Message from the Workshop Organizers

It is our pleasure to welcome you to the 1st IEEE International Workshop on Big Data Management for the Internet of Things (BIOT), associated with the IEEE International Computer Software and Applications Conference, COMPSAC, organized this year in the beautiful city of Vasteras, Sweden. Succeeding the past EUCASS (Enablers for Ubiquitous Computing and Smart Services) workshops that were held four times at COMPAC/SAINT conferences, this workshop aims to share and discuss the most advanced researches and development studies that explore Big Data challenges in the Internet of Things.

A huge number of sensors, actuators and tags are getting networked these days. This leads to the Internet of Things, and provides smart and intelligent services to human society. However, this now raises the next question: How should we use the Big Data associated to, or collected from, those things? Potentially the data contains the seeds of services, profiles of social-phenomena, even social knowledge and intelligence. However, we have not yet found systematic solutions for managing the data acquisition and processing effectively, and we sometimes fail to extract valuable information from, or to provide advanced services with, the dataset. Thus, for this workshop, in order to discuss and discover better solutions, we selected papers that explore platforms (i.e., network systems, architectures, data models and algorithms) that effectively integrate the Internet of Things and Big Data.

We would like to say “Thank you” to all authors who submitted their works to BIOT 2014. With careful reviews by program committee members, we have finally accepted six sophisticated papers.

We hope that this workshop is one of the best opportunities to address these themes in sufficient depth and breadth, and to exchange results, ideas and field experiences.

Workshop Organizers

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