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State-of-the-Art Energy-Related Technologies in Australia 2023–2024

Guest Editor:

Prof. Dr. Akhtar Kalam

College of Engineering and
Science, Victoria University,
Melbourne 8001, Australia

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Message from the Guest Editor

Dear Colleagues,

We are pleased to present this Special Issue “State-of-the-Art Energy-Related Technologies in Australia 2023–2024”.

This Special Issue will provide a comprehensive overview of state-of-the-art energy-related technologies in Australia. We welcome research articles and reviews that will contribute to providing a consolidated, up-to-date perspective surrounding energy-related areas. Potential topics include but are not limited to the following:

- Distribution, planning, and operation
- Energy management
- Electric vehicles
- Intelligent control of power systems
- Load and frequency control
- Machines, AC and DC drives
- Power electronics
- Power system stability
- Renewable and distributed generation
- Smart grids
- Remote and isolated power systems with high renewable energy penetration
- Life cycle analysis
- Low-emissions technologies
- Green hydrogen
- Biofuels
- Carbon capture and storage
- Net-zero emissions
- Battery and renewable energy system integration
- Hybrid energy storage systems and power



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Special Issue



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electronics

- AC and DC microgrids for remote areas

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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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