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Special Issue Reprint

## Intelligent Optimization and Control Modeling in Power and Energy System

**Edited by: Yuan Cao, Chunsheng Wang and Liqing Liao**

The Reprint contains the 12 articles accepted and published in the special issue “Intelligent Optimization and Control Modeling in Power and Energy Systems” of the MDPI journal *Mathematics*, presenting a wide-ranging exploration of advanced control and optimization techniques. These research works cover critical topics such as the optimization and scheduling of microgrids, distributed renewable energy generation, and energy system health state estimation, alongside advancements in electric vehicle (EV) charging and data-driven modeling for dynamic power simulations.

We hope that this volume will be a useful and interesting resource for scholars and engineers in the fields of power systems and applied mathematics who are seeking to leverage artificial intelligence and sophisticated mathematical modeling to improve energy efficiency and system performance.

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