



SIGSPATIAL

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



Microsoft®

## 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 3<sup>rd</sup>)

**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 Co-Chairs:

Divyakant Agrawal, University of California, Santa Barbara  
Chang-Tien Lu, Virginia Tech

### Poster Chair:

Jagan Sankaranarayanan, University of Maryland

### Proceedings Co-Chairs:

Andrew Danner, Swarthmore College  
Alejandro Pauly, University of Florida

### General Vice-Chair:

Cyrus Shahabi, University of Southern California

### Program Committee Co-chairs:

Mohamed Mokbel, University of Minnesota  
Peter Scheuermann, Northwestern University

### Treasurer:

Yan Huang, University of North Texas

### Registration Chair:

Chengyang Zhang, University of North Texas

## Program Committee

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Edwin Jacox	Hoyoung Jeung
Christopher Jones	Joseph M. Joy
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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
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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
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Jayant Sharma	Shashi Shekhar
Emmanuel Stefanakis	Alfred Stein
Roberto Tamassia	Egemen Tanin
Yufei Tao	Agma Traina
Goce Trajcevski	E. Lynn Uesery
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
Pusheng Zhang	Baihua Zheng
Xiaofang Zhou	Roger Zimmermann

### Program Committee Vice Chair:

Walid G. Aref, Purdue University

### Local Arrangements Co-Chairs:

John Krumm, Microsoft, USA  
Mohamed Ali, Microsoft, USA

### Publicity Chair:

Judy Cushing, Evergreen College

**Early Registration Deadline:**  
October 19, 2009