Special Issue

Magnetic Materials and Devices

Message from the Guest Editors

Nanosized magnetic materials are key components for devices that find applications in microelectronics, bioengineering, data science, computing, telecommunications, and medicine. Novel and exciting magnetic phenomena have been observed in the past few decades, and they will certainly be useful in designing devices that might revolutionize those fields in the future. Ranging from memories based on skyrmion manipulation to ultrafast resonant devices, the search for potential applications is challenging. We are looking for studies discussing potential applications of magnetic systems with at least one nanometric dimension, based on phenomena such as exchange bias, spin dependent transport, topologically protected spin textures, or antiferromagnetic resonance. This Special Issue seeks to showcase short communications, research papers, and review articles that focus on magnetic systems with technological appeal, not necessarily presenting a working device.

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