# **Special Issue**

# Future Trends of Sustainable Electricity Supply and Power System Decarbonization

### Message from the Guest Editors

This Special Issue aims to cover technical and economic issues arising from the future trends of sustainable electricity supply and power system decarbonization. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Evolution path analysis for sustainable electricity supply transition
- Advanced transmission and storage technologies for sustainable electricity supply transition
- Emerging decarbonization techniques for coal-fired power plants
- Multi-energy synergy facilitating the sustainable electricity supply transition
- Optimal operation and planning for renewable-based power systems
- Reliability and resilience for renewable-based power systems
- Demand response management for renewable-based power systems
- Market design for renewable-based power systems
- Data analytics and machine learning for renewablebased power systems
- Modeling of carbon emission flow and carbon-power coordination ...

### **Guest Editors**

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### Deadline for manuscript submissions

closed (26 October 2024)



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### Editor-in-Chief

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