

## Special Issue

# Emerging Topics in Electric Machines and Motor Drives

### Message from the Guest Editors

This Special Issue aims to present cutting-edge research, case studies, and comprehensive reviews that explore the integration of advanced machine learning techniques with electric machines and motor drives, highlighting the potential of deep learning in transforming the future of energy technology. Topics of Interest for Publications: 1.AI-enhanced control strategies for electric machines;2.Deep learning for predictive maintenance of motor drives;3.Optimization of electric motor designs using AI;4.Integration of renewable energy sources with electric machines;5.AI in power electronics for electric machines;6.Deep learning for electric vehicle motor control;7.Machine learning for electric machine fault diagnosis;8.AI-driven energy management systems for electric machines;9.Deep learning for electric machine thermal management;10.Innovative motor drive topologies enabled by AI;11.AI in robotics: enhancing mobility and manipulation;12.Deep learning for autonomous navigation in robotics;13.Machine learning for robotic perception and sensing;14.AI-driven robotic systems for industrial automation;15.Deep learning in flexible robotics for advanced task learning and adaptation.

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### Guest Editors

Dr. Majad Mansoor

Dr. Adeel Feroz Mirza

Dr. Muhammad Hamza Zafar

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### Deadline for manuscript submissions

closed (7 November 2024)



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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

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