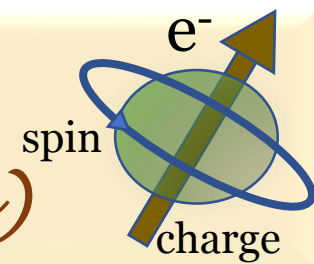




# W2S Seminar

(Webinar series on Spintronics)



## Magnetic x-ray spectroscopies of novel topological spin textures



Speaker:

**Prof. Peter Fischer**

Material Sciences Division, Lawrence Berkeley  
National Laboratory, Berkeley CA  
Physics Department, UC Santa Cruz CA

**Date and time:**

**18.2.2021 at**

**11.00AM**

**via**

**Zoom**

### **Abstract**

Spin textures and their dynamics are key to understand and control properties, behavior and functionalities of novel magnetic materials. Topology, frustration, and bespoke geometries that impact spin textures have fueled scientific interest and led to intense research addressing a broad spectrum of challenging scientific and technological questions. Advanced characterization tools to characterize such spin textures, disentangling the role of individual components in heterogeneous material at high spatial resolution, at buried interfaces and in all three dimensions, and at high temporal resolution to capture the spin dynamics across scales, are required to address those questions. I will review recent achievements and future opportunities with magnetic x-ray spectro-microscopies, including static and dynamic properties of skyrmions and Hopfions with high spatial and temporal resolution.

If interested to attend then please visit <https://www.niser.ac.in/w2s-seminar/index.php>