

Call for Papers

Special Issue on **Sensors and Smart Sensing for Big Data Analytics and Mobile Computing**

Nowadays, sensors are able to gather data everywhere from businesses, infrastructures, our environment, and even ourselves. This enormous amount of information is producing a new ecosystem of business opportunities around its analysis, storage and accessibility.

Sensors are increasingly being built into common objects, such as touch-sensitive elevator controls (tactile sensor) and lamps that are brightened or dimmed by touching the base, as well as an uncountable number of applications of which most people remain unaware. With developments in easy-to-use micro controller platforms and micromachinery, the use of sensors has expanded beyond the most traditional fields of temperature, pressure or flow measurement, for example, MARG sensors. Furthermore, analog sensors such as force-sensing resistors and potentiometers are still commonly used. Sensor technologies are very common nowadays and include fields such as manufacturing and machinery, airplanes and aerospace, cars, medicine, and robotics etc., as well as day-to-day life. The research on sensor technologies including sensor design, implementation, characterizations and application oriented technical development is advancing swiftly.

This issue focuses on the novel sensing algorithms, emerging sensing paradigms, applications, architectural frameworks, advancement of sensing technologies and sensors as part of the systems, emerging in the areas of big data analytics and mobile computing. This issue focuses on sensors and smart sensing for mobile computing and big data methodologies which are being applied in various fields such as healthcare, smart grids, maintenance management, traffic, environment, etc., and/or designing innovative services, infrastructure and their applications to support big sensor data analytics.

Potential topics include, but are not limited to:

- Cloud computing for smart sensing and mobile computing
- Data store, search, transformation, analysis and visualization
- Intelligent and smart sensor networks
- Mobile Sensing
- New architecture for the sensor networks
- Programming paradigms for sensing systems
- Security and privacy in smart sensing and mobile computing
- Sensing devices and techniques
- Sensing principles and mechanisms
- Service-oriented sensing

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Manuscript Due

Monday 10 April 2017

First Round of Reviews

July 2017

First Papers Published

October 2017

Impact Factor: 0.906*

Ranking: 95/143 in Computer Science, Information Systems

51/82 in Telecommunications

*2016 Release of Journal Citation Reports, Source: 2015 Web of Science Data

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Special Issue on **Sensors and Smart Sensing for Big Data Analytics and Mobile Computing**

Potential topics include, but are not limited to:

- Smartphone sensing protocols for mobile computing
- Ubiquitous sensing
- Wireless communication and

The submitted manuscripts for this special issue will be peer-reviewed before publication.

Find the submission guidelines here: <http://bit.ly/IJDSN-Guidelines>
Please submit your article here: <http://bit.ly/IJDSN-Submit>

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