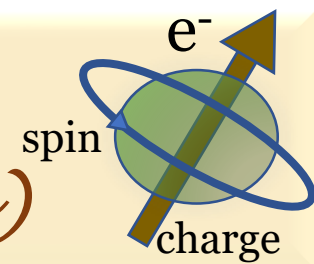




W2S Seminar

(Webinar series on Spintronics)



Advances in coherent magnonics

Speaker:

Prof. Burkard Hillebrands
TU Kaiserslautern
Germany

Date and time:

23.09.2021 at
3.00 pm IST
i.e. 11.30 am CET

Abstract

Magnonics deals with dynamic excitations of magnetically ordered materials. These excitations—magnons—constitute a powerful tool for data processing on the micro and nanoscale. In this talk, I will provide an overview of the fundamentals and current trends in coherent magnonics. I will discuss the implementation in magnetic systems of novel concepts borrowed from integrated optics. Also, I will address macroscopic quantum phenomena, such as magnon Bose-Einstein condensates, and will present a way to enable room-temperature quantum computing functionalities using the magnon condensates.

To attend the lecture please visit Zoom link: **Passcode: xqTX7w**
<https://us06web.zoom.us/j/98006604505?pwd=M3JBOUtmbXVMeDUxMWQyZHYvWDZadz09>

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