

## Special Issue

# Intelligent Control and Optimization Technologies in Power Generation Systems

### Message from the Guest Editors

Currently, renewable energy and traditional fossil energy constitute the primary bases of power provision. High energy conversion efficiency plays a key role in power generation systems and can both improve the power generation and decrease the pollutant emissions. More importantly, intelligent control and optimization technologies are efficient ways of improving the performance of power generation systems with low cost and high efficiency. The scope of this SI includes the following: power generation system; renewable energy system; fuel cell; hydrogen power system; solar energy power system; energy storage devices; batteries; distributed energy resources; intelligent modeling on energy system; multi-objective evaluation and optimization; machine learning and deep learning; big data technology; power transmission technologies; building energy system; new energy vehicles; water and heat management in fuel cell; dynamic control in new energy system; robust control in new energy system; digital twin technique.

### Guest Editors

Prof. Dr. Xi Chen

Dr. Jia Liu

Dr. Yuxuan Ding

### Deadline for manuscript submissions

closed (15 July 2024)



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### 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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