

SmartGridComNet

IEEE ISADS 2015 International Workshop on Smart Grid Communications and Networking Technologies (SmartGridComNet 2015)

March 25-27, 2015, Taichung, Taiwan

ISADS 2015: <http://isads2015.asia.edu.tw/>

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Important Dates:

Paper submission due:

September 24, 2014

Acceptance notification:

November 15, 2014:

Camera-ready paper due:

December 31, 2014

Smart grid which uses up-to-date communication and networking technologies to improve the efficiency, reliability, economics, and sustainability of the production, transmission, distribution and consumption of electricity is playing a key role in humanity development. Smart Grid communication and networking infrastructure will in most cases not be designed from scratch, but needs to reuse existing available technologies and infrastructures, hence forming a heterogeneous communication network in which varying communication properties need to be detected and managed. Major research effort is required to integrate these components, technologies, and protocols into a versatile communication solution that can support a wide variety of smart grid applications ranging from smart metering data collection and demand response to micro-grid management and interaction of medium-voltage substation control with low-voltage distribution grid management.

The objective of this workshop is to cover the most recent research and development on the enabling technologies of communication and networking for smart grid, and to stimulate more discussions on state-of-the-art research in this field. The topics of interest include, but are not limited to:

- Physical and MAC layer protocols, low power link layer technologies
- Interference assessment and mitigation
- Green communication and networking technologies
- Resource management and cross-layer optimization
- Capacity and network planning, resource and service discovery
- Multi-hop communication and mesh networking
- Smart metering and advanced metering infrastructure
- Communication protocols optimized for (real-time) information collection and control applications
- Demand response and dynamic pricing
- Cyber security and privacy
- Architectures, control, and operation of distributed energy resources (microgrid, electrical vehicles)
- Data management and grid analytics

Submission Information for Authors:

Original research works that have not been published previously or submitted elsewhere are welcome. Papers should be **within 6 pages in IEEE standard format**. All accepted papers will be published in the Proceedings of ISADS 2015. At least one of the authors of each accepted paper must register and present the paper at the workshop session at ISADS 2015. Manuscripts should be submitted electronically choosing the SmartGridComNet workshop at:

<https://www.easychair.org/conferences/?conf=isads2015>