

**First International Conference on Geospatial Semantics (GeoS 2005)**  
**November 29-30, 2005, Mexico City, Mexico**  
<http://www.geosco.org>

**CALL FOR PAPERS**

**Purpose and Scope**

GeoS 2005 aims at providing a timely forum for the exchange of state-of-the-art research results in the areas of modeling and processing of geospatial semantics. Geospatial semantics play an important role for next-generation spatial databases and geographic information systems, as well as specialized geospatial web services. This conference will bring together researchers whose expertise will address such issues as:

- Theories for geospatial semantic information
- Formal representations for geospatial data
- Models and languages for geo-ontologies
- Alignment and integration of geo-ontologies
- Integration of semantics into spatial query processing
- Similarity comparisons of spatial datasets
- Ontology-based spatial information retrieval
- Ontology-driven GIS
- Geospatial Semantic Web
- Multicultural aspects of spatial knowledge

**Paper Submissions**

Authors are invited to submit full papers of approx. 15 single-spaced pages, in English, formatted in Springer's Lecture Notes in Computer Science style (<http://www.springer.de/comp/lncs/authors.html>). Papers, formatted in PDF, must be submitted through the conference web site (<http://www.geosco.org>). At least three members of the Program Committee will evaluate each paper based on scientific significance, relevance to the conference, novelty, relation to previously published literature, and clarity of presentation. The GeoS 2005 proceedings will be published as a volume in Springer's LNCS series.

**Venue**

GeoS 2005 will be held at the Centro de Investigación en Computación (CIC) in Mexico City (<http://www.cic.ipn.mx>). The conference site has a spectacular view of the Popocatepetl volcano, which will be snow-covered in late November. November is the best time of the year for traveling to Mexico City with typically clear weather, moderate temperatures, and a deep blue sky.

### **Important Dates**

Papers submission June 1, 2005

Notification of acceptance August 1, 2005

Submission of camera-ready papers August 22, 2005

Conference November 29-30, 2005

### **General Chair**

Sergei Levashkin, Centro de Investigación en Computación, Mexico City, Mexico

### **Program Co-Chairs**

M. Andrea Rodriguez-Tastets, Universidad de Concepción, Chile

Isabel F. Cruz, University of Illinois at Chicago, USA

Max J. Egenhofer, University of Maine, USA

### **Local Organizing Committee, Centro de Investigación en Computación, Mexico City, Mexico**

Miguel Torres (chair)

Marco Moreno

Rolando Quintero

Giovanni Guzmán

### **Program Committee**

Naveen Ashish, NASA Ames Research Center, USA

Brandon Bennett, University of Leeds, UK

Stefano Borgo, Laboratory for Applied Ontology, Italy

Gilberto Camara, INPE, Brazil

Clodoveu Davis Jr., Pontificia Universidade Catolica de Minas Gerais, Brazil

Frederico Fonseca, The Pennsylvania State University, USA

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Christian Freksa, University of Bremen, Germany

Mark N. Gahegan, The Pennsylvania State University, USA

Adolfo Guzman-Arenas, National Polytechnic Institute, Mexico

Stephen C. Hirtle, University of Pittsburgh, USA

Kathleen Hornsby, University of Maine, USA

Christopher B. Jones, Cardiff University, UK

Marinos Kavouras, National Technical University of Athens, Greece

Craig Knoblock, University of Southern California, USA

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Werner Kuhn, University of Muenster, Germany

Marco Painho, University of Lisbon, Portugal

Sudha Ram, University of Arizona, USA

Jose Ruiz-Shulcloper, Centro de Aplicaciones de Tecnologías Avanzadas, Cuba

Shashi Shekhar, University of Minnesota, USA

Amit Sheth, University of Georgia, USA

Barry Smith, Saarland University, Germany, and University at Buffalo, USA

Stefano Spaccapietra, Swiss Federal Institute of Technology - Lausanne, Switzerland

Stephan Winter, University of Melbourne, Australia

Michael F. Worboys, University of Maine, USA

