Special Issue

Emerging Topics in Superconductors and Nanomaterials

Message from the Guest Editors

In recent years, studies of the impact of complex geometry and nontrivial topology have vigorously entered various disciplines, from condensed-matter physics through soft-matter physics and chemistry to biology and mathematics, giving rise to an emerging domain of investigation of topological and chiral superconductor and magnetic structures at micro- and nanoscales. The goal of the present Special Issue is to summarize the state of the art in the field and outline the vision for advancing the future research in topological superconductors and hybrid superconductor–magnetic nanoarchitectures as well as their application prospects as novel quantum materials. Advanced experimental techniques capable of fabrication and characterization of magnetic, superconductor and hybrid nanostructures will be discussed. Special attention will be devoted to the excitations in superconducting and magnetically ordered materials, their dynamics and interactions.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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