Special Issue

Magnetic Surfaces: Thin Films and Nanostructures

Message from the Guest Editors

The magnetic state of atoms or ions is driven by their co-ordination and the magnetic interactions with the surroundings. The inevitable disturbance of translational symmetry on the surface of a solid and at interfaces is likely to show strong magnetic peculiarities. Due to this reason, surface magnetism is tightly connected with thin films, multilayers and nanoparticles. Surface magnetism has implications in several areas of condensed matter physics, materials science, and nanotechnology. The advancement in magnetic measurement technologies has further excelled the research on surface magnetism for fundamental understanding as well as technological aspects. Therefore, in this Special Issue, the aim is to highlight the latest developments in:

- Magnetic thin films and multilayers;
- Magnetic nanoparticles and nanostructures;
- Interface magnetism;
- Proximity effect;
- Magnetic domains;
- Modification of magnetic surfaces;
- Neutron and Synchrotron in magnetism.

In this Special Issue, we welcome original research articles as well review articles which cover the fascinating field of surface magnetism.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 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

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