

The Second International Workshop on Earth Observation and Remote Sensing Applications (EORSA2012)

Call for Papers

Location: Shanghai, China

Dates: June 8-11, 2012

Geospatial Technology is one of the three emerging technologies in the 21st century. Driven by societal and economical needs, Earth observation and remote sensing techniques are now in the frontiers of the geospatial technology, and have received an increasing interest in the academic, government, 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, micro-wave, and hyperspectral remote sensing. Dramatic changes in land use and land cover have occurred in China due to rapid economic growth and urbanization over the past 30 years. Therefore, remote sensing and related technologies have been widely used in recent years for assessing, monitoring, and analyzing ecosystems, environments, and resources. At the mean time, over the past few decades, global change has been gaining increasing attention in the scientific community. The complexity of global change and its interactions with human system pose significant challenges to the scientific community. Applied earth observations and remote sensing technologies with the capability for handling geospatial data and analysis of some complex systems have been extensively and effectively employed for understanding the problems of global change and for providing potential solutions.

The intents for organizing an International Workshop on Earth Observation and Remote Sensing Applications 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.

The first EORSA conference was held in Beijing on June 30-July 1, 2008. The event, sponsored by IEEE Geoscience and Remote Sensing Society, was very successful one, resulting in great attention in the Earth Observation and geospatial technologies circle inside and outside China, with over a hundred participants representing twenty nations in the world. The first workshop has generated an EI indexed conference proceeding for the registered participants. Furthermore, a special issue of IEEE JSTARS was published in September 2009, which focuses on remote sensing of regional land use and land cover. As a result of the workshop, substantial international collaboration and cooperation activities from researchers with similar interests are emerging.

The second workshop (EORSA2012) will be held in Shanghai, China, on June 8-11, 2012. This event is jointly organized by Peking University, Indiana State University (USA), Tongji University, Nanjing University, and Shanghai Association of Science and Technology.

Themes:

Overall theme – Geoinformatics in global changes

- Remote sensing of global and regional environments;
- Land use and land cover change;
- Remote sensing of urban and suburban areas;
- Remote sensing of coastal areas;
- Remote sensing of air quality, water quality, and ecosystems;
- New data and sensors, algorithms and techniques for detection, interpretation, characterization, and modeling of the Earth surface features.

Co-Organizers:

- Peking University, China.
- Indiana State University, USA.
- Tongji University.
- Nanjing University.
- Shanghai Association of Science and Technology.

Sponsors:

- IEEE Geoscience and Remote Sensing Society
- Group on Earth Observation
- International Society for Photogrammetry and Remote Sensing
- Natural Science Foundation of China

Conference Chairs:

- Honorary Chair: Prof. Guanhua Xu, Ministry of Science and Technology, China
- Co-Chair: Prof. Qixing Tong, Peking University, China
- Co-Chair: Prof. Yaqiu Jin, Fudan University, China

Local Organizing Committee:

Co-Chairs:

Peijun Li, Peking University
Peijun Du, Nanjing University
Xiaohua Tong, Tongji University

Jingqiong Laura Hou, Director Assistant, Shanghai International Sci-Tech Exchange

Members:

Xianfeng Zhang, Peking University
Shihong Du, Peking University
Wenzhe Fa, Peking University
Zhou Huang, Peking University
Mei Li, Peking University
Prof. Yi Chen, Tongji University
Prof. Xiaojun Chen, Tongji University
Dr. Peng Chen, Tongji University
Dr. Huan Xie, Tongji University
Yongxue Liu, Nanjing University
Qiu hao Huang, Nanjing University
Liang Chen, Nanjing University

Conference Secretariat:

Secretary General:

Mr. Quanzhi Li, Deputy of International Department, Shanghai Association for Science and Technology

Deputy Secretary-General: Mr. Xing Meng, Director of Shanghai International Sci-Tech Exchange (SISEC)

Project Principal: Ms. Laura Hou, Director Assistant, SISEC

Members:

