Invitation

In 2006, ACM–GIS comes full circle and returns to where it started: Arlington, Virginia. The 2006 International Symposium of ACM GIS will be the fourteenth 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 in which geospatial data, information and knowledge is central. The symposium has a tradition of fostering interdisciplinary discussions and research in all aspects of geographic information systems. It provides a forum for original research contributions and practical system design, implementation, and applications of spatial database technology and GIS.

Topics of interest

Authors are invited to submit full papers (in English, not exceeding 8 pages, using ACM SIG templates as referred to on the website) reporting original and unpublished research results on the topics below or related ones. 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 chair.

A first submission should be in the form of an abstract that provides sufficient detail to allow the program committee to assess the merits of the paper, and assign it to reviewers. Submitted abstracts should be no longer than 300 words.
Topics of interest include but are not limited to the following:

- Computational geometry
- Middleware architectures
- Spatial data mining
- Mobile and ubiquitous computing
- Data modeling and system design methods
- Multiple representations
- Data quality
- Novel and challenging applications
- Geosensor networks
- Performance evaluation and Geospatial data versioning Benchmarking
- Query processing and optimization
- Spatial and spatiotemporal indexing (incl. metadata and ontologies)
- Graphical aspects
- Tracking of mobile objects
- Real-time spatio-temporal applications
- Location-based services
- Privacy management for location-based services
- Image databases
- Similarity search
- Metadata management for data quality
- Spatial data integration and public data repositories
- Interoperability and standards
- Spatial reasoning
- Traffic and transportation telematics
- Virtual reality and 3D
- Visual query languages
- Management of raster and vector data
- Web applications

ACM-GIS 2006 will be held in conjunction with the 14th International Conference on Information and Knowledge Management, CIKM 2006.

**Important dates**

- Abstract submission: May 26, 2006, 11:59:59 PM PST
- Full paper submission: June 2, 2006, 11:59:59 PM PST
- Notification of acceptance: July 24, 2006
- Symposium dates: November 10–12, 2006

**Program Chair**

Silvia Nittel University of Maine, USA
Rolf A. de By International Institute for Geo-information Science & Earth Observation (ITC), The Netherlands

**Information and inquiries**

For further information and eventual registration, sponsorship, accommodation or otherwise, one is advised to first visit the Symposium's web site: [http://www.itc.nl/acmgis06/](http://www.itc.nl/acmgis06/)