

Announcement and Call for Papers

ISPRS Workshop on Multiple Representation and Interoperability of Spatial Data

February 22 - 24, 2006

at Institute for Cartography and Geoinformatics
University of Hanover, Germany

www.ikg.uni-hannover.de/isprs/workshop.htm

Workshop Scope and Objectives:

Geospatial data and processes can only be fully understood when they are explored taking their thematic and spatial multi-dimensionality into account. Furthermore, different scales reveal different aspects of the underlying structures and processes that are of crucial importance for all applications. These issues are relevant for all kinds of spatial data, namely raster, vector and surface data, but also verbal expressions. A topic of growing importance is the availability of data and services via the internet. The workshop intends to bring together researchers dealing with semantic and geometric data integration, data representation in Multiple Representation Database (MRDB) structures, as well as generating and exploiting the links between multiply represented objects.

Background:

The workshop is arranged by the ISPRS working groups:

- II/3: Multiple Representation of Image and Vector Data
- II/6: System Integration and Interoperability

Important Dates:

Submission of full paper:	15. November 2005
Notification of acceptance:	20. December 2005
Submission of improved paper:	27. January 2006

Submission Guidelines:

Full papers must be written in English and formatted according to the ISPRS guidelines. The length of the papers is between 6 and 10 pages, including all figures and references. There is a word template file.

You are kindly invited to submit your full paper in PDF-format by e-mail to
isprs_ws@nateko.lu.se

Topics of Interest:

This workshop aims at presenting the state-of-the-art and trends in the handling and integration of multiple representation spatial data. Topics to be presented and discussed during the workshop address (but are not limited to):

- Formal representation of geospatial information and knowledge
- Geospatial ontologies
- Semantic geospatial database integration
- Semantic geospatial service integration
- Generalization and data abstraction of vector, raster and surface data, and textual descriptions
- Object representation for multiple representation and multi-scale databases
- Matching of image and vector data in different scales and themes
- Multiple representation analysis tools
- Geo-Web-Services for data generalization and data integration

All submitted papers will be reviewed in a double-blind fashion for quality, originality and relevance by the Scientific Committee.

Proceedings:

The papers will be published in the International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences of the ISPRS. The proceedings will be available at the workshop; digital versions of it will be published on the web-site already before the workshop.

Workshop Programme:

The workshop will include keynote speeches and presentations. Special emphasis will be given to the discussions. In order to facilitate this, the papers will be available on the web-site beforehand, so that they can be read by the participants and the presentation time can be shifted in favor of discussions.

Organizing Committee:

WG II/3 Monika Sester, <i>University of Hannover, Germany</i> Lars Harrie, <i>Lund University, Sweden</i> Mark Hampe, <i>University of Hannover, Germany</i>	WG II/6 Marinos Kavouras, <i>National Technical University of Athens, Greece</i> Stephan Winter, <i>The University of Melbourne, Australia</i> Margarita Kokla, <i>National Technical University of Athens, Greece</i>
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Scientific Committee:

Thomas Bittner, SUNY Buffalo, USA
Wolfgang Förstner, Bonn, Germany
Lars Harrie, Lund, Sweden
Christian Heipke, Hannover, Germany
Marinos Kavouras, Athens, Greece
William Mackaness, Edinburgh, UK
Helmut Mayer, München, Germany
Anne Ruas, Paris, France
Monika Sester, Hannover, Germany
Emmanuel Stefanakis, Greece
Robert Weibel, Zürich, Switzerland
Stephan Winter, Melbourne, Australia
Esteban Zimanyi, Brussels, Belgium

Additional Information:

More information about the workshop and the venue, including travel and hotel information will be published on the website in time.

Please direct any inquiries regarding the workshop to
mark.hampe@ikg.uni-hannover.de

Organized by:

ISPRS Working Group II/3: Multiple Representation of Image and Vector Data
www.commission2.isprs.org/wg3

ISPRS Working Group II/6: System Integration and Interoperability
www.commission2.isprs.org/wg6