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Symmetry in Micromagnetics and Spintronics

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Deadline for manuscript submissions:

29 February 2024

Message from the Guest Editors

Dear Colleagues,

The journal *Symmetry* plans to publish a Special Issue on Symmetry in Micromagnetics and Spintronics. Symmetry in magnetic materials is an often-occurred phenomenon. For example, due to the specific spatial symmetry of nanofibers with magnetic properties, extraordinary states of magnetization can be observed. Magnetic skyrmions also present symmetry in their geometry. Moreover, symmetry can occur at the starting equilibrium magnetization distributions of magnetic materials. Errors in simulation can destroy this symmetry, so appropriate techniques should be employed to keep errors within acceptable values.

This Special Issue will accept papers that relate to the abovementioned issues; papers on other issues of symmetry in micromagnetics and spintronics are also welcome for submission.



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Special Issue



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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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