

15:00 - 16:30

12th Feb.

Thursday

Micromagnetic properties

Magnetic stiffness, magnetic anisotropy, dipole interactions

Domains, coercivity

Domain manipulation

15:00 - 16:30 Thursday

19th Feb.

Nanomagnetism
Stoner–Wohlfarth astroid

Molecular magnets

Macroscopic quantum tunneling

15:00 – 16:30 Thursday **26th Feb.** **Magnetoresistance effects**

Anisotropic magnetoresistance

Planar Hall effect

Anomalous Hall effect Giant magnetoresistance

Tunnel magnetoresistance

15:00 – 16:30 Thursday **5th Mar**. **Magnetization manipulation**

Electric current
Electric field

Light

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Graduate Program in Spintronics

Introduction to Magnetism and Spintronics

Second series



All the lectures will be held at:

Room A401

Laboratory for Nanoelectronics and Spintronics, RIEC Katahira campus