

Call for Research Papers

11th International Symposium on Web and Wireless Geographical Information Systems W²GIS 2012

April 12-13, 2012 – Naples, Italy

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.

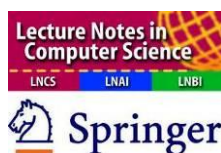
This Symposium is intended to provide an up-to-date review of advances in recent development of Web and Wireless Geographical Information Systems (W²GIS). W2GIS 2012 is the 11th in a series of successful events alternating locations between East Asia and Europe, with both the first and the most recent event held in Kyoto, Japan. 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, 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 locationing, 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 for formatting template. 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

- November 30, 2011 – Full paper submission
- January 15, 2012 – Notification of acceptance
- January 31, 2012 – Camera-Ready copy due



Symposium Chairs

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A. Peron, University of Naples "Federico II", Italy
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Web Site: www.w2gis.org