

## Special Issue

# Approaches and Experiences of Monitoring and Control of Electrical Distribution Grids

### Message from the Guest Editors

Distribution systems are at the core of the energy transformation and electrification around the world. Monitoring and control requirements, standardization, and testing are changing. Digitalization and data-driven solutions emerge. Scientific research, technical development and deployment of new technologies are proceeding at different speeds and different Technology Readiness Levels. This Special Issue aims at disseminating the most recent advancements, in the form of concepts, theory, practical implementations, lessons learnt from numerical simulation and field demonstrations. **Topics of interest include, but are not limited to, the following:** Methods for grid monitoring; Methods for measurement; Forecasting; Techniques/workflows for the estimation, provision and use of flexibility; Challenges, approaches and experiences of automation and digitalization of grids; Data and data spaces; Design or practical integration of AI tools for grid monitoring and control. Disruptive concepts for future distribution grids, Standardization needs, Testing and certification **For more information, please scan the QR code.**

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### Guest Editors

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### Deadline for manuscript submissions

closed (28 February 2026)



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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

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