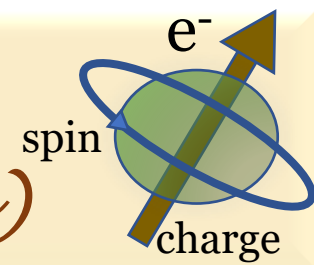




W2S Seminar

(Webinar series on Spintronics)



Magnon spintronics

Speaker:
Prof. Arabinda Haldar
Indian Institute of Technology, Hyderabad

Date and time:
**03.09.2020 at
6.30 pm**
Via
Google meet

Abstract

Magnon spintronics or magnonics – magnetic analogue to photonics – is emerging as a promising post-CMOS (complementary metal-oxide semiconductor) information processing technology where magnons (quanta of spin waves) carry the information instead of charge. We present our recent research works on the control of such magnetization dynamics for spintronic and microwave devices. We are primarily interested in ultra-thin magnetic films including multilayers, novel interfaces and patterned nanostructures in order to explore emerging phenomena such as inverse spin Hall effect, spin orbit torque and spin pumping. We introduce various high frequency measurement techniques (ferromagnetic resonance, micro-Brillouin light scattering), nanofabrication and micromagnetic methods.

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