



5th International Workshop on Web Mapping, Geoprocessing and Services (WebMGS 2017)

Sept 19-20, 2017, during ISPRS Geospatial Week,
Sept 18-22, 2017,

Wuhan, Hubei, China

Website: <http://www.lmars.whu.edu.cn/webmgs2017/>



WebMGS is an important event in the field of web-based GIS, which emphasizes a diverse range of topics related to new web-based developments of geospatial theories, technologies and solutions. The WebMGS workshop series commenced in Como, Italy in 2010, followed by subsequent workshops in Vancouver, Canada in 2011, Xuzhou, China in 2013 and Cagliari, Italy in 2015.

This 5th event will take place in Wuhan, China in 2017 during the ISPRS Geospatial Week. This ISPRS international workshop, co-organized by ISPRS WG IV/4, WG III/8 and WG V/4, will provide a dedicated scientific forum for researchers, professionals, government decision-makers and students to exchange and discuss current and state-of-the-art advances in web-based mapping, geoprocessing, geospatial information services and applications, particularly in dealing with big geospatial data. Researchers will have the



opportunity to share knowledge, exchange scientific ideas and results, and develop long-term research collaborations.

WORKSHOP TOPIC

The theme of this workshop series focuses on web and cloud-based mapping, architectures, services, analytics, ontologies, geovisualization, crowdsourcing/collaboration, technologies, semantics and virtual globes, as well as related social and organizational issues and applications in air pollutions and atmosphere environment. For this particular workshop, the theme will be “Web mapping for big data and analytics”, which will focus on, but is not limited to, the following topics:

- Atmospheric environment ranking/mapping and web-based services
- BIM and GIS for smart cities
- Collaborative GIS and web/cloud-based Geo-design
- Digital globe and web-based spatio-temporal visualization
- Geo-crowdsourcing and volunteered Geographic Information (VGI)
- Geoprocessing on satellite retrievals of ground air pollutions
- Geospatial big data and Web/cloud-based data discovery
- Geospatial cyberinfrastructure for smart cities
- Geospatial information and services for smart cities (energy, environment, transportation, etc.)
- Geospatial web and automatic service chaining
- Geospatial web semantics and ontology
- Human-Machine Interaction for Participative Mapping
- Intelligent and sensor-web driven web mapping
- Mobile and ubiquitous geospatial services and applications
- Neogeography and map mashup
- New cartographic theories & web mapping interfaces
- Open source solutions and open standards/specifications
- Quality of geospatial information service
- Security, privacy, copyright, use policy and usability
- Web services supported online-learning in Remote Sensing, Photogrammetry and GIS



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- Web/cloud-based geo-education and public services
 - Web/cloud-based SDSS and PPGIS

PAPER SUBMISSIONS

Prospective authors are invited to submit papers dealing with original and unpublished research on themes related to the workshop. Accepted papers will be submitted in one of two categories: The International Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, or The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences. Authors must choose which category they would like to submit to.

Full papers submitted for the Annals will be selected following a double-blind peer review process. Papers submitted for the Archives are accepted based on an abstract review process, which, if accepted, are followed by a full paper. All abstracts should be written in English comprising 500–800 words and containing sufficient details for evaluation (including the approach, results and concepts, reasons why it should be considered and why it would be interesting for the audience). Submitted papers will be refereed for quality, originality and relevance by the Program Committee. All papers should be formatted as per ISPRS author's guidelines that can be accessed at <http://www.isprs.org/documents/orangebook/app5.aspx>. Please note that a paper not accepted for the Annals can still be included into the Archives with the agreement of the author(s). Accepted papers will be published in the conference proceedings provided at least one author is registered for the conference before the early registration date. Selected papers will be invited to be extended for peer-review with possible publication in a journal special issue. Please submit your paper using the conference tool via the easychair website (<https://easychair.org/conferences/?conf=webmgs2017>).



