



Preliminary call for Papers
15th International Symposium on
Web and Wireless Geographical
Information Systems
W²GIS 2017
May 8,9 2017, Shanghai, China
<https://w2gis2017.sciencesconf.org/>



Symposium Chairs

D. Brosset, Naval Academy Research Institute, France
C. Claramunt, Naval Academy Research Institute, France
X. Li, East China Normal University, China

Local Chairs

Y. Chen, Shanghai Maritime University, China
Q. Hu, Shanghai Maritime University, China
T. Wang, Shanghai Maritime University, China

Steering Committee

M. Bertolotto, University College Dublin, Ireland
J.D. Carswell, Dublin Institute of Technology, Ireland
C. Claramunt, Naval Academy Research Institute, France
M. Egenhofer, NCGIA, USA
J. Gensel, University of Grenoble, France
K.J. Li, Pusan National University, Korea
S. Liang, University of Calgary, Canada
K. Sumiya, Kwansei Gakuin University, Japan
T. Tezuka, Tsukuba University, Japan
C. Vangenot, University of Geneva, Switzerland

Program Committee

M. Arikawa, University of Tokyo, Japan
A. Ballatore, University of London, United Kingdom
S. Bell, University of Saskatchewan, Canada
A. Bouju, University of La Rochelle, France
E. Camossi, CMRE, Italy
M.L. Damiani, DICO - University of Milan, Italy
M.R. Delavar, University of Tehran, Iran
T. Devogele, University of Tours, France
M. Duckham, RMIT University, Australia
Z. Fang, Wuhan University, China
F. Ferrucci, University of Salerno, Italy
A. Frihida, ENIT, Tunisia
R. Güting, Fernuniversität Hagen, Germany
B. Huang, Chinese University of Hong Kong
H. Huang, University of Zurich, Switzerland
Y. Ishikawa, Nagoya University, Japan
C.S. Jensen, Aalborg University, Denmark
S. Li, Ryerson University, Canada
Y. Liu, Peking University, China
H. Lin, The Chinese University of Hong Kong
M. R. Luaces, University da Coruna, Spain
G. MacArdle, University College, Dublin, Ireland
S. di Martino, University of Napoli, Italy
F. Mata, National Polytechnic Institute, Mexico
S. Mustiere, IGN, France
K. Patroumpas, Athena Research Center, Greece
D. Pfoser, George Mason University, USA
M. Raubal, ETHZ, Switzerland
C. Ray, Naval Academy Research Institute, France
K.-F. Richter, Umea University, Sweden
A. Ruas, IFSTTAR, France
M. Schneider, University of Florida, USA
Y. Theodoridis, University of Piraeus, Greece
M. Tomko, The University of Melbourne, Australia
M. Villanova-Oliver, University of Grenoble, France
A. Voisard, Fraunhofer ISST and FU Berlin, Germany
X. Wang, University of Calgary, Canada
R. Weibel, University of Zurich, Switzerland
S. Winter, The University of Melbourne, Australia
A. Zipf, University of Heidelberg, Germany

Topics

The recent advances on the developments of Wireless and Internet technologies have generated increasing interest in the diffusion and processing of geo-referenced data. Wireless and Internet devices also offer new ways of accessing and analyzing geo-spatial information. Consequently, new challenges and opportunities have been provided to the GIS research community.

This Symposium is intended to provide an up-to-date review of advances in recent development of Web and Wireless Geographical Information Systems (W²GIS). It is the 15th in a series of successful events beginning with Kyoto 2001, and mostly alternating locations between East Asia and Europe, with the most recent event held in Grenoble, France. We invite submissions that address both theoretical and technical issues of W²GIS. Reports on implementations are particularly welcome. Suggested topics include, but are not limited to as long as they address issues related to W²GIS and location-based services:

- *Geospatial databases and spatio-temporal data management*
- *Mobile spatial interaction*
- *Spatial search, GeoWeb search engines and services*
- *Spatially embedded social networks and the Web*
- *On-line spatial data mining*
- *GeoSensor data acquisition, processing, management and analysis*
- *Smart environments, Internet of Things and ambient spatial intelligence*
- *Exploratory cartography and Web and wireless geo interfaces*
- *Advanced GIS visualization techniques for Web and mobile applications*
- *Cyber-geography & augmented reality*
- *Map personalization and adaptation*
- *3D modelling of cityscapes for location-based services*
- *Location-based service applications in both real-world and virtual spaces*
- *Ubiquitous and wireless GIS*
- *Security, privacy, and usability issues of Web and wireless environments*
- *Semantic geospatial Web and interoperability*
- *Telematics and GIS applications*
- *User studies and evaluations of online geo services*
- *Indoor and outdoor wayfinding and navigation*
- *Volunteered Geographic Information and crowdsourcing on the Web*

Authors are invited to submit full, original, unpublished research papers. Each paper must be written in English, should be submitted in PDF and formatted using the Springer camera-ready templates available at: <http://www.springer.com/computer/lncs>

Submissions are limited to 16 pages and should be uploaded through the submission site at: <https://easychair.org/conferences/?conf=w2gis2017>. All submissions will be refereed for quality, originality, and relevance by the Program Committee. Accepted papers will be published in the Springer LNCS series. A selection of best papers will be considered for a special issue of a journal publication.

Important Dates

- December 15, 2016 – Full paper submission
- January 25, 2017 – Notification of acceptance
- February 15, 2017 – Camera-Ready copy due