



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

Guest Editors:

Dr. Cesar Diaz-Londono

Department of Electronics,
Information and BioEngineering,
Politecnico di Milano, 20133
Milan, Italy

Dr. Giambattista Grusso

Department of Electronics,
Information and BioEngineering,
Politecnico di Milano, Piazza
Leonardo da Vinci, 32, 20133
Milano, MI, Italy

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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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Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

Message from the Editor-in-Chief

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Electronics Editorial Office
MDPI, Grosspeteranlage 5
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