Advances in Power Systems Digitisation and Automation

Guest Editor:

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Deadline for manuscript submissions:
closed (8 May 2024)

Message from the Guest Editor

This Special Issue on "Power System Digitization and Automation" aims to curate novel advances in the development and application of digital technologies to address challenges in the digitization transformation of the power system. Topics include but are not limited to:

- Big data, data modeling, and enhanced analysis—prediction maintenance, planning, and operational changes;
- Application of standards, such as the common information model (CIM) substation —electricity or energy market, and IEC61850 data communications;
- Function digitalization through more connectivity and IoT, such as virtual power plant and digital twins of power network operation and control;
- Technology progressing to "decentralization" disruptive forces reshaping energy transition through, for example, new merging of digital technology and new best practices and business models in term of digitalization in power systems;
- Cybersecurity, such as methods and applications of cyber risk analysis, intrusion detection, intrusion response and recovery.
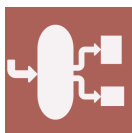
Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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