

December 7-8, 2009, National Centre for Geocomputation (NCG), NUI Maynooth, Ireland

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Symposium Website

www.stratag.ie/w2gis2009

Topics

The continuing advances in the development of Wireless and Internet technologies generate ever increasing interest in the diffusion, usage, and processing of geo-referenced data of all types - *geomedia*. Spatially aware wireless and Internet devices also offer new ways of accessing and analyzing geo-spatial information in both real-world and virtual spaces. Consequently, new challenges and opportunities have been provided that expands the traditional GIS research scope into the realm of *Intelligent Media* - including *geomedia* with context-aware behaviours for self-adaptive use and delivery. Our common aim is research-based innovation that increases the ease of creating, delivering and using *geomedia* across different platforms and application domains that continue to have dramatic effect on society.

The 2009 Symposium, hosted by the National Centre for Geocomputation in NUI Maynooth (Ireland), 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 9th in a series of successful events beginning with Kyoto 2001, and alternating locations between East Asia and Europe, with the most recent event held in Shanghai, China. We invite submissions that address theoretical, technical, and practical issues of W²GIS and Intelligent GeoMedia. Reports on ongoing implementations and applications research are particularly welcome. Suggested topics should address research & development issues related to W²GIS and/or Intelligent GeoMedia applications:

- Conceptual and logical models for geocomputation
- GeoSpatial database, spatial search, data mining
- GeoWeb search engines and services
- GeoSensor data acquisition, processing and analysis
- Smart environments and ambient spatial intelligence
- 2D and 3D visual analytics
- 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
- Mobile spatial interaction and GeoICT
- Telematics and GIS applications
- Ubiquitous and wireless GIS
- Map personalization and adaptation
- Indoor and outdoor locationing, wayfinding, and navigation

Accepted papers will be published in the [Springer Lecture Notes in Computer Science](#) series. A best paper award will be invited for extended Journal publication in [Transactions in GIS](#). Each paper must be written in English, should be limited to 6000 words, and submitted in a PDF file. Each paper must include a short abstract and a list of keywords indicating subject classification. The full names and addresses of the authors should be printed only on the title page. The author who is the contact person should be identified as such. Acceptance of a paper means an obligation for at least one of the authors to present the paper at the conference venue. Authors can refer to www.stratag.ie/w2gis2009 for detailed formatting instructions, submission information and to contact symposium chairs.



Important Dates

- June 30, 2009 – Full paper submission
- September 1, 2009 – Notification of acceptance
- September 15, 2009 – Camera-Ready copy due

