

CALL FOR PAPERS

Special Session on **“Microgrids/Nanogrids**



Implementation, Planning, and operation”

SPIES 2020-2nd International Conference on Smart Power & Internet Energy Systems

June 02-04, 2019, Bangkok, Thailand



ORGANIZED AND CHAIRED by

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SPECIAL SESSION DESCRIPTION

Microgrid concept is introduced to have a self-sustained system consisting of distributed energy resources, energy storage systems, responsive and critical loads that can operate in an islanded mode during grid failures. Moreover, microgrids and nanogrids are potential solutions for providing a better electrical service for both insufficiently supplied and remote areas. In microgrid, an energy management system is essential for optimal use of the distributed energy resources in intelligent, secure, reliable, and coordinated ways. Microgrids networking with an optimal energy management will lead to a sort of smart grid with numerous benefits such as reduced cost, and enhanced reliability and resiliency.

The objective of this special session is to address and disseminate the state of the art research and development results on the implementation, planning, and operation of microgrids/nanogrids, where energy management is one of the core issues.

TOPICS COVERED

- Implementation of control and optimization techniques in grid-connected and islanded modes;
- Peer-to-peer energy management systems and energy trading in community microgrid;
- Power grid resilience enhancement through microgrid facilities;
- Building (nanogrid) integrated energy management and monitoring systems;
- Applied IoT architecture and communication technologies for smart microgrids;

Schedule:

[Deadline for submission of the paper \(s\) to the EasyChair submission site by selecting the desired special session- January 10, 2020](#)

For additional information please visit www.icpies.org

Notification of acceptance – February 29, 2020

Deadline for submission of final manuscripts through EasyChair- March 10, 2019

Technical Co-sponsors:



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