International Journal of Parallel, Emergent and Distributed Systems
Special Issue on Smart Computing and Communication

Scope and Objective

Current booming needs of big data and cloud computing have dramatically changed people's lives. The implementation of smart computing addresses various fields and makes things "smart" in different domains, such as data mining, security, and web technologies. In this special issue, one concentration is to gather recent achievements in the field of smart cloud. The concept of smart cloud refers to the intelligent controls over cloud servers in order to enable resource optimizations and quality cloud services. The application of smart cloud can be also attached to the environment of smart computing that can be attached to data and security subjects. In addition, the other focus of this special issue concerns the technical upgrades in communications. Both performance and security are involved in this focus due to the context of the networked devices. Data exchanging between devices raises a number of research topics, which cover performance, security and privacy maintenance, stability, and latency aspects. Therefore, this special issue aims to collect updated papers in the areas of smart computing and communications, which targets at all relevant techniques, researches, applications, empirical studies, and surveys.

Topics of particular interest include, but are not limited to:
- Smart data mining and data analysis
- Intelligent data security and protection methods
- Smart data/privacy protections in cloud computing
- Secure data storage and secure data duplications
- Secure data exchanging and data center security
- High performance networking and resource management in cloud computing
- Security and fault tolerance for embedded or ubiquitous systems
- Intelligent sensor networks architecture, implementation, and application
- Dynamic resource sharing algorithm for cloud computing
- Heterogeneous architecture for cloud-based intelligent data
- Load balance for cloud-based intelligent data
- Cloud-based audio/video streaming techniques
- Cloud-based real-time multimedia techniques in intelligent data

Guest Editor

Meikang Qiu, Pace University, USA
Sun-Yuan Kung, Princeton University, USA

Important Dates

Manuscript Due:	December 1st, 2017
First Round of Reviews:	March 15th, 2018
Publication Date:	May 5th, 2018