Martes 15 de NOVIEMBRE 2022

12.00 h
Sala de Grados
Facultad de Ciencias

INMA Impulso

Coherent Magnonics for Quantum Information Science

Michael Flatté

The University of Iowa
Distinguished Lecturer of the
IEEE Magnetics Society

Professor Michael Flatté's research investigates the optical and electrical control of electron, ionic, and nuclear spins in materials, novel "spintronic" devices, quantum sensors, and solid-state realizations of quantum computation. As spin provides a robust high-temperature realization of quantum coherence these predictions have led Prof. Flatté to propose several new classes of spintronic devices, including spin transistors, spin-based teleportation protocols, single-photon detectors and organic light emitters. He explores the application of spin to quantum information, room-temperature quantum sensors and high-speed scalable manipulation of quantum information.

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