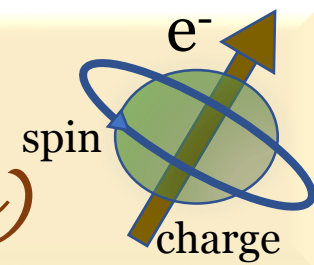




W2S Seminar

(Webinar series on Spintronics)



Interface Effects in Spintronics

With a focus on the effects associated with heavy metals



Speaker:

Prof. Del Atkinson
Department of Physics
Durham University, UK

Date and time:

09.07.2020 at 11am

Via

Google meet

Abstract

Many physical mechanisms in spintronic magnetism are linked to electronic interactions across the interface between magnetic and non-magnetic heavy metal thin-film layers. These interfacial interaction phenomena can be significant for applications, such as interfacial anisotropy, interfacial Dzyaloshinskii-Moriya interactions (iDMI) and the proximity-induced-magnetization (PIM) of heavy metals in contact with a FM layer. The interface also plays a key role in efficient spin transport needed for SOT and spin-pumping. In this talk these phenomena will be introduced before focusing on PIM and iDMI in Pt systems.

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