

## Special Issue

# Advances in Power Converters in Energy and Microgrid Systems

### Message from the Guest Editors

This Special Issue offers an opportunity to share advancements that drive the energy transition, providing insights for academia and industry. Join us in exploring the future of power converters in energy and microgrid systems. Topics of interest include, but are not limited to, the following:

- Emerging power converter topologies;
- Power electronics for DC and hybrid AC/DC microgrid architectures;
- Power electronics for integration of distributed energy generators, energy storage, and loads into microgrids;
- Power electronics for e-mobility integration;
- Power electronics for electric drives in O&G applications;
- Power management strategies, distributed control, and cooperative control for power electronics systems in microgrids;
- Model predictive control (MPC) for power electronics systems in microgrids, electric drives, and e-mobility.

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### Guest Editors

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### Deadline for manuscript submissions

20 October 2025



## Processes

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