



Third International ACM SIGMOD Workshop on Enriched Geo-Spatial Data 2016 (GeoRich'16)

26.06.2016, San Francisco, CA, USA
<http://www.dbs.ifi.lmu.de/georich16>

held in conjunction with ACM SIGMOD 2016



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 produce a huge flood of geo-spatial data. This data is enriched by multiple additional sources or contexts such as social information, text, multimedia data and scientific measurements, called enriched geo-spatial data. The novel research challenge is to search and mine this wealth of multi-enriched geo-spatial data. The focus of this workshop is to analyze what has been achieved so far and how to further exploit the enormous potential of this data flood. This workshop intends to bring together researchers from the fields of databases, data-science and geo-science, who independently work on similar problems, but often apply different techniques to solve these problems. Focus of this workshop is to create synergies for databases, data-science and geo-science, by sharing ideas and finding common solutions.

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 data-science and geo-science 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
- geo-semantics and geo-ontologies
- geographic information retrieval

Important Dates

Workshop Date

June 26, 2016

ACM SIGMOD/PODS

June 26 – July 1, 2016

Abstract Deadline

February 21, 2016

Submission Deadline

February 28, 2016

Notification

May 1, 2016

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