



New effects in 3D magnetic nanostructures with complex geometries

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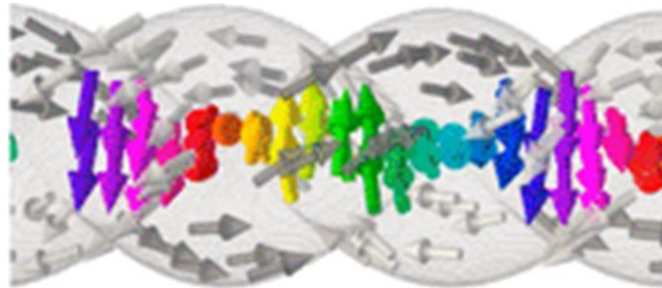
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The expansion of nanomagnetism to three dimensions provides exciting opportunities to explore new physical phenomena, and at the same opens great prospects to create 3D magnetic devices for future technologies.

In this talk, I will present our recent work dedicated to the advanced fabrication, characterization and operation of 3D magnetic devices. In particular, I will focus on the controlled motion of domain walls in 3D magnetic interconnectors, as well as the new types of spin textures and magnetic stray field states which can be realized in 3D helical geometries formed by interlaced nanowires.



Chiral domain wall realized in a double helix nanostructure exploiting 3D geometrical effects.

08.10.2021 at 09:00

Seminarraum A, Währinger Straße 17, 2nd floor, 1090 Wien

Due to Covid-19 restrictions please join on-line:

<https://univienne.zoom.us/j/96987999634?pwd=WmVDdGdPaG9JU0RTTnFtcW1VNk1pdz09>

Meeting ID: 969 8799 9634

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