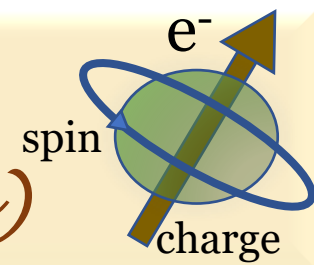




W2S Seminar

(Webinar series on Spintronics)



Magnetic skyrmions for unconventional computing and revealing latent information

Speaker:

Prof. Karin Everschor-Sitte
University of Duisburg-Essen, Germany

Date and time:

15.07.2021 at
3.00 pm IST
i.e., 11.30 am CET

Abstract

Novel computational paradigms in combination with proper hardware solutions are required to overcome the limitations of our state-of-the-art computer technology. Reservoir computing is a computational scheme that allows to drastically simplify spatial-temporal recognition tasks. We have shown that random skyrmion fabrics provide a suitable physical implementation of the reservoir and allow to classify patterns e.g., via their complex resistance responses. In a second part of the talk, I will introduce two recently developed data analysis tools to extract latent information from data.

To attend the lecture please visit

Zoom link: <https://us06web.zoom.us/j/98243984043>

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