

## Special Issue

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

### Message from the Guest Editors

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

### Guest Editors

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### Deadline for manuscript submissions

closed (15 October 2024)



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*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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