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Challenges and Research Trends of Distributed Control and Optimization

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Deadline for manuscript submissions:
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Message from the Guest Editors

This Special Issue aims to collect and represent the recent challenges and advances in fundamental research and technical trends of distributed control and optimization. Besides, it also focuses on the new development of distributed control and optimization methodologies in practice-oriented complex systems, especially, microgrids and renewable energy systems.

Topics of interest include, but are not limited to:

- Advanced methods in distributed control or optimization for complex systems;
- New distributed control architectures for multi-agent systems;
- Theories regarding distributed optimization of network systems;
- Coping with uncertainties or disturbances in distributed control or optimization;
- New theories and methods for mathematical analysis of distributed control and optimization (regarding convergence, optimality, stability, robustness, and so on);
- Advanced distributed control and optimization algorithms in energy systems (for examples, smart grids, mcrigrids, renewable energy systems, and so on)
- Hierarchical architectures in distributed control and optimization

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Message from the Editor-in-Chief

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