

Special Issue

Wound Field and Less Rare-Earth Electrical Machines in Renewables

Message from the Guest Editors

The Special Issue aims to explore the broad value chain of wound field or less rare-earth electrical machines as enabling technologies for renewable energy transition or integration in areas such as wind power generation, road and rail transport, off-road traction, aerospace, wave energy, ship propulsion, grid stability, gravity energy storage, hydrogeneration, tidal, wave, geothermal, biomass and biogas, pumped hydro, flywheel, industrial automation and synchronous condenser, among others. The scope of the Special Issue will cover areas on multi-physics analysis, the design of novel topologies, control, evaluation, optimization, life cycle cost (LCC) and levelized cost of energy (LCOE) assessments, as well as the prototyping and experimental validation of applying the proposed electrical machines in the renewable energy landscape.

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Deadline for manuscript submissions

30 September 2026



Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



mdpi.com/si/222640

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About the Journal

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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