

## **ST6: Cloud-assisted Body Area Networks (CBAN)**

### **Organizing Chairs:**

- Raffaele Gravina, University of Calabria, Italy
- Jun Suzuki, University of Massachusetts, Boston, USA

### **Abstract:**

The advances of body area networks, mobile computing, wireless networking and cloud computing offer tremendous opportunities in providing newer and better cloud-assisted body area networks (CBAN). The main objective of this special track is to provide a medium for researchers and practitioners to present their research findings related to the synergy among cloud computing and various CBAN-enabling technologies such as sensor-actuator networks, machine-to-machine (M2M) communication, RFID and the Internet of Things (IoT).

### **Topics of interest:**

- Communication, information and software architectures
- Integration techniques between clouds and Body Area Networks (BAN)
- A cloud of clouds for CBAN
- Massively distributed/deployable CBAN
- Cloud-assisted data management, mining and processing for BAN
- Cloud-assisted decision support systems with BAN
- Data acquisition, exchange and dissemination methods
- Pervasive services for mobile cloud users
- Resource management
- Security and privacy
- Energy efficiency
- Workflow management
- Intelligence and optimization between clouds and Body Area Networks
- Data visualization
- Heterogeneity of in/on-body and ambient sensors/actuators
- Nanoscale sensors and communication in/on/around human bodies
- Applications and experience

### **TPC Members:**

- Bo Sheng, University of Massachusetts, Boston
- Charalampos Doukas, University of the Aegean, Greece
- John Lach, University of Virginia, USA
- Mukaddim Pathan, Telstra Corporation Limited, Australia
- Athanasios Vasilakos, University of Western Macedonia, Greece
- Krishna Venkatasubramanian, Worcester Polytechnic Institute, USA



## 10th International Conference on Body Area Networks

September 28–30, 2015 Sydney, Australia  
<http://bodynets.org/2015/show/home>

- Sherali Zeadally, University of Kentucky, USA
- Yi Ren, University of Massachusetts, Boston, USA
- Claudio Savaglio, University of Calabria, Italy