

# **Stavros Komineas**

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## **Vortices and solitons in condensed matter and in magnetic materials**

Topological and non-topological solitons are common in condensed matter systems. My main focus will be on vortices in films, that is, swirling configurations which are stable localised structures with particle-like properties. Vortices appear not only in fluids but also in superfluids (quantised vortices), in magnetic materials (magnetic vortices) and indeed across condensed matter.