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Distributed and Parallel Databases
Special issue on
Data Management and Analysis in Location-Based Social Networks

Social networks have been prevalent on the Internet and become a hot research topic attracting many professionals from a variety of fields. The advances in location-acquisition and mobile communication technologies empower people to use location data with existing online social networks. The dimension of location helps bridge the gap between the physical world and online social networking services. Furthermore, people in an existing social network can expand their social structure with the new interdependency derived from their locations.

This special issue will primarily encompass algorithms, systems, and applications related to data management and analytics in location-based social networks. The topics of interest include, but are not limited to:

- Trajectory data mining and management
- Location-related social media search and mining
- Human mobility modeling and analysis
- User similarity computing based on locations
- Link prediction and social tiers inference
- Friend recommendations and community discovery
- Expert discovery and influential person identification
- Hot spots, significant places, and interesting locations detection
- Location recommendations and trip planning
- Location annotation and semantic meaning identification
- Location prediction and location privacy
- Anomaly detection and event discovery

Guest Editors

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Important Dates

Paper submission:
July 15, 2013

Initial notification:
September 2, 2013

Revised versions:
October 14, 2013

Second round notification:
November 11, 2013

Final version:
December 2, 2013

Submission Guidelines

All manuscripts must be submitted using the Springer Editorial Manager System (SEMS). The SEMS website can be accessed via: http://www.editorialmanager.com/dapd/. Please select the article type "**Location-Based Social Networks**."

Submission Format

Submissions are expected to be original research, previously unpublished and typeset in English. In case, the submission is an extension of an already published work, then the authors must quantify 50% of additional intellectual content.

Author guidelines for preparation of manuscript can be found at: http://www.springer.com/journal/10619.