iCAST 2017 Special Session Proposal

Deadline: July 15, 2017

Session Title:

The Intelligent Applications of Data Analysis for Context Awareness (IADACA)

Session Chair with Contact Information:

Prof. Shunzhi Zhu

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Session Organizers:

Prof. Shunzhi Zhu, Lecturer Lijuan Liu, Lecturer Bin Dai, Prof. Rung-Ching Chen

Aim:

Using IoT, Internet of Thing, technologies makes intelligent of objects which through various micro-sensors implanted in the wafer then with a wireless network connecting the Internet. To realize people and objects dialogue, exchange of dialogue between people and objects, and among objects and objects are dependent on data exchanges which are very important for current research trends in computer sciences. So that the object in contact with people's lives can become wiser awareness. With the continuous deployment of data analysis applications and technologies, many important awareness services will be proposed. Those data can be analysed to reveal interesting relationships, detect events and find unforeseen and unknown patterns for context awareness. The goal of this special issue is to provide an opportunity for researchers, engineers and scientists to publish their research results related to the innovative applications of intelligent data analysis for context awareness.

This special session will be focusing on (but not limited to) the following topics:

- Smart home and data analysis for context awareness
- Smart City and data analysis for awareness applications
- Healthcare system and data analysis for context awareness
- Social data for context awareness applications
- Mining Iot data
- Security of IoT on context awareness
- IoT and Big Data Analysis
- The innovation of Apps for context awareness
- Robot services for context awareness
- The recommender system for context awareness
- Reasoning with incomplete or uncertain information for context awareness
- Intelligent computing and its applications on context awareness
- Context awareness for saving power
- Data analysis for context awareness applications
- Context awareness and cloud computing

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