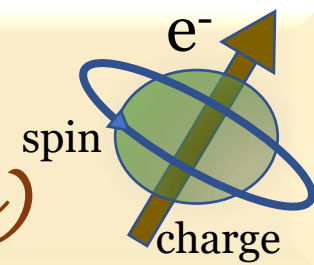




W2S Seminar

(Webinar series on Spintronics)



Spin Hall Effects

Speaker:
Prof. Christian Back
Physics Department
Technical University Munich

Date and time:
06.05.2021 at
03.00 pm
Via
Zoom

Abstract

I will give an overview of the spin Hall effect which is of course connected to the anomalous Hall effect. Since its discovery over a decade ago the spin Hall effect has been one of the most researched areas of spintronics, with multiple unexpected new phenomena arising from its studies. Its origins, both intrinsic and extrinsic, have been studied both theoretically and experimentally, giving us now a rich picture of this phenomenon which is present in many branches of spintronics. Along the same line I will also discuss the inverse spin Galvanic effect.

In recent years it has been realized how spin orbit torques can be harnessed in spintronic devices by linking them to magnetization dynamics and I will give some examples of recent progress in switching magnetic elements by employing spin orbit torques.

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