

Seminar : Prof Rudolf Schäfer

Leibniz Institute for Solid State and Materials Research (IFW)
Dresden, Germany

March, 26th 2023 at 10 AM - IJL – 4-014

MAGNETO-OPTICS



Magneto-optics describes the influence of magnetic fields or of a spontaneous magnetization on the emission or propagation of light in matter. This lecture will cover the basics of magneto-optics at visible frequencies and its application for domain imaging and magnetometry.

For reading:

W. Kuch, R. Schäfer, P. Fischer, and F.U. Hillebrecht, Magnetic Microscopy of Layered Structures (Springer, 2015)

R. Schäfer and J. McCord, Magneto-Optical Microscopy. In: Franco, V., Dodrill, B. (eds) Magnetic Measurement Techniques for Materials Characterization. Springer, Cham.

R. Schäfer et al., Analyzer-free, intensity-based, wide-field magneto-optical microscopy. Appl. Phys. Rev. 8, 031402 (2021)

Séminaire organisé dans le cadre du projet de programme interdisciplinaire MAT-PULSE



MAT-PULSE

Materials and Physics @ Ultimate Scale: Nanotech for a sustainable digital world