Special Issue

Analysis and Optimization Control of Active Distribution Networks and Smart Grids

Message from the Guest Editors

This Special Issue will gather high-quality research articles with original contributions to studies on the analysis and optimization control of active distribution networks and smart grids. Topics of interest include, but are not limited to:

- Forecasting of renewable generations and active loads in active distribution and smart grid;
- Modeling and optimizing techniques in optimal operation of active distribution networks and smart grid;
- Morphological evolution of active distribution networks and smart grid;
- Hosting capacity assessment for renewables in active distribution networks and smart grid;
- Flexibility and resilience quantification for active distribution networks and smart grid;
- Security risk analysis and defense of cyber-physical system of active distribution networks and smart grids;
- Stability analysis and control of active distribution networks and smart grids;
- Power quality analysis and control of active distribution networks and smart grids;

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Guest Editors

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Deadline for manuscript submissions

closed (31 August 2025)



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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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