

Special Issue on
**Emerging Architectures and Technologies for
Internet-of-Things**

CALL FOR PAPERS

Internet-of-Everything/Internet-of-Things (IoE/IoT) is a popular research area, which includes different application fields, such as home automation, smart city, healthcare, and Industry 4.0. To provide more intelligent and useful services, IoE/IoT sensors and devices have to be connected, and the data has to be gathered and processed automatically. Different technical issues such as information integration of local devices, design of the next-generation protocols, cloud services and systems, performance improvement and the resource allocation of the networks, and security, should all be taken into consideration. Furthermore, new architecture and technology are emerging to cooperate with the given domain knowledge to make connected things more valuable.

This special issue aims to provide a forum for discussing the recent advances in the architecture and technology of Internet-of-Things. The accepted papers will show a diversity of new developments in these areas. This issue accepts high quality articles containing original research results and review articles, which let the readers, understand more about this important technology trend.

Potential topics include but are not limited to the following:

- ▶ Fog networks
- ▶ Emerging architecture and technology of vehicular networks
- ▶ Communication system for home automation/healthcare/smart city/Industry 4.0
- ▶ Next-generation wireless/wired access networks for M2M communications
- ▶ Security issues and solutions in IoE/IoT
- ▶ Backhaul networks for IoE/IoT
- ▶ Emerging technology for smart home, smart campus, and smart city
- ▶ Emerging architecture and technology for smart factory and Industry 4.0
- ▶ Architecture and technology for biosensors and healthcare systems
- ▶ Cloud networking and energy-efficient datacenters
- ▶ Computational intelligence and machine learning techniques for massive networked (big) data analytics resource allocation and management for IoE/IoT
- ▶ Machine Learning and big data algorithms and applications for IoE/IoT
- ▶ Deep Learning for IoE/IoT applications

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jcnc/eatit/>.

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