

## Special Issue

# Advanced Power Transmission and Distribution Systems

### Message from the Guest Editors

Power transmission and distribution systems, which include power electronic converters, are becoming more crucial as renewable energy and electric car technology advances. Transmission and distribution networks increasingly have additional responsibilities in addition to providing energy to consumers, such as lowering carbon emissions and coordinating with other industries like transportation networks.

This Special Issue focuses on two primary areas: first, innovative power electronic equipment topology, control, and reliability, including DC circuit breakers, modular multilevel power transformers, and solid-state transformers, and second, cutting-edge techniques for modern distribution systems, including the proper planning, efficient and reliable operation, effective strategies of participating in markets, the mechanism design of local energy markets, and other relevant topics.

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### Guest Editors

Dr. Zhonghao Dongye

Dr. Xi Lu

Dr. Xiangyu Zhang

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### Deadline for manuscript submissions

15 August 2025



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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