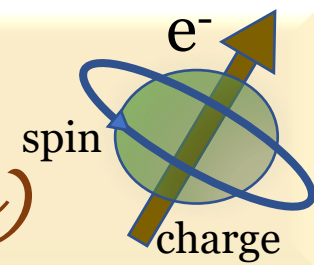




W2S Seminar

(Webinar series on Spintronics)



Domain wall dynamics and Spin transfer torque bias (STTB) in an Inverse Heusler alloy nanostructures

Speaker:

Prof. S. Narayana Jammalamadaka
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Date and time:
20.01.2021 at
8.00 pm IST
i.e. 3.30 pm CET

Abstract

Heusler alloy (HA) thin films have been of great interest due to their multi – functional properties apart from their applications in spintronic devices due to half metallic in nature. This talk would aim towards the domain wall dynamics pertinent to inverse Heusler alloy Fe_2CoSi single layer and $\text{IrMn}/\text{Fe}_2\text{CoSi}$ bilayers. In addition, domain state configuration and switching field distribution of single layer Fe_2CoSi through first order reversal curve (FORC) will be discussed. Finally I would also discuss about **spin transfer torque bias (STTB)** that we evidenced through micro-magnetic simulations in an infinitely long ferromagnetic nanowire.

To attend the lecture please visit: **Passcode: 542231** Zoom link:
<https://us06web.zoom.us/j/88280239690?pwd=eWVuNCtmRjl2WDZFcUkrQ2FDZ2VHQQT09>

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