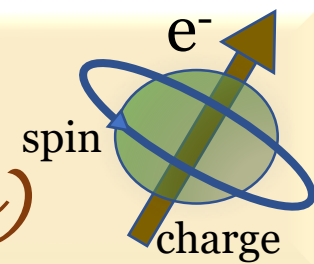




W2S Seminar

(Webinar series on Spintronics)



Spin-wave spectroscopy of individual magnetic nanoelements

**95th W2S
webinar**

Speaker:
Prof. Gleb Kakazei
University of Porto,
Porto, Portugal

Date and time:
23.06.2022 at
8.00 pm IST
i.e. 4.30 pm CET

Abstract

An original spatially resolved approach for spin-wave spectroscopy of individual circular magnetic elements with sample volumes down to about $10^{-3} \mu\text{m}^3$ will be presented. The key component of the setup is a coplanar waveguide whose microsized central part is placed over a movable substrate with well-separated ferromagnetic nanodisks. The circular symmetry of the disks allows for the deduction of the saturation magnetization and the exchange stiffness of the material using an analytical theory. Further, nanovolcanoes - nanodisks overlaid by nanorings - will be introduced as purpose-engineered 3D architectures for nanomagnonics

To attend the lecture please visit: **Passcode: 330965** Zoom link:
<https://us06web.zoom.us/j/81870333999?pwd=SHVRc3NsYmZORXVDQnhtaW9ndFJ1QT09>

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