



## Third Call for Papers

# Academic Track of GeoWeb 2009 – Cityscapes

Vancouver, Canada

July 27–31, 2009

GeoWeb 2009 is the 8<sup>th</sup> conference in an annual series which started under the title of GML Days back in 2002. GeoWeb focuses on the convergence of GIS and the Internet, and the economic potential associated with the convergence of XML, web services and GIS. In 2009, a new Academic Track will be held within the GeoWeb Conference that is dedicated to the presentation of research results in all scientific fields related to 3D Cityscapes.

### Organizations

The Academic Track of the GeoWeb 2009 conference is co-organized by the three Working Groups III/4, IV/8, and IV/5 of the International Society for Photogrammetry and Remote Sensing (ISPRS), Galdos Systems Inc., and Simon Fraser University.



### Scope

The main theme of GeoWeb 2009 is 3D Cityscapes, riding on the growing importance and technological and research advances in 3D modelling, data acquisition, data processing, and visualization. Relevant current research on 3D Cityscapes shall be presented and discussed from, among others, the fields of geoinformation science, computer graphics, architecture and civil engineering, photogrammetry and remote sensing, computer vision, computer games, and simulation. All submitted papers to the Academic track will be peer reviewed and all accepted papers will be published in the conference proceedings. Selected papers of high quality will be invited for journal publication. Accepted papers are expected to contribute to the state of the art in support of city modeling including in particular 3D structure design, semantic modeling, model acquisition, visualization, and analysis.

Conference topics include, but are not limited to:

- 3D modeling techniques from Computer Graphics, CAD, and GIS for cityscapes
- GIS and CAD integration
- Procedural modeling
- Semantic and thematic modeling for 3D city and landscape models
- Extension of Building Information Models to cityscapes
- 3D data integration (digital elevation models and 3D objects; datasets from different providers; homogenization)

- Information integration in digital cities
- Automatic and semi-automatic methods for city model acquisition
- Interpretation of city objects in images and laser data
- Rapid mapping of 3D city models
- Multiple representations: multi-scale (levels of detail), versions, history
- 3D geoinformation systems and 3D geodatabases
- Collaboration frameworks
- Immersive visualization and virtual worlds
- (Urban) data mining in 3D city models
- City models in computer games and simulators
- New applications of virtual 3D city and landscape models (e.g., energy, environment)
- Interoperability and standardization

The Academic track will be an integrated part of the GeoWeb 2009 conference. Participants of the Academic Track will pay a discount conference rate, competitive with other related conferences in the fields.

## Paper Submission

You are invited to submit your full paper for review by March 31, 2009. Submission of a paper abstract is due one week earlier.

Manuscripts have to be formatted according to the ISPRS document template and may not exceed 8 pages. The template can be downloaded from the GeoWeb conference website at <http://www.geowebconference.org>. The paper submission procedure will be handled by CMT, a conference management system kindly provided by Microsoft Research. Authors are requested to submit their abstracts and manuscripts on the following website:

<https://cmt.research.microsoft.com/GEOWEB2009/>

Submitted papers will be peer reviewed by members of the program committee. Authors of accepted papers will be notified by May 5, 2009. Accepted papers will be included in the conference proceedings, which will be published as CDROM and Internet publication within the ISPRS International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences Series. Selected papers will be published in scientific journals in the fields of geoinformation science and computer graphics; more details will be announced.

## Important Dates

- |   |                             |                |
|---|-----------------------------|----------------|
| • Submission of abstracts:                | <b>(Deadline extended!)</b> | April 7, 2009  |
| • Submission of full papers:              | <b>(Deadline extended!)</b> | April 14, 2009 |
| • Notification of acceptance:             |                             | May 19, 2009   |
| • Submission of camera-ready manuscripts: |                             | June 15, 2009  |

## Program Committee Chairs

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- Michael Wimmer, Vienna Institute of Technology, Austria
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## **General Conference Chair & Local Organization**

Ron Lake, Galdos Systems Inc., Vancouver, Canada

## **Further information**

Further and up-to-date information is given at [www.geowebconference.org](http://www.geowebconference.org).