CSEE Journal of
Power and Energy Systems

Call for Papers

Intelligent Control and Enhanced Restoration in Urban Power Energy System

Important Dates

Full Paper Submission: July 31, 2021

Final Decision Notification: October 31, 2021

Publication of Special Issue: January 30, 2022

Integrated urban power energy systems provide platforms for the comprehensive interconnection, utilization and shared of all types of energies. With the progress of society and economics, urban power energy systems are increasingly required to be safe, low-carbon, reliable and efficient. Meanwhile, the rapidly increase of high-proportioned renewable energies and large-scale electric vehicles will lead to enormous structural changes and complex operating conditions of urban power energy systems, especially according to the explosive growth of clean energies driven by the long-term climate goal of carbon neutrality by 2060. Urban distribution power systems are significant carriers of urban power energy systems. Hence, on the condition of continuous increase of multiple new grid-connected elements, it comes to be a crucial issue to achieve the reliable and low-carbon operation of distribution power systems through intelligent control considering various operation characteristics of new elements. Moreover, due to the large density and high importance of urban loads, the rising probabilities and high impacts of power outage will cause huge influence to distribution power systems, even the stability of society will be affected, so the restoration capabilities of urban distribution power systems are necessary to be enhanced. Therefore, in order to meet the requirement of grid-connected renewable energies and large-scale electric vehicles, current urban power energy systems are facing major chances and challenges, and ask for research on key technologies, such as efficient operation and restoration, which will lay the foundation of carbon neutrality.

In order to promote the theoretical and practical studies in the control and restoration of urban power energy systems, the editorial board of the CSEE Journal of Power and Energy Systems (CSEE JPES) invites potential authors to submit articles for review and publication in the special issue of CSEE on intelligent control and enhanced restoration in urban power energy systems. Topics of interest include, but are not limited to:

- Analysis and Modeling of High-Dimensional Data in Urban Power Energy Systems
- Flexible Operation of Hybrid AC/DC Power Energy Systems
- Intelligent Control for Reliable Operation in Flexible Power Energy Systems
- Dynamic Restoration of Hybrid AC/DC Power Energy Systems
- Theory and Method of Coordinated Operation in Urban Power Energy Systems with Sources, Networks, Loads and Storages

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