



Energy Management, Protocols and Security for the Next Generation Networks and Internet of Things

Theme: The tremendous growth of interconnected things/devices in the whole world advances to the new paradigm i.e. Internet of Things (IoT). This special session focuses on the recent challenges, design and issues for Energy Management, Protocols and Security for the next generation networks and IoT. The aim of this special issue in “IEEE Transactions on Industrial Informatics” is to bring together global ICT state of the art and research trends with new developments in this area. This theme is expected to provide the primary and major resources necessary for Researchers, Academicians, IT Industries, and Scientists to adopt and implement new inventions across the globe in this area.

This special section will focus on (but not limited to) the following topics:

- 5G Networks and IoT
- - Vehicular Communication and IoT
- - Cloud and IoT Collaboration
- - Load Balancing Algorithms for extreme Data Storage in IoT
- - Fog Computing and IoT Collaboration
- - Edge-of-things computing and IoT
- - Modeling of Industrial IoT heterogeneous wireless technologies, protocols and applications
- - Mobile IoT and 5G
- - IoT and Next Generation Networks Security
- - Big data analytics in IoT
- - New emerging architectures and Energy efficient protocols for IoT and sensor
- - Cohesion of WSN and IoT to build smart home, smart cities, and smart buildings
- - Smart grid communication architecture and IoT
- - Machine learning and data mining in IoT
- - Blockchain and IoT

Manuscript Preparation and Submission

Follow the guidelines in “Information for Authors” in the IEEE Transaction on Industrial Informatics <http://www.ieee-ies.org/pubs/transactions-on-industrial-informatics>. Please submit your manuscript in electronic form through Manuscript Central web site: <https://mc.manuscriptcentral.com/tii>. On the submitting page #1 in popup menu of manuscript type, select: SS on **Energy Management, Protocols and Security for the Next Generation Networks and Internet of Things**

Submissions to this Special Section must represent original material that has been neither submitted to, nor published in, any other journal. Regular manuscript length is 8 pages.

Note: The recommended papers for the section are subject to final approval by the Editor-in-Chief. Some papers may be published outside the special section, at the EIC discretion.

Timetable: **Deadline for manuscript submissions**
Expected publication date (tentative)

March 31, 2019
August 2019

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