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Important Dates

Full paper Submission

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Final decision notification

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Publication of Special Issue

Thursday, December 31st, 2015

**China Electric Power Research
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Call for Papers

Special Issue on " Smart Grid Energy Management "

Energy Management System (EMS) is well known, as the brain of the control center of power grid operation, for real-time monitoring, security assessment, dispatch schedule and system-wide control of power systems. Over the past two decades, power grids evolve with emerging of new elements and features, such as intermittent renewable energy sources (RES), demand side response (DSR), electric vehicles, PMUs, active distribution grid and micro-grids, etc. All these bring changes of EMS with the following aspects: 1) Centralized architecture evolving to distributed architecture; 2) Analysis methods considering system uncertainties; 3) Security assessment considering both physical and cyber systems; 4) Wide-area close-loop control; 5) Distributed energy management system family covering all sections of power grids (i.e., generation, transmission, distribution, micro-grids, buildings/homes and EVs). This Special Issue will focus on the latest research and development in Smart Grid Energy Management.

Topics of interest of this Special Issue include, but are not limited to the following aspects of Smart Grid Energy Management:

- Architecture, platform and analytic methods for hierarchical /distributed energy management, including monitoring, security assessment, dispatch schedule and control.
- Analytic methods for energy management considering uncertainty
- Energy management technologies for smart transmission grids
- Energy management technologies for active distribution grids and micro-grids
- Energy management technologies for RES stations/bases
- Energy management technologies for demand-sides (home/building, electric vehicle, demand response, et al)
- Advanced EMS applications based on PMU and WAMS
- Security, resilience and extensibility of EMS as a cyber-physical system
- Big data analytics and visualization for EMS applications
- Energy management for integrated energy systems
- Field applications and experiences of smart grid EMS

This Special Issue solicits original work on Smart Grid Energy Management that must not be under consideration for publication in other venues. Full papers are solicited for reviews. Authors should refer to the CSEE JPES author guidelines at http://www.csee.org.cn/data/CSEE_JPES/ for information about content and formatting of submissions. Authors can download the template at: http://www.csee.org.cn/data/CSEE_JPES/CSEE_TEMPLATE.docx

Submission Format and Guidance

All submitted papers must be clearly written in excellent English and contain only original work, which has not been published by or is currently under review for any other journal or conference. Papers must not exceed 8 pages (two-column, at least 11pt fonts) including figures, tables, and references. A detailed submission guideline is available as "Guide to Authors" at: <https://mc03.manuscriptcentral.com/cjpes>

All manuscripts and any supplementary material should be submitted via the ScholarOne system of CSEE JPES. The authors must give a reference "SI: Smart Grid Energy Management" in the submission cover letter. The CSEE JPES website is located at: http://www.csee.org.cn/data/CSEE_JPES/

All papers will be peer-reviewed by three independent reviewers. Requests for additional information should be addressed to the guest editors.