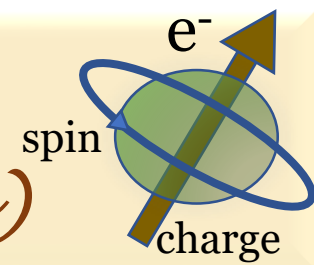




W2S Seminar

(Webinar series on Spintronics)



Magneto-ionics: using ionic motion to control magnetism



Speaker:

Prof. Liza Herrera Diez
CNRS and Université Paris-Saclay,
France

Date and time:

17.02.2022 at
8.00 pm IST
i.e. 3.30 pm CET

Abstract

Reliable and dynamic control of magnetic properties in technologically relevant magnetic materials is at the heart of a variety of emerging practical applications in spintronics. Gate voltage-controlled ionic diffusion in magnetic devices has shown to provide non-volatile control of perpendicular magnetic anisotropy, the Dzyaloshinskii Moriya interaction, as well as the velocity and pinning of magnetic domain walls, opening a solid path towards novel multifunctional spintronics devices. In this talk, I will present an overview of this exciting field, what it means for practical applications, and discuss the physical mechanisms involved.

To attend the lecture please visit: **Passcode: 993940** Zoom link:
<https://us06web.zoom.us/j/83352012288?pwd=RIBDeHR2SkROOUNjZTZhb01INEpGUT09>

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/>