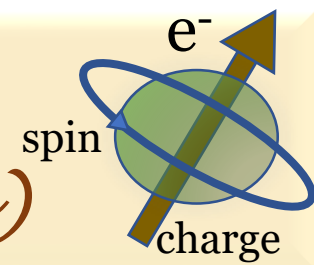




W2S Seminar

(Webinar series on Spintronics)



Engineering spin-orbit torque in novel magnets

Speaker:

Prof. Aurélien Manchon
Aix-Marseille Université, CNRS, CINaM
France

Date and time:

18.08.2021 at
3.00 pm IST
i.e. 11.30 am CET

Abstract

Magnetic materials lacking inversion symmetry constitute a unique platform for the exploration and control of magnetism using charge currents. In this presentation, I will first discuss the nature of interfacial spin-orbit coupling in magnetic multilayers and examine how it promotes spin-orbit torques. I will review various key aspects of this torque (symmetries and orbital origin) and will discuss in particular a newly discovered component that allows for field-free switching.

To attend the lecture please visit

Zoom link: <https://us06web.zoom.us/j/95373669224>

Contact: Dr. Subhankar Bedanta (Convenor W2S)

Email: w2s-spintronics@niser.ac.in

For more information on W2S seminars please visit : <https://www.niser.ac.in/w2s-seminar/>