



Mentor Program: Smart Controller of Energy Aggregators in Distributed Energy Resources

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on advanced strategies for controlling multiple aggregators, such as i) local network aggregators, in which the network is considered; ii) demand-side general aggregators, which manage different asset types without considering the grid operation; iii) specialized energy aggregators, which exploit the specific knowledge of a type of asset; and iv) energy community aggregators, in which multiple sources (generation and demand) of various kinds participate. These smart control strategies consider the dynamics of flexible loads such as electric vehicles, battery storage, cooling and heating systems, thermoelectric refrigerator units, and pool pumping systems, among other flexible loads.

- smart grid
- energy aggregators
- balancing service provider
- flexible loads
- distributed control
- optimization techniques
- electric vehicles
- vehicle-to-grid
- thermostatic controlled loads
- control strategies





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Message from the Editor-in-Chief

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