Ms. Catrina Chen - International Communication/ Media Coordination

Ms. Peggy Gong - International Communication / Conference Coordination

Mr. Stay Jiang - Sponsor Coordination / On-site Registration

Mr. David Xu - On-site Registration/ Exhibition Coordination

International Advisory Committee:

Jing M. Chen, University of Toronto, Canada and Nanjing University, China

Peng Gong, University of California-Berkeley and Tsinghua University

Jianya Gong, Wuhan University

Huadong Guo, Chinese Academy of Sciences

Juha Hyypä, Finnish Geodetic Institute, Finland

Ellsworth LeDrew, University of Waterloo, Canada

Deren Li, Wuhan University

Xiaowen Li, Beijing Normal University

Hui Lin, Chinese University of Hong Kong

Marguerite Madden, University of Georgia

Program Committee:

- Qihao Weng, Indiana State University, USA (Chair)
- Paolo Gamba, University of Pavia, Italy (Co-Chair)
- George Xian, United States Geological Survey, USA (Co-Chair)
- Dale A. Quattrochi, NASA, USA (Co-Chair)
- Thomas Esch, German Remote Sensing Data Center, Germany (Co-Chair)
- Claudia Almeida, National Institute for Space Research – INPE, Brazil
- Thomas Blaschke, Salzburg University, Austria
- Toby Carlson, Penn State University, USA
- Xiaoling Chen, Wuhan University
- Xiuwan Chen, Peking University, China
- Xiaoli Ding, Hong Kong Polytechnic University
- Manfred Ehlers, Osnabrück University, Germany
- Xingfa Gu, Institute of Remote Sensing of Applications, Chinese Academy of Sciences, China
- Geoffrey J. Hay, University of Calgary, Canada
- Martin Herold, ESA GOFD Gold Project Office, Germany
- Alfredo Huete, University of Technology Sydney, Australia
- Yaqiu Jin, Fudan University, China
- Iphigenia Keramitsoglou, Institute for Space Applications and Remote Sensing, Greece
- Carsten Juergens, University of Bochum, Germany
- Jonathan Li, University of Waterloo, Canada
- Manchun Li, Nanjing University, China
- Peijun Li, Peking University, China
- Rongxing Li, Ohio State University, USA
- Zengyuan Li, Chinese Academy of Forestry, China
- Zhilin Li, Hong Kong Polytechnic University
- Shunlin Liang, University of Maryland, USA
- Jiyuan Liu, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Science, China
- Dengsheng Lu, Indiana University, USA
- Derya Maktav, Technical University Istanbul, Turkey
- Janet Nichol, Hong Kong Polytechnic University
- Assefa M. Melesse, Florida International University, USA
- Soe W. Myint, Arizona State University, USA
- Ruiliang Pu, University of South Florida, USA
- Qiming Qin, Peking University, China
- Dar Roberts, University of California, Santa Barbara, USA
- Jean Serra, ESIEE, France
- Jie Shan, Purdue University, USA
- Wenzhong Shi, Hong Kong Polytechnic University
- Uwe Stilla, Technical University of Munich, Germany

- Prasad S. Thenkabail, United States Geological Survey
- Guangxin Wang, University of Southern Illinois at Carbondale
- Le Wang, State University of New York at Buffalo, USA
- Yeqiao Wang, University of Rhode Island, USA
- Bing Xu, Tsinghua University
- Lei Yan, Peking University, China
- Zengwei Yang, United States Department of Agriculture
- Qiming Zeng, Peking University, China
- Jixian Zhang, Chinese Academy of Surveying and Mapping
- Keqi Zhang, Florida International University, USA
- Yun Zhang, University of New Brunswick, Canada
- Chenghu Zhou, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Science, China
- Guoqing Zhou, Old Dominion University, USA

Abstract Submission:

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

Three 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 in mid-March, 2012.

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 Explorer as a conference proceeding. These papers may then be sent to Elsevier for EI indexing.

