

Special Issue "Sensor Networks for Collaborative and Secure Internet of Things"

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A special issue of *Sensors* (</journal/sensors>) (ISSN 1424-8220). This special issue belongs to the section "[Sensor Networks](/journal/sensors/sections/sensornetworks)".

Deadline for manuscript submissions: **30 June 2018**

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Special Issue Editors

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Interests: wireless sensor networks; multimedia communication; middleware; security

Guest Editor

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Interests: wireless communications and mobile computing; computer networks; mobile cloud computing; security and smart grid



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Special Issue Information

Dear Colleagues,

Leveraging various information and communication technologies, our Internet is evolving into the Internet of Things (IoT) which aims to offer various comfortable and convenient services (e.g., smart climate control, smart street lighting, smart transportation, smart parking, and smart grid) to people. However, collaboration and security are identified as two critical issues that go under the radar of enthusiasts championing the IoT concept (i.e., connecting “Things” in the world). Specifically, research has shown that collaboration is the key to an open and accessible IoT. Investigation has found that security is the key to a trustable and robust IoT. In addition, collecting data from the “Things”, sensor networks act as the “eyes” and “ears” of IoT.

Therefore, toward a collaborative and secure IoT from the sensor networks perspective, this Special Issue solicits original technical papers with novel contributions on sensor networks taking into account the collaboration and security issues of IoT. Tutorial or survey papers are also welcome. In addition, selected high quality papers from Collaboratecom 2017 (<http://collaboratecom.org/2017/show/home>) will be invited for further consideration in this Special Issue for publication. Potential topics include, but are not limited to:

- Communication in sensor networks for collaborative IoT
- Communication in sensor networks for secure IoT
- Computing in sensor networks for collaborative IoT
- Computing in sensor networks for secure IoT
- Middleware in sensor networks for collaborative IoT
- Middleware in sensor networks for secure IoT
- Cross-layer design in sensor networks for collaborative IoT
- Cross-layer design in sensor networks for secure IoT
- Testbed in sensor networks for collaborative IoT
- Testbed in sensor networks for secure IoT
- Novel application in sensor networks for collaborative IoT
- Novel application in sensor networks for secure IoT

Prof. Dr. Lei Shu

Prof. Dr. Mohsen Guizani

Dr. Chunsheng Zhu

Guest Editors

Manuscript Submission Information

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Keywords

- Internet of Things
- Collaboration
- Security
- Sensor network
- Communication
- Computing
- Middleware

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