



Contribution ID: 32

Type: **Keynote**

## Energetics of skyrmions in chiral magnets

*Thursday, 6 June 2019 08:30 (1 hour)*

Topological spin textures in chiral magnets such as skyrmions attract great interest as a possible route towards spintronics devices. Central to the suitability for applications are the mechanisms controlling the long-term stability and decay processes. Starting from the mechanisms of stabilization the role of kinetic arrest and supercooling will be addressed. These identify topological magnetic order far from equilibrium as an exciting approach for the exploration of the fundamentals of topological protection and in the search for novel electronic phases.

**Primary author:** PFLEIDERER, Christian

**Presenter:** PFLEIDERER, Christian

**Session Classification:** Dynamics of magnetic textures: domain walls, vortices and Skyrmions

**Track Classification:** Dynamics of magnetic textures: domain walls, vortices and Skyrmions