- Prof. Jing-Ming Chen, University of Toronto, Canada (topic: remote sensing of forests)

- Prof. Jun Chen, National Geomatics Centre of China (topic: global land cover)
- Prof. Kun-Shan Chen, Chinese Academy of Sciences (topic: SAR)
- Prof. Paolo Gamba, University of Pavia, Italy (topic: urban remote sensing)
- Prof. Shunlin Liang, University of Maryland, USA (topic: satellite data products)
- Dr. Hannes Taubenböck, German Aerospace Center (topic: remote sensing of megacities)

Conference Organizers:

- South China Normal University, China
- South China Agricultural University, China
- Indiana State University, USA

Sponsors:

- IEEE Geoscience and Remote Sensing Society
- Group on Earth Observations
- International Society for Photogrammetry and Remote Sensing
- National Natural Science Foundation of China
- Guangdong Society of Remote Sensing and Geographic Information Systems
- Guangzhou University, China
- Guangzhou Institute of Geography, GDAS
- CRC Press / Taylor and Francis Group

Conference Chairs:

- Honorary Chair: Prof. Guanhua Xu, Ministry of Science and Technology, China
- Honorary Chair: Prof. Deren Li, Wuhan University, China
- Honorary Chair: Prof. Qingxi Tong, Peking University, China
- Honorary Chair: Prof. Yaqiu Jin, Fudan University, China
- Chair: Prof. Ming Liu, South China Normal University, China
- Co-Chair: Prof. Hong Zhu, South China Normal University, China
- Co-Chair: Prof. Chun-long Xian, South China Agricultural University, China

Local Organizing Committee:

Co-Chairs:

- Prof. Wei Zhong, South China Normal University
- Prof. Yueming Hu, South China Agricultural University
- Prof. Zhifeng Wu, Guangzhou University, China
- Prof. Shuisen Chen, Guangzhou Institute of Geography, GDAS

Secretariat:

Secretary-General:

- Prof. Fenglei Fan, School of Geography, South China Normal University
- Prof. Zhenhua Liu, College of Natural Resources and Environment, South China Agricultural University
- Prof. Weihong Li, School of Geography, South China Normal University

Members:

- Prof. Zhixiong Mei, School of Geography, South China Normal University
- Prof. Yingchun Fu, School of Geography, South China Normal University
- Prof. Yuqin Shu, School of Geography, South China Normal University
- Prof. Weifei Luo, School of Geography, South China Normal University
- Prof. Weiping Hu, School of Geography, South China Normal University
- Prof. Yishu Liu, School of Geography, South China Normal University
- Prof. Jinqu Zhang, School of Computer, South China Normal University
- Prof. Hui Li, School of Computer, South China Normal University
- Dr. Tao Song, School of Geography, South China Normal University
- Dr. Fengyan Cui, School of Geography, South China Normal University
- Ms. Haixia Zhao, School of Geography, South China Normal University
- Prof. Yilun Liu, College of Natural Resources and Environment, South China Agricultural University
- Prof. Luo Liu, College of Natural Resources and Environment, South China Agricultural University
- Prof. Rui Zhang, College of Natural Resources and Environment, South China Agricultural University
- Prof. Jing Liao, College of Natural Resources and Environment, South China Agricultural University
- Prof. Shudi Fan, College of Natural Resources and Environment, South China Agricultural University

International Advisory Committee:

- Deren Li, Wuhan University, China
- Huadong Guo, Chinese Academy of Sciences, China
- Jianya Gong, Wuhan University, China
- Chenghu Zhou, Chinese Academy of Sciences, China
- Jing M. Chen, University of Toronto, Canada
- Jun Chen, National Geomatics Centre of China
- Hui Lin, Chinese University of Hong Kong
- Manfred Ehlers, Osnabrück University, Germany
- Marguerite Madden, University of Georgia, USA
- Kun-shan Chen, State Key Laboratory of Remote Sensing Science, CAS

Program Committee

Chairs:

- Qihao Weng, Indiana State University, USA (Chair)
- Paolo Gamba, University of Pavia, Italy (Co-Chair)
- Shunlin Liang, Beijing Normal University, China (Co-Chair)
- George Xian, United States Geological Survey, USA (Co-Chair)
- Thomas Esch, German Remote Sensing Data Center, Germany (Co-Chair)
- Peijun Du, Nanjing University, China (Co-Chair)
- Peijun Li, Peking University, China (Co-Chair)
- Bing Zhang, Chinese Academy of Sciences (Co-Chair)
- Bing Xu, Tsinghua University (Co-Chair)
- Xiaoli Ding, Hong Kong Polytechnic University, China (Co-Chair)
- Guangxing Wang, Southern Illinois University - Carbondale (Co-Chair)
- Zhenfeng Shao, Wuhan University, China (Co-Chair)

Members: (to be confirmed)

