

Call for Papers

Special Issue on “Cyber-Physical System Technologies for Sustainable Power and Energy Systems”

Important Dates

Full Paper Submission: August 30, 2020

Final Decision Notification: November 30, 2020

Publication of Special Issue: January 31, 2020

Sustainable development of Power and Energy system (PES) can effectively handle the challenges of fuel shortage, environmental pollution, climate change, energy security, etc. It requires not only the penetration and utilization of renewable energy, recyclable equipment and energy-saving strategies, but also the Internet-of-Things (IoT) based information technologies. These state-of-the-art information technologies enables the increasing interaction between the cyber space and the physical space, which can significantly improve the control capability to accommodate sustainable development of PES. However, there can be drastic risk propagation between cyber space and physical space in the smart grid. To address this challenge, novel views and technologies for sustainable development of PES are needed.

In order to promote the theoretical and practical research in the field of cyber-physical system technologies for power and energy system, CSEE Journal of Power and Energy Systems (CSEE JPES) editorial board invites Prof. Dong Liu from Shanghai Jiao Tong University and Prof. Shiyan Hu from University of Southampton to preside the special issue of "Cyber-Physical System Technologies for Sustainable Power and Energy Systems". Topics of interest include, but are not limited to:

- Sustainability development of Power & Energy Systems.
- Cyber-physical interaction mechanism for Sustainable Power & Energy Systems.
- Optimal operation of Sustainable Power & Energy Systems.
- IoT techniques for Sustainable Power & Energy Systems.
- Risk assessment for Sustainable Power & Energy Systems.
- Situational awareness for Sustainable Power & Energy Systems.
- Cyber physical modelling and simulation of Sustainable Power & Energy Systems.
- Cyber security techniques for Power & Energy Systems

Guest Editors-in-Chief:



Prof. Dong Liu
Shanghai Jiao Tong
University,
China



Prof. Shiyan Hu
University of
Southampton
,
UK



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University of
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Germany



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