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Monitoring and Distributed Control for Power Systems

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Message from the Guest Editor

The power distribution system now integrates energy communities and microgrids, including DC grids, different energy vectors (e.g., electricity and gas), new loads (e.g., e-vehicle recharging stations), renewable energy sources, and storage. Business level changes affect the roles of distribution system operators, their relation to transmission system operators, aggregators, third party service providers.

The digitalization of the entire sector results in new concepts for platforms, applications, and services. Use, production, and protection of data relevant to the power system is key to these developments.

In this context, the development of new monitoring and control solutions is proceeding at a fast pace to handle the complexity and to adapt to dynamically changing operating conditions, including extreme cases, such as reconfiguration and black start.

This **Special Issue** will present the concepts, technologies, methods, and applications that promise to push the active electrical distribution systems forward.



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Special Issue



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Message from the Editor-in-Chief

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