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# **Demand Response Optimization Techniques for Smart Power Grids**

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Deadline for manuscript submissions:

closed (30 April 2022)

## Message from the Guest Editors

Dear Colleagues,

As part of the net-zero emission goals, the future of electric power grids is currently shaped by higher penetration levels of renewable energy sources, increasing adoption rates of plug-in electric vehicles (PEVs), and electrification of heating and cooling appliances. This transformation calls for dynamic energy management and scheduling of demand-side activities that can be realized by employing a set of enabling technologies such as wireless networks, smart meters, internet-of-things (IoT)-based sensors, and intelligent load switches. Demand response (DR) schemes have emerged as a way to shape electricity consumption profiles to optimize the operational costs typically defined as a combination of electricity prices, customer comfort, and load flexibility.

This Special Issue is an ideal venue to make innovative contributions to novel architectures, optimization, and control of DR. We invite field experiments, simulation-based, and/or analytical studies with well-elaborated realistic case studies and real-world datasets.











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## Message from the Editor-in-Chief

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