Special Issue

Micromagnetics and Magnetization Processes in Nanomagnetism

Message from the Guest Editors

Nanomagnetism comprises the study of the novel physical phenomena that appear when magnetic systems are reduced to the nanoscale. Current thin film growth technology allows fabricating thin films and multilayers at sub-nanoscale and all the way down to angstrom precision. In addition, the precise control in nanoscale fabrication offered by modern lithography now makes it possible to produce samples composed of high-quality nanostructures in magnetic films. This new control over the sizes, periods, and symmetry of nanostructures enables not only the fabrication of new systems of potential technological interest but also systems in which fundamental properties of mesoscopic matter can be investigated in depth.

This Special Issue "Micromagnetics and Magnetization Processes in Nanomagnetism" focuses on different areas of nanomagnetism. Contributions to the collection may cover topics including but not limited to magnetization processes in magnetic nanostructures, magnetic thin films and multilayers, micromagnetic simulations, magnetization dynamics, and magnetization reversal processes, among others.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Magnetochemistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties. *Magnetochemistry* is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

Editor-in-Chief

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