

CALL FOR PAPERS

Fourth International Conference on Geospatial Semantics (GeoS 2011)

12-13 May 2011, Brest, France

www.geosco.org

Purpose and Scope

GEOspatial Semantics (GEOS) is an emerging research area in the domain of geographic information systems and spatial databases. The fourth edition of GeoS aims at providing a forum for the exchange of state-of-the-art research results in the areas of modeling and processing of geospatial semantics. It has been largely recognized that geospatial semantics play an important role for the development of next-generation spatial databases and geographic information systems, as well as specialized geospatial web services.

The previous editions of the conference – GeoS 2005, GeoS 2007, and GeoS 2009 in Mexico City, Mexico www.geosco.org have attracted all together about 120 submissions, from which 40 regular and 8 short articles have been published in Volumes 3799, 4853, and 5892 of the Lecture Notes in Computer Science respectively. People from 35 countries and 5 continents have attended previous GeoS conferences. The fourth edition GeoS 2011 is moving to Europe! It will be held 12-13 May 2011 in Brest, France the day after IF&GIS 2011 conference and under the umbrella of the Safer Seas 2011 conference.

GeoS traditionally brings together researchers whose expertise will address issues such as, but not limited to as far as they address geospatial semantics issues:

- Cognitive aspects of geospatial semantics
- Multicultural aspects of geospatial knowledge
- Geospatial ontologies
- Ontology-driven GIS
- Geospatial semantic models
- Models and languages for geo-ontologies
- Alignment and integration of geo-ontologies
- Formal representations of geospatial data
- Geospatial data integration and fusion
- Geospatial semantics-based approaches for query processing
- Geospatial information retrieval
- Geospatial semantics similarity
- Geospatial semantic Web
- Ontology-based visualization of geospatial data
- Conceptual models of dynamic geospatial environments
- Geospatial artificial intelligence
- Computational geospatial approaches

- Real-time geospatial systems
- Techniques to reduce geospatial information overload
- Context-based approaches for geospatial semantic information
- Context-based adaptation in GIS
- Personalization of geospatial semantic services

Papers Submission

Authors are invited to submit full papers of approx. 18 single-spaced pages, in English, formatted in Springer's Lecture Notes in Computer Science style (www.springer.de/comp/lncs/authors.html). Papers, formatted in PDF, must be submitted through the conference web site (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 2011 proceedings will be published as a volume in Springer's LNCS series.

Venue

The city of Brest is located on the very edge of Europe in northwest France. As the second largest town in the region of Brittany, Brest is sheltered by a large natural harbor known as "La Rade de Brest".

Le Quartz, Brest's Conference Centre and National Theatre is located in the heart of the town of Brest, and has hosted a wide range of national and international events since it opened in 1988.

Important Dates

Papers submission: November, 30th, 2010

Notification of acceptance: January, 10th 2011

Submission of camera-ready papers: February, 10th, 2011

Registration: April, 25th, 2011 (early birds February 25th, 2011)

Conference: May 12 and 13, 2011

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