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Virtual Power Plants: ICT-Based Control and Optimization

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Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editors

The topics may include, but are not limited to, the following:

- Advancements in the architectural model of the future-generation virtual power plant;
- VPP communication protocol and network security;
- ICT-based innovative energy management for VPP;
- ICT-based demand response management of VPP;
- Data analytics for VPP;
- Big data management and control;
- Critical design issues of VPP;
- Intelligent and modern control design for VPP;
- Machine learning and artificial intelligence technologies for VPP;
- Advancing grid-forming inverter technology for VPP;
- Software development and management for VPP;
- Networked communication of VPP;
- Operational flexibility and scalability of VPP;
- Market modeling and social benefits of VPP;
- Emerging technologies for VPP.



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Special Issue



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Message from the Editor-in-Chief

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