

Graduate Program in Spintronics

Interdepartmental Doctoral Degree Program for Multi-dimensional Materials Science

Introduction to Magnetism and Spintronics

We are inviting **Prof. Tomasz Dietl**, a leading scientist in spintronics, to give us the following lectures.

16:30 – 18:00
Wednesday
19th Nov.

Origins of relevant interactions

Spin-orbit interaction
Exchange interaction
Hyperfine interaction

16:30 – 18:00
Thursday
20th Nov.

Magnetic and spintronic elements

Open magnetic shells
Hund's rule
Relativistic effects

16:30 – 18:00
Wednesday
26th Nov.

Interactions between magnetic moments

Dipole-dipole interaction
Exchange interactions
Source of magnetic anisotropy

16:30 – 18:00
Thursday
27th Nov.

Models of magnetic ordering

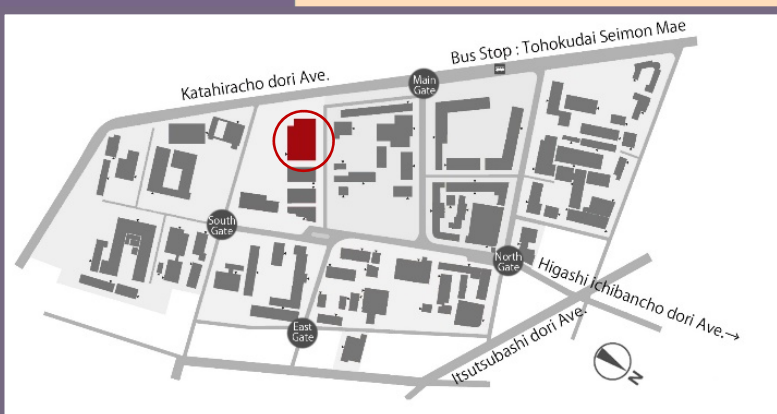
Metals
Semiconductors
Insulators



Prof. Tomasz Dietl

Institute of Physics,
Polish Academy of Sciences
Institute of Theoretical Physics,
Warsaw University

WPI-AIMR, Tohoku University



All the lectures will be held at:

Room A401

Laboratory for Nanoelectronics
and Spintronics, RIEC

Katahira campus

[Contact]

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