KEYNOTE SPEAKERS



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IMPORTANT DATES

Archives:

Abstracts (to be reviewed) due: April 15, 2017

Acceptance notification: May 15, 2017



Full papers: June 15, 2017

Annals:

Full papers (to be reviewed) due: April 15, 2017

Acceptance notification: May 15, 2017

Final revised Annals full papers: June 15, 2017

Early registration date: May 31, 2017

Normal online registration due: Sep 16, 2017

COMMITTEES

Organizing ISPRS Working Groups

- ISPRS WG IV/4: Collaborative Crowdsourced Cloud Mapping (C³M)
- ISPRS WG III/8: Remote Sensing of Atmospheric Environment
- ISPRS WG V/4: Web-based Resource Sharing for Education and Research

Steering Committee

- Maria Antonia Brovelli (WG IV/4, Chair), Politecnico di Milano, Italy (maria.brovelli@polimi.it)
- Suzana Dragičević, Simon Fraser University, Canada (suzanad@sfu.ca)
- Songnian Li (ISPRS Treasurer), Ryerson University, Canada (snli@ryerson.ca)
- Bert Veenendaal (WG IV/4, Co-Chair), Curtin University, Australia (b.veenendaal@curtin.edu.au)
- Lixin Wu (WG III/8, Chair), Central South University, China (awulixin@263.net)

Program Committee

Workshop Chair:

- Lixin Wu (WG III/8, Chair), Central South University, China (awulixin@263.net)

Members:

- Ansgar Brunn (WG V/4, Chair), University of applied sciences Wuerzburg-Schweinfurt, Germany



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- Berk Anbaroglu (WG V/4, Co-Chair), Hacettepe University, Turkey
 - Harish Karnatak (WG V/4, Secretary), Indian Space Research Organization, India
 - Heather Leason (WG IV/4, Co-Chair), Humanitarian OpenStreetMap Team, CrisisMappers Network
 - Hui Yang, China University of Mining and Technology, China
 - Hao Wu (ICWG IV/III, Co-Chair), National Geomatics Center of China, China
 - Wei Tu (WG IV/10, Co-Chair), Shenzhen University, China
 - Mila N. Koeva (WG IV/10, Co-Chair), University of Twente, Netherlands

Local Organizing Committee

Chair:

- Zhipeng Gui (WG V/4, Co-Chair), Wuhan University, China (zhipeng.gui@whu.edu.cn)

Members:

- Huayi Wu, Wuhan University, China
- Xiaoguang Zhou, Central South University, China
- Bin Zou, Central South University, China
- Kai Qin (WG III/8, Secretary), China University of Mining and Technology
- Hanwu Zhang, Jiangxi Normal University, China
- Xiaoqiang Cheng, Hubei University, China
- Kunlun Qi, China University of Geosciences (Wuhan), China

REGISTRATION:

Registration for “ISPRS WebGSM 2017” is handled through the website of the ISPRS Geospatial Week 2017 at <http://gsw2017.3snews.net/>. Please visit the website also for any additional information, such as venue and travel information, nearby accommodation, and the full conference and exhibition program.

VENUE

East Lake International Conference Center (EL-ICC)



The East Lake International Conference Center (EL-ICC) is a large building with an area of 31,000m² inside the beautiful East Lake Park, 5km from WHU campus. There are 32 conference rooms of various sizes; the largest one can hold 1350 people. The EL-ICC has 210 hotel rooms (five star) with matching food services. Within 1km of EL-ICC, there are Chutian Yuehai Hotel (five star), Guochuang Chuyuan Hotel (four star), Binghu Hotel (four Star), Yester Hotel (four star), business hotels and even guest houses (as low as \$10 per night for a bed) etc. There are more than 1500 hotel rooms within 5km of the EL-ICC. Attractions such as the Hubei Province Museum are within walking distance of the EL-ICC.



PAST WORKSHOPS

4th International Workshop on Pervasive Web Mapping, Geoprocessing and Services (WebMGS 2015), Sardinia, Italy, 1 to 3 July 2015

3rd International Workshop on Pervasive Web Mapping, Geoprocessing and Services (WebMGS 2013), Xuzhou, Jiangsu, China, 11 to 12 November 2013

2nd International Workshop on Pervasive Web Mapping, Geoprocessing and Services (WebMGS 2011), Burnaby, British Columbia, Canada, 10 to 12 August 2011

1st International Workshop on Pervasive Web Mapping, Geoprocessing and Services (WebMGS 2010), Como, Italy, 26 to 27 August 2010