



Advanced Coordinated Optimization Strategy of Electric Vehicle and Smart Grids

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Message from the Guest Editors

Dear Colleagues,

A shift in society towards decarbonization and environmentally friendly lifestyles has brought many challenges for the operation and control of electrical power systems. This Special Issue aims to gather and present original contributions and reviews focused on advanced optimization strategies related to electric vehicle operation, charging, and utilization within smart grids.

- Electric vehicle operation modeling;
- Battery charging modeling;
- Electric vehicle operation and charging predictions;
- Optimization of electric vehicle fleet coordination;
- Coordination between transportation and electrical power system sectors;
- Optimization of electric vehicle charging;
- Impact of different electric vehicle charging strategies on electrical power systems;
- Advanced strategies of smart grid operation and control;
- Vehicle-to-X concepts;
- Cooperation of renewables and electric vehicle charging stations.

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Message from the Editor-in-Chief

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