Special Issue on
Security and Privacy Mechanisms for Sensor Middleware and Application in Internet of Things (IoT)

CALL FOR PAPERS

The Internet of Things (IoT) is the interconnection of uniquely identifiable embedded computing devices within the existing Internet infrastructure. The IoT concerns the connection of physical devices (cars, thermostats, smartphones, home lighting, tide sensors, smart meters, etc.) to the Internet. There are more devices connected to the Internet than people on the planet, and the prediction is that there will be 50 billion IoT devices by 2020. The IoT brings with it many security challenges, and this issue will explore these challenges as well as looking at some emerging solutions. Of course these challenges fall into existing security and identity challenges but are exacerbated and modified by the specific aspects of the IoT.

This special issue will concentrate on those aspects. The special issue will cover identity, confidentiality, denial of service, privacy, and other aspects and specifically how those are different in the IoT space. This special issue is aimed at professionals who understand identity and security issues and wish to understand how those concepts apply in the IoT space. It will also be relevant to IoT specialists looking to understand security issues.

We invite investigators to submit original research and review articles that demonstrate current research in areas of smart sensor network in Internet of Thing. The aim of this special issue is to bring together innovative developments in areas related to security and privacy for sensor application middleware and IoT.

Potential topics include, but are not limited to:

- ▶ Sensor convergence middleware and related security issue
- ▶ Smart sensor service security and privacy architectures in IoT
- ▶ Smart sensor service attack, threat, and countermeasure in IoT
- ▶ Smart sensor service intrusion and malware detection in IoT
- ▶ Recent advances sensor convergence security issue in Internet of Everything

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