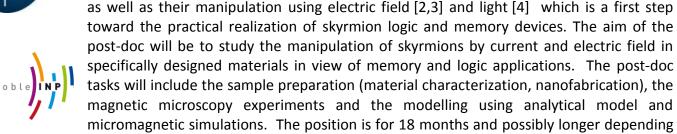




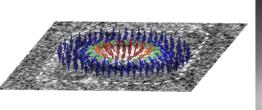
## Post-doctoral position in spintronics on magnetic skyrmions at Spintec

**Spintec invites application for a postdoctoral fellowship in spintronics on magnetic skyrmions.** Magnetic skyrmions are nm scale topological spin texture that hold great promise for storing and manipulating the information at the nanoscale. Spintec recently demonstrated magnetic skyrmions at room temperature in ultrathin nanostructures [1]





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on the project outcomes and funding.

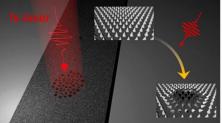


Fig.1 Left X-ray microscopy image of a magnetic skyrmion and its schematic representation [1]. Right: Illustration of the creation of a skyrmion lattice in ultrathin films using fs laser pulse excitation [4].

This position is part of a larger project with the aim of pushing forward fundamental knowledge on magnetic skyrmions in view of technological applications for memory and logics. Applicants should hold a phd in solid state physics or related discipline. An expertise in nanomagnetism or spintronics as well as nanofabrication would be a strong asset.

Applicants should send a CV and a letter of motivation to Olivier Boulle, <u>olivier.boulle@cea.fr</u>. Spintec is located in Grenoble, France.

- [1] O. Boulle et al., Nat. Nanotechnology **11**, 449 (2016).
- [2] T. Srivastava et al., Nano Lett. (2018).
- [3] M. Schott et al., Nano Lett. 17, 3006 (2017).
- [4] S.-G. Je et al., Nano Lett. (2018).

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