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ACM/Springer Mobile Networks & Applications (MONET)

<http://link.springer.com/journal/11036>

SPECIAL ISSUE ON

The Smart Grid IoT

Overview: The smart grid can be considered as one of the strongest and specialized examples of the currently possible Internet of Things (IoT) applications within which millions of advanced sensors and interconnected devices, and embedded intelligence will be exploited to offer us better information for controlling our energy world. As the smart grid is expected to be eventually deployed across all utility networks, it will become a major application domain of the IoT, and may even be referred to as the Internet of energy (IoE). While the smart grid helps bring the IoT closer to reality, it also illustrates many challenges and dangers inherent to the IoT. This Special Issue opens the door to encourage researchers discuss the smart grid challenges, particularly from the IoT point of view to construct energy, control, and information processing systems of the smart grid.

In order to address and solve many of the tough challenges in the IoT enabled smart grid, prospective authors are cordially invited to submit their original and unpublished research contributions to this Special Issue on the following areas of (but not limited to) smart grid communications.

Topics

Topics of interest include, but are not limited to, the following scope:

- IoT enabled smart grid architectures and models	- Communication networks for smart grids and smart metering
- Advanced Metering Infrastructure (AMI) communication and management	- Sensor, actuator, and machine-to-machine (M2M) networks for smart grid
- Support for storage, renewable or green energy resources, and micro-grids	- Demand side management, demand response, and dynamic pricing for smart grid
- Smart grid cyber security	- Emerging applications, services, and management models of smart grid
- Reliability, availability, resiliency, and robustness of smart grid	- Simulation and performance analysis of smart grid communications and operations

Important Dates

- **Manuscript submission deadline: 03 December, 2016**
- Notification of acceptance: 03 March, 2017
- Submission of final revised paper: 15 April, 2017
- Publication of special issue (tentative): TBA

Submission Procedure

Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through <http://www.editorialmanager.com/mone/>.

A copy of the manuscript should also be emailed to the Guest Editors at the following email addresses: zfadlullah@ieee.org, spathan@ieee.org, and karan@mail.jnu.ac.in

This Special Issue is associated with the SGIoT 2017 conference (<http://sgiot.org/2017/show/home>). The policy of submission is noted below:

- Authors submitting to MONET -- given only few can be accepted for publication -- will have the opportunity to submit a shorter version of the paper to the conference and will get published and indexed;
- Authors that submit their papers directly to the SGIoT'17 (<http://sgiot.org/2017/show/home>) conference will be candidates for inclusion in the MONET issue.

NOTE: All submissions must be original and not under review in any other journal. Any duplicate submission would be straight rejected without any review.

Guest Editors:

- **Zubair Md. Fadlullah**, Tohoku University, Japan. Email: zfadlullah@ieee.org
- **Al-Sakib Khan Pathan**, Southeast University, Bangladesh. Email: spathan@ieee.org
- **Karan Singh**, Jawaharlal Nehru University, New Delhi, India. Email: karan@mail.jnu.ac.in