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Design and Optimization of Energy System Based on Demand Response

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Deadline for manuscript
submissions:
closed (1 October 2023)

Message from the Guest Editors

The contributions to this Special Issue will focus on the optimal design, operation, and management of energy systems based on DR programs. Although the development of new and advanced demand response programs and approaches is necessary to better take advantage of consumer flexibility, more work needs to be done on the effective design and management of energy systems. On the one hand, the integration of energy systems with their infrastructures and the increasing penetration of renewables, as well as energy sectors coupling, provide opportunities to realize the full potential of DR programs to improve system reliability and ancillary service delivery. On the other hand, the digitalization of energy systems and the use of information and communication technologies open new opportunities for the development of new energy systems designs and effective energy management systems. Contributions reporting real-world case studies are also welcome. All submitted manuscripts will be peer-reviewed in accordance with the quality standards of *Designs*. This Special Issue encourages the submission of original research and literature reviews manuscript.



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Special Issue



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Message from the Editor-in-Chief

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