The 5th International Workshop on Urban Computing (UrbComp 2016)

August 13, 2016 – San Francisco, California, USA Held in conjunction with KDD 2016

Website: http://www2.cs.uic.edu/~urbcomp2013/urbcomp2016/index.html

Aims and Scope

Urban computing is a process of acquisition, integration, and analysis of big and heterogeneous data generated by a diversity of sources in urban spaces, such as sensors, devices, vehicles, buildings, and human, to tackle the major issues that cities face, e.g. air pollution, increased energy consumption and traffic congestion. Urban computing connects unobtrusive and ubiquitous sensing technologies, advanced data management and analytics models, and novel visualization methods, to create win-win-win solutions that improve urban environment, human life quality, and city operation systems. Urban computing also helps us understand the nature of urban phenomena and even predict the future of cities.

This workshop provides the professionals, researchers, and practitioners who are interested in sensing/mining/ understanding urban data with a platform, where they can discuss and share the state-of-the-art of urban computing development and applications, present their ideas and contributions, and set future directions in emerging innovative research for urban computing. Representative projects and literatures can be found on this website.

Topics of Interests

Topics of interest include, but not limited to, the follows:

- Urban informatics: acquisition, aggregation, and analysis of big data
- City-wide traffic modeling, analysis, and prediction
- City-wide human mobility modeling, visualization, and understanding
- Urban computing for urban planning and city configuration evaluation
- Urban environment/pollution/energy consumption monitoring and data analysis
- City-wide intelligent transportation systems
- Anomaly detection and event discovery in a city
- Social behavior modeling, understanding, and patterns mining in urban spaces
- Discover regions of interests and of different functions
- Mining public transportation data, such as ticketing data in bus and subway systems and taxi data
- City-wide mobile social applications in urban areas
- Location-based social networks enabling urban computing scenarios
- Smart recommendations in urban spaces
- Intelligent delivery services in cities
- Mining data from the Internet of Things in urban areas

Program Chairs

Yu Zheng, Microsoft Research, China
Zhenhui Li, Pen State University, USA

General Co-Chairs

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- Daqing Zhang, Institute TELECOM SudParis, France
- Junbo Zhang, Microsoft Research, China
- Kevin Zheng, University of Queensland, Australia

Important Dates

Paper submission due: **May 22, 2016**
Paper notification: June 22, 2016
Camera-ready due: July 10, 2016

Submissions

We solicit submissions up to 9 pages (the last page can only hold references) in a single PDF file including all content, figures, tables, and references, following ACM templates at http://www.acm.org/sigs/pubs/proceed/template.html, via the submission website before the submission deadline. **Selected workshop papers will be invited to ACM Transactions on Intelligent Systems and Technology**. Other papers will not be included in any digital libraries. Authors own the copyright of these papers and can submit these papers to other places in the future.