Special Issue

Design, Planning and Evaluation of Flexible Power Systems

Message from the Guest Editors

Power systems undergo transitions into smart renewable era. With renewable energy penetration into grid, challenges exist in attaining balance between variable supply and demand. Power supply is variable due to renewable power generation uncertainty. So, energy management is essential to ensure energy efficient power system operation. Power system flexibility is new term introduced to account for both aspects of management and control at supply and demand sides and the link between them. With power market players and their diverse goals and renewable energy infrastructure expansion, more research is mandated to enhance sustainability in energy management system and attain energy autonomy in lucrative market. This issue targets research on power system flexibility by proposing solutions for power system management covering its optimal and efficient design, planning, control and operation. The call also targets assessing data modelling impact on power system uncertainty and solutions

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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