



SIGSPATIAL

17th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIALGIS 2009) November 4-6, 2009, Seattle, WA, USA



Call For Participation

The *ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems 2009 (ACM GIS 2009)* is the seventeenth event of a series of symposia and 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 conference provides a forum for original research contributions covering all conceptual, design, and implementation aspects of GIS ranging from applications, user interface considerations, and visualization down to storage management and indexing issues. This year's conference builds on last year's conference great success and on being the premier annual conference of the ACM Special Interest Group on Spatial Information (ACM SIGSPATIAL).

Venue

Hyatt Regency Bellevue, 900 Bellevue Way NE, Bellevue, WA 98004

Topics

- Cartography and Geodesy
- Computational Geometry
- Computer Vision Applications in GIS
- Distributed, Parallel, and GPU algorithms for GIS
- Earth Observation
- Geographic Information Retrieval
- Human Computer Interaction and Visualization
- Image and Video Understanding
- Location-based Services
- Location Privacy, Data Sharing and Security
- Performance Evaluation
- Photogrammetry
- Similarity Searching
- Spatial Analysis and Integration
- Spatial and Spatio-temporal Information Acquisition
- 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 Handling
- Spatio-temporal Sensor Networks
- Spatio-temporal Stream Processing
- Spatio-textual Searching
- Standardization and Interoperability for GIS
- Storage and Indexing
- Systems, Architectures and Middleware for GIS
- Traffic Telematics
- Transportation
- Urban and Environmental Planning
- Visual Languages and Querying
- Wireless, Web, and Real-time Applications

Invited Speakers

Pat Hanrahan Gur Kimchi
Stanford University *Microsoft Virtual Earth*

Sponsored Workshops (November 3rd)

- QuEST '09** – International Workshop on Querying and Mining Uncertain Spatio-Temporal Data
- IWCTS '09** – Second International Workshop on Computational Transportation Science
- LBSN '09** – International Workshop on Location Based Social Networks
- Springl '09** – Second International Workshop on Security and Privacy in GIS and LBS

Conference Officers

- General Chair:**
Ouri Wolfson, University of Illinois at Chicago
- General Vice-Chair:**
Cyrus Shahabi, University of Southern California
- General Co-Chairs:**
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Program Committee

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| Randolph Franklin | Michael Gertz |
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| Michael T. Goodrich | Dimitrios Gunopulos |
| Ralf Hartmut Güting | Yan Huang |
| Klaus Hinrichs | Stephen Hirtle |
| Erik Hoel | Vagelis Hristidis |
| Edwin Jacox | Hoyoung Jeung |
| Christopher Jones | Joseph M. Joy |
| Panos Kalnis | Ibrahim Kamel |
| Sangho Kim | Craig Knoblock |
| Wei-Shinn Ku | Marc van Kreveld |
| Robert Laurini | Ahmed Lbath |
| Franz Leberl | Dik Lee |
| Wang-Chien Lee | Scott Leutenegger |
| Ki-Joune Li | Mario A. Lopez |
| Chang-Tien Lu | Nikos Mamoulis |
| Duane F. Marble | Mario Nascimto |
| Suman Nath | Shawn Newsam |
| Bradford G. Nickerson | Silvia Nittel |
| Eyal Ofek | Beng Chin Ooi |
| Dimitris Papadias | Dieter Pfoser |
| Alexei Pozdnoukhov | Rajeev Rastogi |
| Peter Revesz | Philippe Rigaux |
| Eliyahu Safra | Simonas Saltenis |
| Markus Schneider | Bernhard Seeger |
| Timos Sellis | Vibhuti Sengar |
| Mohamed A. Sharaf | Mehdi Sharifzadeh |
| Jayant Sharma | Shashi Shekhar |
| Emmanuel Stefanakis | Alfred Stein |
| Roberto Tamassia | Egemen Tanin |
| Yufei Tao | Agma Traina |
| Goce Trajcevski | E. Lynn Usery |
| Ranja Vastavi | Micheal Vlachos |
| Agnès Voisard | Shaowen Wang |
| Elizabeth Wentz | Peter Widmayer |
| Stephan Winter | Michael Worboys |
| Xiaqing Wu | Xing Xie |
| Xiaopeng Xiong | Jin Soung Yoo |
| Moustafa Youssef | May Yuan |
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| Xiaofang Zhou | Roger Zimmermann |

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Walid G. Aref, Purdue University

Local Arrangements Co-Chairs:
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Mohamed Ali, Microsoft, USA

Publicity Chair:
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Early Registration Deadline:
October 19, 2009