



## Efficient Renewable Energy Integration Technology in Low Voltage Networks

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### Message from the Guest Editors

The integration of renewable energy resources (RES) into low-voltage distribution networks (LVDNs) is a pivotal aspect of the ongoing energy transition, driven by the goals of sustainability and decarbonization. This transition, while promising, poses a set of formidable challenges.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

1. Interactions between Home-MG/Mini-MG and LVDN;
2. Voltage regulation/control of LVDN with RES;
3. Energy storage technology and management for renewable integration;
4. Power quality control and improvement in low-voltage distribution network with high proportion of RES;
5. Intelligent control and coordination for self-healing, autonomy and self-organization of LVDN;
6. Accurate power forecasting of distributed renewable generation in LVDNs.





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## Message from the Editor-in-Chief

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