Sixth International ACM SIGMOD Workshop on Managing and Mining Enriched Geo-Spatial Data (GeoRich)

June 14, 2020, Portland, OR, USA

https://georich2020.github.io

Submission site:

https://easychair.org/conferences/?conf=georich2020

Held in conjunction with ACM SIGMOD/PODS 2020

Call for Papers

Both the current trends in technology such as smartphones, 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, satellite data and scientific measurements, called enriched geo-spatial data. This data flood provides a tremendous potential of discovering new and possibly useful knowledge. 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. The ultimate goal of this workshop is to develop a general framework of methods for searching and mining enriched geo-spatial data in order to fuel an advanced analysis of big data applications beyond the current research frontiers.

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 databases, 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: The topics of interest are related to semantically enriched geo data, such as spatio-textual, spatio-temporal, spatio-social, geo-social network, mobile and wireless data and uncertain data are not limited to:

- Big Spatial Data
- Data mining and machine learning on enriched geo data
- Data stream management and mobile computing
- Exploratory geospatial analysis
- Geographic Information Systems (GIS)
- Geospatial data fusion
- Leveraging spatial data for smart cities
- Privacy and confidentiality
- Machine learning and artificial intelligence using spatial data
- Managing uncertainty in spatial data
- Managing crowd-sourced spatial data
- Spatial and spatio-temporal data management
- Spatial crowdsourcing
- Spatial econometrics
- Spatial data models and representation
- Spatial query processing and optimization
- Spatial reasoning and analysis
- Spatial recommendations
- Spatial statistical analysis
- Urban analytics and smart technologies

Important Dates

Workshop Date
June 14, 2020

Submission Deadlines
Abstract: March 15, 2020
Submission: March 22, 2020
Notification: April 16, 2020
Camera ready: May 9, 2020

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