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Applications of AI and Digital Twinning in Electric Machines

Guest Editor:

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Deadline for manuscript submissions:
closed (15 November 2024)

Message from the Guest Editor

Dear Colleagues,

The Special Issue, "Applications of AI and Digital Twinning in Electric Machines" hosted by MDPI *Machines*, aims to showcase cutting-edge research and innovative applications of artificial intelligence (AI) and digital twinning in the field of electric machines.

We are seeking contributions that explore the synergistic use of AI and digital twin technology in electric machines. Topics of interest include, but are not limited to:

- AI-driven predictive maintenance for electric machines;
- Design optimization and performance enhancement through digital twin modeling;
- AI-based fault detection and diagnosis in electric machines;
- Advanced control strategies using AI for electric machines;
- Energy efficiency improvement and resource management in electric machines through AI.

Dr. Farzad Ferdowsi
Guest Editor

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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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