

## Special Issue

# Future Smart Grids with High Integrations of New Technologies

### Message from the Guest Editors

In the future, smart grids, new technologies such as wireless power transfer, novel electric machines, smart meters, advanced power converters, new energy storage systems and artificial intelligence, etc., will play important roles in the energy transition from conventional fossil fuels to renewables. As the number of new technologies has significantly increased, it is clear that existing technical solutions and industry practices will no longer be suitable. Several critical issues in stability, security, safety, scalability, controllability, power quality and efficiency need to be addressed to bridge the gap among different areas. By considering the growing interest in applying those new technologies in modern power systems around the world, this research topic invites a broad spectrum of contributors to develop interdisciplinary technical approaches.

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### Guest Editors

Dr. Yun Yang  
Prof. Dr. Sidun Fang  
Dr. Liang Liang

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### Deadline for manuscript submissions

closed (31 March 2023)



## Energies

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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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