- Claudia Almeida, National Institute for Space Research - INPE, Brazil
- Paul Aplin, University of Nottingham, UK
- Yifang Ban, Royal Institute of Technology (KTH), Sweden
- Thomas Blaschke, Salzburg University, Austria
- Gang Chen, University of North Carolina at Charlotte, USA
- Jin Chen, Beijing Normal University, China
- Qi Chen, University of Hawai`i at Mānoa, USA
- Xiaoling Chen, Wuhan University, China
- Chengbin Deng, Binghamton University - State University of New York, USA
- Junwei Han, Northwestern Polytechnical University, China
- Yuhong He, University of Toronto, Canada
- Xuefei Hu, Emory University, USA
- Bo Huang, Chinese University of Hong Kong
- Alfredo Huete, University of Technology Sydney, Australia
- Jungho Im, Ulsan National Institute of Science and Technology, South Korea
- Iphigenia Keramitsoglou, National Observatory of Athens, Greece
- Minho Kim, Sangmyung University, South Korea
- Guiying Li, Michigan State University, USA
- Xia Li, Sun Yat-sen University, China
- Zengyuan Li, Chinese Academy of Forestry, China
- Zhilin Li, Southwest Jiaotong University, China
- Zhiwei Li, Central South University, China
- Bingqing Liang, University of Northern Iowa, USA
- Hua Liu, Old Dominion University, USA
- Yong Liu, Lanzhou University, China
- Bunkei Matsushita, University of Tsukuba, Japan
- Xin Miao, Missouri State University, USA
- Giorgos Mountrakis, State University of New York, USA
- Ruiliang Pu, University of South Florida, USA
- Yang Shao, Virginia Tech, USA

- Wenzhong Shi, Hong Kong Polytechnic University, China
- Conghe Song, University of North Carolina at Chapel Hill
- Xiaohua Tong, Tongji University, China
- Uwe Stilla, Technical University of Munich, Germany
- Le Wang, State University of New York at Buffalo, USA
- Cyril Wilson, University of Wisconsin-Eau Claire, USA
- Changshan Wu, University of Wisconsin-Milwaukee, USA
- Abuduwsiti Wulamu, Saint Louis University, USA
- Xiangming Xiao, University of Oklahoma, USA
- Zhixiao Xie, Florida Atlantic University, USA
- Hanqiu Xu, Fuzhou University, China
- Bisheng Yang, Wuhan University, China
- Jian-Sheng Yang, Ball State University, USA
- Qian Yu, University of Massachusetts, USA
- Caiyun Zhang, Florida Atlantic University, USA
- Hongsheng Zhang, Chinse University of Hong Kong
- Keqi Zhang, Florida International University, USA
- Yun Zhang, University of New Brunswick, Canada
- Qiming Zhou, Hong Kong Baptist University
- Yuyu Zhou, Iowa State University, USA
- Bin Zou, Central South University, China

Program:

- There will be two kinds of presentations: 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 2016. 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 major remote sensing journals and CRC Press, Taylor & Francis Group as the panelists.
- A special session is scheduled to focus on **GEO Global Urban Observation Initiative 2016-2025**. We welcome researchers who are interested in urban observation to join us.

Pre-Conference Workshops:

Half-day workshops offer great opportunities for students and young researchers to learn about recent progresses in Earth observation and remote sensing technology.

We invite active researchers to propose workshops on any themes of the conference. The registration fee will be waived for the workshop lecturers.

Abstract Submission:

Please submit your abstract through the following web site:

https://easychair.org/conferences/?conf=eorsa2016

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.

Program committee members - from institutions other than the author's primary affiliation - will review each abstract in terms of appropriateness for the conference themes, significance, originality, methodology, and clarity. The conference program committee chair will notify the outcome of the review.

Post-Conference Publications:

- 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 issue in *Remote Sensing Applications: Society and Environment*. The papers will be peer-reviewed in accordance with the journal's established policies and procedures. The selection of 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.
- Additional special issue in *Remote Sensing* by MDPI is also planned.

Registration:

- ➢ Registration fee for Chinese participants:
  2800 Yuan RMB for full registration, 1400 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.
- ➢ Pre-conference workshops: $50 USD or 300 Yuan RMB per workshop.

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 2016 scientific sessions.
*** Full registration is required before **March 25, 2016**, from at least one author of each accepted paper.
**** Registration does not include fees for post-conference publications and the fee for English editing.

Registration fee of participants will cover:
- Attending all EORSA 2016 scientific sessions;
- Participation in 2 lunches, 2 dinners, and 1 welcome dinner;
- Admission to the exhibition area;
- EORSA 2016 package;
- Coffee breaks.

Registration fee of accompanying persons will cover:
- Participation in 2 lunches, 2 dinners, and 1 welcome dinner;
- Admission to the exhibition area;
- Coffee breaks.

Venue:

The Garden Hotel
Guangzhou, China
Address: 368 Huanshi Dong Lu, Guangzhou, 510064, China
Tel: (86-20) 8333 8989, Fax: (86-20) 8335 0467
E-mail: bc@thegardenhotel.com.cn

Social Events:

EORSA 2016 will offer a unique and breathtaking environment for socializing and interacting with international colleagues and specialists, while enjoying many entertainment and cultural activities that Guangzhou has to offer. The opportunities to travel to other regions of China may also be arranged upon requests. Travel agencies may be invited to help conference participants. The participants will have to take care of all the fees related to travel themselves.

Contacts:

For more information about the conference, please send your enquiry to:
eorsa2016@gmail.com, Or, visit our website at: http://www.eorsa2016.org

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