



CALL FOR PAPERS



12th ACM International Symposium on Advances in Geographic Information Systems

ACM GIS 2004

The 12th International Symposium of ACM GIS will take place in Washington D.C. on November 12-13th, 2004. It is the twelfth of a series of symposia/workshops that began in 1993 with the aim of bringing together researchers, developers, users, and practitioners carrying out research and development in novel systems based on geo-spatial data and knowledge, and fostering interdisciplinary discussions and research in all aspects of geographic information systems. The symposium will provide a forum for original research contributions and practical system design, implementation, and applications of GIS. ACM GIS 2004 will be held in conjunction with the 13th International Conference on Information and Knowledge Management (ACM CIKM 2004).

Topics of interest include but are not limited to the following:

- Computational geometry
- Data mining
- Data modeling
- Data quality
- Geosensor networks
- Geospatial data versioning
- Wireless networks
- Graphical aspects
- Image databases
- Interoperability and standards (incl. metadata and ontologies)
- Languages for metadata management
- Large-scale servers
- Location-based services
- Management of raster and vector data
- Middleware architectures
- Mobile and distributed computing
- Multiple representations
- Novel and challenging applications
- Performance evaluation and Benchmarking
- Query processing and optimization
- Real-time spatio-temporal applications
- Similarity search
- Spatial and spatiotemporal indexing
- Spatial reasoning
- Traffic telematics
- Virtual reality and 3D
- Visual query languages
- Web applications

Authors are invited to submit full papers (in English, not exceeding 5000 words) reporting original and unpublished research results on the above and other related topics are solicited. All submitted papers will be refereed for quality, originality and relevance by the Program Committee. The acceptance/rejection of the papers will be based on the review results. All questions should be addressed to the program committee co-chairs.

The program committee co-chairs:

Isabel F. Cruz	University of Chicago, USA	(ifc@cs.uic.edu)
Dieter Pfoser	Computer Technology Institute, Athens, Greece	(pfoser@cti.gr)

Important dates (all deadlines are firm):

Abstract Submission:	May 17, 2004
Full Paper Submission:	May 24, 2004
Notification of Acceptance:	August 10, 2004
Camera-ready version:	September 1, 2004
Symposium Date:	November 12-13, 2004

The official conference website at <http://acmgis2004.cti.gr> should be referred to for further details.