

ACCMS-Global Research Center, SRMIST, Chennai India

Webinar #33



Indian Standard

Time

Speaker: Dr. Satadeep Bhattacharjee Indo Korea Science and Technology Center, Bangalore, India **<u>Title:</u>** First-Principles Insights into Magnetic

Switching: From Gilbert Damping to Spin–Orbit **Torque and Beyond**

Zoom link:

Lhttps://zoom.us/j/5930040801?pwd=dUUxWHNRdTIsTkttb **GNHeVNWcHJIUT09**

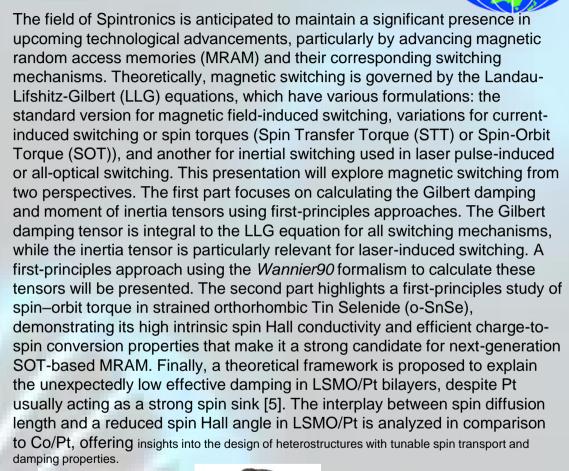
Short biography

Dr. Satadeep Bhattacharjee is Head of Research and Development at the Indo-Korea Science and Technology Center in Bangalore, India. He received his Ph.D. from the University of Madras while working as a March 25th 2025, research fellow at the Indira Gandhi Center for Atomic Research (IGCAR), India. He worked as a postdoctoral researcher at the University of Bonn in 11.30 am – 1.00 pm Germany and the University of Liège in Belgium. He then worked as a researcher at Uppsala University, Sweden and University Arkansas, USA. His research interests encompass a broad aspect of materials theory that includes magnetic materials, spintronics, the role of magnetism in heterogeneous catalysis, electron transport in compound semiconductors, and the development of machine learning models for functional materials. He is also interested in code development and contributes to open-source codes.

Abstract

Panelist

Prof. G. P. Das





Convener*r:* Prof. Yoshiyuki Kawazoe Head, ACCMS-GRC SRMIST, KTR

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