First International ACM Workshop on Managing and Mining Enriched Geo-Spatial Data 2014 (GeoRich'14)

June 27th, 2014, Snowbird, USA

http://www.dbs.ifi.lmu.de/georich14

held in conjunction with ACM SIGMOD 2014

Call for Papers

Both the current trends in technology, such as smart phones, general mobile devices, stationary sensors and satellites, as well as a new user mentality of utilizing this technology to voluntarily share information, cause the production of a huge flood of geo-spatial data. This data can integrate multiple other types of data, e.g., social information, textual data, multimedia data and scientific measurements, leading to what one can call generally as "enriched geospatial data". This flood of geo-referenced data provides a tremendous potential of discovering new and possibly useful knowledge. A novel research challenge is thus to search and mine this wealth of enriched geo-spatial data which requires joint effort from multiple research communities.

The aim of this workshop is to provide a unique forum for discussing in depth the challenges, opportunities, novel techniques and applications on modeling, managing, searching and mining rich geo-spatial data, in order to fuel scientific research on big spatial data applications beyond the current research frontiers. The workshop is intended to bring together researchers from different fields of the database community that deal with the management of spatial and spatio-temporal data, social network data, textual data, multimedia data, semantic data and ontologies, uncertain data and other common types of geo-referenced data. In particular, submissions covering topics from the following non-exclusive list in the context of enriched geo-spatial data are encouraged:

- Data models and representation
- Uncertainty and user-generated content
- Quality control and assurance
- Data fusion techniques
- Privacy and confidentiality
- Synthesis of multi-source data
- Analysis of multi-source data
- Management of data
- Data stream management and mobile computing
- Spatial reasoning and analysis
- Data integration and extraction
- Data uncertainty
- Crowd-sourcing computing resources
- Non-traditional visualization techniques
- Data-mining and discovery
- Query processing

Important Dates

Paper Deadline
30 March 2014

Notification
30 April 2014

Camera-Ready
14 May 2014

Deadlines: 11:59pm PST

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