Special Issue

Advances in Chiral Magnetism

Message from the Guest Editor

Chiral structured magnetic materials have attracted considerable attention in recent years due to the topological nature of their magnetic structures, which includes the formation of noncollinear and noncoplanar spin textures with long length-scale modulations. These magnets represent promising components for future nanometer-scale quantum-information technology applications. Magnetic skyrmions and chiral soliton lattice are examples of noncollinear spin textures which offer great potential for future spintronic applications. In this Special Issue, entitled "Advances in Chiral Magnetism", the following topics will be covered:

- Noncentrosymmetric and chiral magnetism;
- Skyrmions;
- Chiral soliton lattice;
- Nanoscopic chiral domain walls;
- Soliton pair dynamics;
- Dzyaloshinskii–Moriya interaction.

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Message from the Editor-in-Chief

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