Further, selected papers will be published in a special issue in *IEEE Journal of Selected Topics in Earth Observation and Remote Sensing Applications* (JSTARS). Papers will be peer-reviewed in accordance with the journal's established policies and procedures. The selection of 18-20 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.

In addition, selected papers will be published in a special issue in *International Journal of Remote Sensing*. Papers will be peer-reviewed in accordance with the journal's established policies and procedures. The selection of 18-20 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.

Program:

- Each speaker will be allocated for 20 minutes for presentation and Q&A.
- Both oral and poster presentations are welcomed.
- Several renowned researchers inside and outside China will be invited to deliver keynote/plenary speeches.
- A special plenary session on publishing international peer-refereed journal articles is planned with editors of several major remote sensing journals as panelists.
- Another special session is scheduled to focus on GEO Global Urban Observation and Information 2012-15 work task, and welcome all researchers interested in urban remote sensing to join.

Pre-Conference Workshops:

Half-day workshops will invite active researchers to lecture on recent progress on the conferences themes.

Timetable:

- Abstract submission due - February 29, 2012
- Notification of acceptance - March 15, 2012
- Full paper submission - April 30, 2012
- Pre-conference registration due - March 31, 2012
- Pre-conference workshops - June 8, 2012
- Conference: June 9-11, 2012

Registration:

Registration fee for Chinese participants:

3000 RMB Yuan for full registration, 1500 RMB Yuan for students.

Registration fee for international participants:

\$450 USD for full registration, \$220 USD for students.

**Students must attach a copy of their Student ID.*

***Registration fee for all accompanying persons do not include attendance to any of the EORSA2012 scientific sessions.*

****Full registration is required before March 31, 2012, from at least one author of each accepted paper.*

Registration fee of participants will cover:

- Attending all EORSA2012 scientific sessions
- Participation in Welcome Reception and lunches
- Admission to the exhibition area
- EORSA2012 package

- Coffee breaks

Registration fee of accompanying persons will cover:

- Participation in Welcome Reception and lunches
- Admission to the exhibition area
- Coffee breaks

Pre-conference workshop: 50 USD or 300 Yuan RMB per workshop.

Registration does not include fees for post-conference publications.

Social Events:

- The workshop will offer a unique and breathtaking environment for socializing and interacting with international colleagues and specialists, while enjoying many entertainment and cultural activities that Shanghai has to offer.
- Opportunities to travel to other regions of China may also be arranged upon requests.

Contacts:

For more information about the workshop, please send your enquiry to:

eorsa2012@gmail.com

Or, visit our website at:

<http://www.eorsa2012.org>

Contacts:

Prof. Peijun Li, Peking University
Institute of Remote Sensing and GIS
School of Earth and Space Sciences
Peking University, Beijing 100871, China
Phone: +86-10-62757364
Fax: +86-10-62757364
Email: pjli@pku.edu.cn

Prof. Peijun Du, Nanjing University
Department of Geographical Information Science
Nanjing University
Phone: +86-13952196497
Email: dupjrs@126.com, dupjrs@gmail.com

Prof. Xiaohua Tong, Tongji University
Department of Surveying and GeoInformatics

Tongji University
1239 Siping Road, Shanghai 200092, China
Phone: 011-86-21-65988851
Fax: 011-86-21-65981085
E-mail: xhtong@tongji.edu.cn

Prof. Qihao Weng, Indiana State University
Center for Urban and Environmental Change
Department of Earth & Environmental Systems
Indiana State University, Terre Haute, IN 47809, USA
Phone: 812-237-2255; Fax: 812-237-8029
E-mail: qweng@indstate.edu, qhweng@gmail.com

Ms. Jingqiong Laura HOU
Assistant Director
Shanghai International Sci-Tech Exchange Center, SAST
SISEC, a window linking SAST inside outside
Fl.12(D-E), Yandang Bldg. 107 Yandang Rd., Shanghai, 200020, China
Phone: +86 21 6141 6469
Fax: +86 21 6327 1590