Aims and Scope

Social networks have been prevalent on the Internet and become a hot research topic attracting many professionals from a variety of fields. By adding a location dimension, we can bring online social networks back to the physical world and share our real-life experiences in the virtual world conveniently. In Location Based Social Networks (LBSN), people cannot only track and share location-related information with each other via either mobile devices or desktop computers, but also leverage collaborative social knowledge learned from user-generated and location-related contents. As location is one of the most important properties in people’s daily lives, LBSN will bridge the gap between online societies and the physical world and enable a lot of novel applications changing the way we live, such as travel planning, location/friend recommendations, community discovery, human mobility modeling and user activity analysis. The technology derived from LBSN, e.g., location trajectory mining and retrieval, can also be applied to a multitude of other research areas including biology, sociology, geography, and climatology, etc.

The objective of this workshop is to provide professionals, researchers, and technologists with a single forum where they can discuss and share the state-of-the-art of LBSN development and applications, present their ideas and contributions, and set future directions in emerging innovative research for location based social networks.

Topics of interest include but not limited to the following:

- Spatial and spatio-temporal data mining in user-centric scenarios
- Moving object tracking, indexing and retrieval for social applications
- Trajectory compressing and simplification
- Trajectory mining, pattern recognition, and knowledge discovery
- Location privacy and security
- Uncertainty of location and trajectory in modeling, inference, and querying
- Activity recognition and sensing for social applications
- Location identification from sensor data for social applications
- Semantic meaning and knowledge discovery from location-related data
- User similarity computing based on location-related information
- Location and friend recommendations
- Hot spots, significant places, and interesting locations detection
- Location-tagged media sharing and mining
- Human-computer interaction in location-based social networks
- Mobile and ubiquitous computing for location-based social networks
- Information retrieval in location-based social networks

Important Dates:

Notification of acceptance: August 22, 2011
Camera ready due: Sept. 2, 2011
Workshop day: Nov. 1, 2011

Submission

We solicit two kinds of submissions:

- Full paper, up to 8 pages
- Short paper, up to 4 pages.

All manuscripts should be submitted in a single PDF file including all content, figures, tables, and references, following ACM camera-ready templates available at: http://www.acm.org/sigs/pubs/proceed/template.html, via the submission website before the submission deadline. Each paper will be assigned to three reviewers for a peer review. All accepted papers will be included in the ACM digital library as well as EI index.

Award

We will set one best paper award according to the review results and presentation of a paper.

Organizers

General Co-Chairs:
Christian S. Jensen, Aarhus University, Denmark.
Wang-Chien Lee, Pennsylvania State University, USA

Program Co-Chairs:
Mohamed F. Mokbel, University of Minnesota, USA
Yu Zheng, Microsoft Research Asia, China
Program Committee:

Jing (David) Dai, IBM T.J. Watson, USA
Xin Chen, NAVTEQ, USA
Takahiro Hara, Osaka University, Japan
Yan Huang, University of North Texas
Ralf Hartmut Guting, University of Hagen, Germany
Yoshiharu Ishikawa, Nagoya University, Japan
Hassan Karimi, Pittsburgh University, USA
Marek Kowalkiewicz, SAP Research, Australia
WeiShinn Ku, Auburn University, USA
John Krumm, Microsoft Research Redmond, USA
Chang-Tien Lu, Virginia Tech, USA
Nikos Mamoulis, University of Hong Kong, Hong Kong
Shawn Newsam, UC Merced, USA
Wen-Chih Peng, National Chiao Tung University, Taiwan
Peter Scheuermann, Northwestern University, USA
Cyrus Shahabi, University of Southern California, USA
Christoph Schlieder, Bamberg University, Germany
Guangzhong Sun, University of Science and Technology of China, China
Xueyan Tang, Nanyang Technological University, Singapore
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Jianliang Xu, Hong Kong Baptist University, Hong Kong
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