

International Spintronics School

2016
Aug.31
Open 9:00 am

Espace, 2nd floor,
Katahira Kitamon Commons,
Katahira Campus,
Tohoku University



Invited Lecturers

Masamitsu Hayashi (The University of Tokyo)

“Spin current and spin orbit interaction in metallic heterostructures”

Atsufumi Hirohata (University of York)

“Lateral nano-spintronic devices”

Kyung-Jin Lee (Korea University)

“Various phenomena at magnetic interfaces subject to spin-orbit coupling”

Stéphane Mangin (Université de Lorraine)

“Magnetization manipulation in spintronic devices”

Fumihiro Matsukura (Tohoku University)

“Magnetization dynamics in (Ga,Mn)As”

Adam Micolich (The University of New South Wales)

“The 0.7 anomaly: How spin affects transport in quantum point contacts”

Chang-Man PARK (Tokyo Electron U.S. Holdings, Inc.)

“Roadmap for Spintronics Technology, Tokyo Electron”

Kaushik Roy (Purdue University)

“Spin as State Variable for Computation: Prospects and Perspectives”

Oleksandr Serha (TU Kaiserslautern)

“Advances in Magnonics”.

Seigo Tarucha (The University of Tokyo, RIKEN) [**Special Lecture**]

“Coherent Control of Spin in Semiconductor Quantum System”

Program

Wednesday, August 31, 2016

[9:25 - 9:30] Opening

[9:30 - 10:05]

“Spin as State Variable for Computation: Prospects and Perspectives”

Kaushik Roy (Purdue University)

[10:05 - 10:40]

“Magnetization Manipulation in Spintronic Devices”

Stéphane Mangin (Université de Lorraine)

[10:40 - 10:55] Coffee Break

[10:55 - 11:30]

“The 0.7 Anomaly: How Spin Affects Transport in Quantum Point Contacts”

Adam Micolich (The University of New South Wales)

[11:30 - 12:20]

<<Special Lecture>>

“Coherent Control of Spin in Semiconductor Quantum System”

Seigo Tarucha (The University of Tokyo, RIKEN)

[12:20 – 13:20] Lunch

[13:20 - 13:55]

“Magnetization Dynamics in (Ga,Mn)As”

Fumihiko Matsukura (Tohoku University)

[13:55 - 14:30]

“Roadmap for Spintronics Technology, Tokyo Electron”

Chang-Man Park (Tokyo Electron U.S. Holdings. Inc.)

[14:30 – 14:45] Coffee Break

[14:45 - 15:20]

“Advances in Magnonics”

Oleksandr Serha (TU Kaiserslautern)

15:20 - 15:55

“Lateral Nano-Spintronic Devices”

Atsufumi Hirohata (University of York)

[15:55 – 16:10] Coffee Break

[16:10 - 16:45]

“Spin Current and Spin Orbit Interaction in Metallic Heterostructures”

Masamitsu Hayashi (The University of Tokyo)

[16:45-17:20]

“Various Phenomena at Magnetic Interfaces Subject to Spin-Orbit Coupling”

Kyung-Jin Lee (Korea University)