

Special Issue

Digital Twins for Magnetic Devices

Message from the Guest Editors

This Special Issue aims to present a collection of scientific manuscripts covering the theoretical and practical aspects associated with digital twin models and their applications for magnetic devices.

Contributions focusing on state-of-the-art and emerging developments in this field are welcome. Topics may include, but are not limited to, the following:

- Measurement and modeling of magnetic materials under different conditions;
- Multiphysics modeling and analysis;
- Reduced-order models for magnetic devices;
- Development of digital twin models for magnetic devices, including AI methods;
- Digital twins for the design, optimization, and manufacturing of magnetic devices;
- Digital twins for the condition monitoring, control, and reliability analysis of magnetic devices.

Welcome to [contribute!](#)

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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About the Journal

Message from the Editor-in-Chief

New phenomena and technological applications of magnetism are fascinating topics. The *Magnetism* journal aims to establish an international forum where both basic and applied developments in this field can be shared, on a budget-level peer-review publishing platform with other experts and non-specialists. The journal is inviting contributions from authors who wish to share their original work in any field related within this area, including fundamental mechanisms, theoretical models, novel magnetic materials and devices, magnetic nanostructures, magnetic recording, biomagnetism, etc. The journal will facilitate the author's process of submission and the peerreview steps for a high-quality and timely publication in order to reach the widest audience.

Editor-in-Chief

Dr. Gerardo F. Goya

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 37.5 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the first half of 2025).