

Special Issue

Research Advances in Modeling, Optimization, and Control of Distributed Energy Systems

Message from the Guest Editors

This Special Issue addresses problems related to the planning and operation of distributed energy systems. It seeks high-quality papers that focus on the planning, management and control of these systems. With the increasing integration of small renewable energy resources, these issues have become very important. Several aspects have to be considered, such as the following:

- Optimal operation that takes into account the contribution of small production units.
- Demand-side management and load shedding that favors the use of intermittent production units at the time of their availability.
- Accounting for instability problems due to the variable production of units.
- In the case of available storage units, managing the use of the energy stored and used in the network.

In this Special Issue, papers addressing these challenges and others related to the modeling, optimization, and control of distributed energy systems will be considered.

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