## **Special Issue**

## Next-Generation Electric Machines: Design, Control, and Fault Diagnosis

### Message from the Guest Editor

The rapid electrification of transportation, industry, and renewable energy systems is driving unprecedented advances in electric machine technology. Nextgeneration electric machines must meet increasingly stringent efficiency, reliability, power density, cost, and sustainability requirements. This calls for the use of innovative approaches across the entire machine development lifecycle, in areas from conceptual design and advanced materials to control strategies and faulttolerant operation. This Special Issue aims to bring together cutting-edge research that addresses the design, modeling, control, and condition monitoring of emerging electric machine technologies. By covering both theoretical advancements and practical applications, this Special Issue seeks to provide a comprehensive perspective on the state of the art and future trends in electric machine research. Contributions are expected to include innovative methodologies, experimental validation, and crossdisciplinary insights that can accelerate the transition toward more sustainable and resilient electrical systems.

#### **Guest Editor**

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### Deadline for manuscript submissions

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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.

### Editor-in-Chief

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