



# Call for Research Papers

## 11<sup>th</sup> International Symposium on Web and Wireless Geographical Information Systems W<sup>2</sup>GIS 2012



April 12-13, 2012 – Naples, Italy

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A. Peron, University of Naples "Federico II", Italy  
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### 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 (W<sup>2</sup>GIS). W<sup>2</sup>GIS 2012 is the 11<sup>th</sup> in a series of successful events alternating locations between East Asia and Europe. We invite submissions that address both theoretical and technical issues of W<sup>2</sup>GIS. Reports on implementations are particularly welcome. Suggested topics include, but are not limited to (as long as they address issues related to W<sup>2</sup>GIS):

- GeoSpatial databases, spatial search, data mining
- Mobile spatial interaction
- GeoWeb search engines and services
- GeoSocial Networks
- Spatio-temporal Data Management
- GeoSensor data acquisition, processing and analysis
- Smart environments and ambient spatial intelligence
- Exploratory cartography and interfaces
- 3D modelling of cityscapes for LBS
- LBS applications in both real-world and virtual spaces
- Security, privacy, and usability
- Cyber-geography & augmented reality
- Semantic geospatial web
- Intelligent Media structure, interaction, and distribution
- Telematics and GIS applications
- Ubiquitous and wireless GIS
- Map personalization and adaptation
- User studies and evaluations
- Indoor and outdoor locating, wayfinding, and navigation
- Volunteered Geographic Information
- Advanced GIS visualization techniques for Web and mobile applications

Accepted papers will be published in the [Springer Lecture Notes in Computer Science](#) series. Each paper must be written in English, should be limited to 6000 words, and submitted in PDF format. Authors please refer to [www.springer.com/lncs](http://www.springer.com/lncs) for formatting template. Each paper must include a short abstract and a list of keywords indicating subject classification. Acceptance of a paper means an obligation for at least one of the authors to attend the conference and present the paper. A selection of best papers will be considered for a special issue of a journal publication.

### Important Dates

- October 31, 2011 – Full paper submission
- November 30, 2011 – Notification of acceptance
- December 10, 2011 – Camera-Ready copy due



Web Site: [www.w2gis.org](http://www.w2gis.org)