



19th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL GIS 2011)

November 1-4, 2011, Chicago, IL, USA

<http://acmgis2011.cs.umn.edu/>



Conference Officers

The ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems 2011 (ACM SIGSPATIAL GIS 2011) is the nineteenth event in a series of symposia and workshops that began in 1993 with the aim of bringing together researchers, developers, users, and practitioners in relation to novel systems based on geo-spatial data and knowledge, and fostering interdisciplinary discussions and research in all aspects of geographic information systems. The conference provides a forum for original research contributions covering all conceptual, design, and implementation aspects of GIS ranging from applications, user interfaces, and visualization to data storage and query processing and indexing. The conference is the premier annual event of the ACM Special Interest Group on Spatial Information (ACM SIGSPATIAL). Researchers, students, and practitioners are invited to submit their contributions to ACM SIGSPATIAL GIS 2011.

Suggested topics include but are not limited to:

- Cartography and Geodesy
- Computational Geometry
- Computer Graphics Applications in GIS
- Computer Vision Applications in GIS
- Distributed and Parallel algorithms for GIS
- Earth Observation
- Geographic Information Retrieval
- GPU and Novel Hardware Solutions for GIS
- Human Computer Interaction and Visualization
- Image and Video Understanding
- Location-based Services
- Location Privacy, Data Sharing and Security
- GIS Performance Evaluation
- Photogrammetry
- Similarity Searching
- Spatial Analysis and Integration
- Spatial and Spatio-Temporal Data Acquisition
- Spatio-Temporal Data Analysis
- Spatial Data Mining and Knowledge Discovery
- Spatial Data Quality and Uncertainty
- Spatial Data Structures and Algorithms
- Spatial Data Warehousing, OLAP, and Decision Support
- Spatial Information and Society
- Spatial Modeling and Reasoning
- Spatial Query Processing and Optimization
- Spatio-Temporal Data Management
- Spatio-Temporal Sensor Networks
- Spatio-Temporal Stream Processing
- Spatio-Textual Searching
- Standardization and Interoperability for GIS
- Storage and Indexing
- GIS Architectures and Middleware
- Traffic Telematics
- Transportation
- Urban and Environmental Planning
- Visual Languages and Querying
- Web and Real-Time Applications

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Important Dates (All Submissions)

Abstract Submission: June 24, 2011

Full Submission: July 1, 2011

Notification: September 2, 2011

Paper Format: Authors are invited to submit full, original, unpublished research papers that are not being considered for publication in any other forum. Manuscripts should be submitted in PDF format and formatted using the ACM camera-ready templates available at <http://www.acm.org/sigs/pubs/proceed/template.html>. Submissions are limited to 10 pages. In addition to the regular full-length papers, the Program Committee may accept some as poster or demo papers which will be requested to be shortened. All submissions will be refereed for quality, originality, and relevance by the Program Committee. Accepted papers will be considered for "Best Paper Award."

Ph.D. Dissertation Showcase Papers: Ph.D. students are encouraged to submit their Ph.D. research contributions and work-in-progress. Submissions are limited to 6 pages – append "(Ph.D. Showcase)" to the title. Student authors of accepted papers will be given an opportunity to present a summary of their research at the conference. Successful Ph.D. showcase papers will appear in the ACM SIGSPATIAL Newsletter.

Industrial Papers: Industrial and experience papers are invited that describe original industrial experiences, challenges, and applications to be presented during the conference. Industrial paper submissions are limited to 10 pages -- append "(Industrial Paper)" to the title. Accepted industrial experience papers will appear in the conference proceedings.

Demonstration Papers: Demo papers are invited describing original demonstrations to be presented at the conference. Submissions should be 2–4 pages in length – append "(Demo Paper)" to the title. Accepted demo papers will appear in the conference proceedings.

Submission: Submissions should be uploaded through the submission site at: <https://cmt.research.microsoft.com/ACMGIS2011/>. One author per accepted paper, poster, Ph.D. Dissertation showcase, industrial paper, or demo is required to register and attend the conference and to present the accepted submission. Otherwise, the accepted submission will not appear in the published conference proceedings or in the ACM Digital Library version of the conference proceedings. All questions should be addressed to the PC Chairs.

Workshop Proposals: One-day workshops will be held on November 1, 2011. Workshop proposals are to be submitted in PDF format to the Workshop Chair. The proceedings of the workshops will appear in the ACM Digital Library. All proposers and organizers of accepted workshops must register for the workshop or the workshop will be canceled. For details on how to prepare a workshop proposal and what workshops entail, see <http://acmgis2011.cs.umn.edu/workshops/>.

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