



Graduate Program
in Spintronics



Tohoku-Lorraine Mini Workshop 2024

February 28th-29th, 2024, Sendai, Japan



UNIVERSITÉ
DE LORRAINE

Lecture talks



Stephane Mangin

University of Lorraine, France



Junta Igarashi

Tohoku University, Japan/
University of Lorraine, France



Akash Kumar

Univ. of Gothenburg, Sweden/
Tohoku University, Japan



Luding Wang

Tohoku University, Japan

Timetable

Wednesday, February 28th

| | | | |
|-------------|---------|-----------------------------|---|
| 9:00-9:45 | Lecture | Stephane Mangin | “Engineering materials for all-optical switching” |
| 9:45-10:05 | Invited | Jun-Xiao Lin | “Single Laser Pulse Induced In-Plane Magnetization Switching” |
| 10:05-10:25 | | | Break |
| 10:25-11:10 | Lecture | Junta Igarashi | “All-Optical Switching in Ferromagnetic Spin Valves” |
| 11:10-11:30 | Invited | Jude Compton-Stewart | “THz Spectroscopy in the Cryogenic Regime” |

Thursday, February 29th

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|-------------|---------|--------------------|--|
| 9:00-9:45 | Lecture | Akash Kumar | “Mutual Synchronization of Spin Hall Nano-oscillators for Neuromorphic Computing Hardware” |
| 9:45-10:05 | Invited | Koki Nukui | “Light-helicity induced spin-orbital angular momentum transfer torque in ferromagnetic metals” |
| 10:05-10:25 | | | Break |
| 10:25-11:10 | Lecture | Luding Wang | “Spintronic-Photonic Integration — Towards Ultrafast Opto-Spin MRAM applications” |
| 11:10-11:30 | Invited | Ding Hao | “Gate control of interfacial spin-orbit field in epitaxial Fe/GaAs heterostructure” |

Venue & Contact

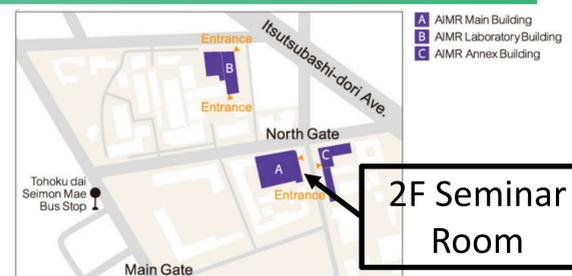
Place: WPI-AIMR Main Building 2F Seminar Room (B01), Tohoku University

*This seminar will be held **ONSITE ONLY**

Contact: shunki.nakamura.s8@dc.tohoku.ac.jp



Campus map



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