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Extracting Social and Community Intelligence from Digital Footprints

A Special Issue of Springer Journal of "Ambient Intelligence and Humanized Computing (AIHC)"
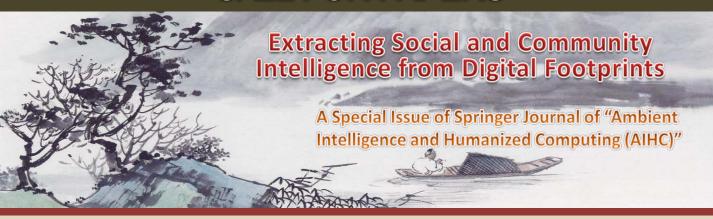
Social and community intelligence (SCI) defines a new paradigm that aims at revealing the individual/group behaviors, social interactions, as well as community dynamics (e.g., city hot spots, traffic jams) by mining the digital traces left by people while interacting with cyber-physical spaces. The digital traces are generated mainly from three information sources: Internet and Web applications, wireless sensor networks, mobile/wearable devices. The scale and richness of the multimodal, mixed data sources present us an opportunity to compile the digital footprints into a comprehensive picture of individual's daily life facets, transform our understanding of our lives, organizations and societies, and enable completely innovative services in areas like human health, public safety, city resource management, environment monitoring, and transportation management.

This special issue strives to foster state-of-the-art research pertaining to SCI, including theoretical studies, practical issues, emerging technologies and innovative applications. The topics of interests include, but are not limited to, the followings:

- *Social Media Mining*
- *Online Community Analysis*
- *Mobile Social Networking*
- *Socially-Aware Computing*
- *Reality Mining*
- *Community Detection and Social Behavior Analysis*
- *Urban Sensing*
- *Semantic Social Web*
- *Infrastructure Support for SCI Systems*
- *Security, Trust, and Privacy Issues in SCI*
- *Multi-Source Data Aggregation in SCI*
- *SCI Applications and Services*

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Submission & Publication

Authors should follow the manuscript format for the International Journal of Ambient Intelligence and Humanized Computing. Manuscripts should be emailed to the guest editor, Dr. Bin Guo (guobin.keio@gmail.com), as PDF files. This special issue will also selects the best papers from the 1st International Symposium on Social and Community Intelligence (SCI 2011), Beijing, 18, September, 2011.

All submitted manuscripts will be peer-reviewed. Manuscripts must present original research not yet published or currently under review by other journals.

For any queries, please contact guest editor: Bin Guo

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