

Special Section: Call for Papers

Announcing a Special Section in **IEEE Access**:
Emergent Topics for Mobile and Ubiquitous Systems in Smartphone, IoT, and Cloud Computing Era

Submission Deadline: February 10, 2017

IEEE Access invites manuscript submissions in the area of **Emergent Topics for Mobile and Ubiquitous Systems in Smartphone, IoT, and Cloud Computing Era**.

The tremendously rapid popularization of smart phones has significantly impacted our daily life. Smartphones are used not only for voice communication but also for various purposes such as information search (e.g., Web, Location-Based Services (LBS), etc.), E-commerce (e.g., on-line shopping, trading, etc.), and establishing social relationships (i.e., Social Networking Services (SNSs)). Meanwhile, in the last decade, various new technical advances such as Internet of Things (IoT), machine-to-machine (M2M), Intelligent Transport Systems (ITS), cloud computing, and crowdsourcing have become a big trend and have had significant impacts on both academic and social aspects.

Due to these trends, mobile and ubiquitous systems have become more significant and complex than ever before. More specifically, in all of the above advanced systems, smartphones are expected to play a significant role such as human-machine interface, data source for environmental monitoring (i.e., sensors for context detection) and user profiling, and computing capability (e.g., edge computing and off-loading). While the research communities of mobile and ubiquitous computing have spent considerable research effort in the past decade and established the maturity of some base technologies, a variety of challenges still remain in the new era of mobile and ubiquitous systems that we are now facing.

This Special Section in *IEEE Access* invites researchers who are working on research challenges to further advance the development of systems, applications, social networks, middleware, networking, data management and services, all with special focus on mobile and ubiquitous computing in advanced systems.

In particular, this Special Section aims to tightly collaborate with Mobiquitous 2016 Conference <<http://mobiquitous.org/2016/show/home>> and encourages the authors of submissions accepted to the research and industrial tracks of Mobiquitous 2016 to submit an extended version of their Mobiquitous 2016 paper to this Special Section. These submissions will be handled directly by the associate editor or a guest editor to ensure quick decision on acceptance/revision/rejection.

Topics of interest include, but are not limited to:

- Wireless Access Technologies
- Networked Sensing, and Applications
- Mobile Device Architectures
- Mobile Systems and Applications
- Mobile Data Management and Analytics
- Mobile Multimedia

- Mobile User Interfaces and Interaction Technologies
- Mobile User Experience
- Toolkit and Languages for Mobile Computing
- Energy Aware Mobile Computing
- Mobile Cloud Computing
- Semantic Web Technologies
- Localization and Tracking
- Internet of Things - Systems, Data Analytics, and Applications
- Crowdsourcing - Platforms and Applications
- Participatory Sensing
- Social Network Applications to Mobile Computing
- Context and Location Aware Applications and Services
- Wearable Computing
- Body Area Networks
- Security and Privacy
- Sensor Cloud
- Contact-free Sensing

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