IEEE Journal of Emerging and Selected Topics in Industrial Electronics

Special Section on:
'IoT for Energy Systems Sustainability'

With the recent wave of disruptive technologies, the deployment of the Internet of Things (IoT) is becoming ubiquitous, ranging from common home and personal appliances, commercial to industrial to sophisticated safety-critical systems, such as Micro grid, Micro grid clusters, Edge and block chain enabled micro markets, HAN/LAN/WAN enabled energy/demand management, driverless vehicles and new energy technologies. The IoT is addressing rising energy costs, sustainability, and code compliance by connecting, managing, and securing devices that collect data from sensors, sensor networks, and other cyber-physical systems. It is anticipated that by 2025 the number of IoT devices will grow globally to over 100 billion. This has the potential to generate revenue close to USD 11 trillion by the year 2025. Every person and every business will feel the impact. This special issue will present emerging aspects of IoT concepts, development, and applications in the field of disruptive technologies and provide an archival source for power engineering/ICT academia, IT developers, industry professionals on recent advances in the area of IoT-based solutions for industrial and energy systems sustainability.

We encourage all researchers working in this area to submit papers to this Special Section. Topics of interest include, but are not limited to:

- ✓ IoT Enabled Power Converter Technology
- ✓ IoT in Building Energy Management
- ✓ IoT role in Micro grid Demand Management
- ✓ IoT Opportunities in Micro grid Business Model
- ✓ IoT challenges in Smart Grid Cyber Security
- ✓ IoT in New Energy Technologies
- ✓ IoT in Energy Systems Sensors and Sensor Networks
- ✓ IoT Enabled Insulation Diagnostics and Asset Condition Management
- ✓ IoT Communication Protocol and Standards in Smart Energy Systems
- ✓ IoT role in Edge (HAN), Fog (LAN) and Cloud (WAN) Computing for Energy Systems

Manuscript Preparation and Submission

Check carefully the style of the journal described in the guidelines "Information for Authors" in the IEEE- IES website: http://www.ieee-ies.org/pubs/jestie. Please submit your manuscript in electronic form through: https://mc.manuscriptcentral.com/jestie-ieee/.

On the submitting page, in pop-up menu of manuscript type, select: "**IoT for Energy Systems Sustainability**", then upload all your manuscript files following the instructions.

Corresponding Guest Editor
Professor Syed Islam
Federation University
Australia
Email:
s.islam@federation.edu.au

Guest Editor
Prof. Rajkumar Buyya
The University of Melbourne
Australia
Email:
rbuyya@unimelb.edu.au

Guest Editor
Assoc. Prof. M A S Masoum
Utah Valley University
USA
Email:
MMasoum@uvu.edu

Guest Editor
Assoc. Prof. Hua Geng
Tsinghua University
China
Email:
genghua@tsinghua.edu.cn

Guest Editor
Assoc. Prof. S M Muyeen
Curtin University
Australia
Email:
sm.muyeen@curtin.edu.au

Timetable

Deadline for manuscript submissions:	Information about manuscript acceptance:	Publication Date:
30 April, 2021	Oct, 2021	January, 2022