

## Editorial

We welcome the readers to access the first issue of this current volume. *Masato Watanabe, Yuya Sakaguchi, Tadachika Ozono and Toramatsu Shintani* in their first paper on “**A Proximity Information Propagation Mechanism Using Bluetooth Beacons for Grouping Devices**” proposed a proximity based electronic gadget dependent group tool using a Bluetooth beacon to recognize grouped devices that are near each other. The working efficiency with tablet devices can be improved using the tool the authors claimed. The Bluetooth signals received by all immediate beacon receivers can reduce the problems as the experimental results support.

In the next paper on “**A Mobile Online Activity Recognition System Based on Smartphone Sensors**” the author *Nhac Lu Dang* has proposed an efficient and flexible framework for activity recognition based on smartphone sensors. The proposed mobile application can able to integrate the data collection, training and recognition and also feedback monitoring. The feature of this system is that it allows user smartphones are randomly placed in any position and at any direction. To document the validity of the proposed system a number of experiments were carried out to show the high accuracy of the proposed framework for detecting user activity when walking or driving a motorbike.

*Jae-Hyun Ro, Jong-Kwang Kim, Chang-Hee Kang and Hyoung-Kyu Song* in their last paper on “**Modified Tree Structure QRD-M in MIMO-OFDM Systems**” viewed that the decomposition-M algorithm has problems. To reduce the complexity of the QRD-M, the authors have proposed QRD-M modifies existing tree structure by eliminating unnecessary candidates at almost whole layers. The simulation results shown that the proposed QRD-M has same bit error rate (BER) performance with lower complexity than the conventional QRD-M.

The papers in this first issue of this volume highlight enhanced techniques in the intelligent computing.

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