Theme Issue On **Data Intelligence on the Internet of Things** With **Personal and Ubiquitous Computing**

Scope:

The Internet of Things, which enables the interconnection, interoperation, and collaboration between smarty things, allows collecting data from various sources, including GPS data of vehicles, real-time traffic data of road cameras, weather data (e.g., temperature or air quality data) from environment sensors, user-generated contents (e.g., tweets, micro-blog, check-ins, photos) from mobile social APPs, and many others. In fact, sensory data have been widely available in large volume and variety nowadays. Sensory data exhibit specific characteristics, including multi-sources, heterogeneous, large-scale, real-time streaming, continuous, ever-expanding, and spatial-temporal. Traditional approaches or platforms are limited in processing these sensory data, which are big data actually. The engineering and intelligence on sensory data covers the theories and technologies of different disciplines to provide efficient processing and smart analysis. Intensive research is required on sensory data engineering and intelligence. This special issue as a dedicated forum aims for the scientific and industrial community to present their novel models, methodologies, techniques and solutions which can address theoretical and practical issues. Topics of interest include, but are not limited to:

- Scalable infrastructure for sensory data management
- Large-scale sensory data processing and mining
- Heterogeneous sensory data management
- Real-time sensory data processing
- Reliability guarantee of data engineering
- Flexible Cloud platforms for applications based on sensory data
- Automatic tracing and response of data evolution
- Business service model for sensory data
- Intelligent services for data processing and sharing
- Smart composition, virtualization and integration on data services
- User-friendly tools for sensory data intelligence
- Domain applications on sensory data

Submission Guidelines:

Submissions should follow the guidelines of the Personal and Ubiquitous Computing:
http://www.springer.com/computer/hci/journal/779
Please submit your manuscript through email to zhangbing.zhou@gmail.com.

Schedule:

- Paper submission deadline: October 10, 2015
- Notification of first round decisions: January 10, 2015
- Revised paper submission: March 1, 2016
- Notification of acceptance: April 30, 2016
- Final manuscript: May 20, 2016
- Expected publication: December 1, 2016 (tentative)

Guest Editors:

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