

MSSp2025 Spintronics Workshop

November 4th, 2025, Tuesday

Speakers

Lecture



Chris P. Anderson
Assist.Prof.
Univ. of Illinois

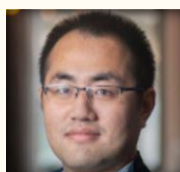


Yong P. Chen
Principal Investigator
Tohoku Univ.

Invited talk



Ziqi Li
Research Fellow
Nanyang Tech. Univ.



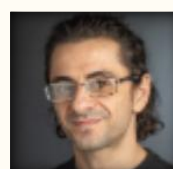
Jie Wang
Assist. Prof.
Peking Univ.



Koki Shinada
Post Doc.
RIKEN



Rikuto Oiwa
Lecturer
Hokkaido Univ.



Nicola Lanata
Assist. Prof.
Rochester Inst. of Tech.

Session1: "Quantum Photonics"

13:30 ~ 14:15

Lecture	Chris P. Anderson	"Emerging quantum photonic materials for entanglement distribution and transduction"	13:30 ~ 14:15
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Session2: "Quantum Materials"

14:15 ~ 16:35

Lecture	Yong P. Chen	"Spintronics Meets Quantum Materials"	14:15 ~ 15:00
Invited	Jie Wang	"Hofstadter Model Exact Landau Level Type for Flat Bands"	15:00 ~ 15:25

Break (20 min.)

Invited	Koki Shinada	"Magnetic multipoles and Quantum Geometry"	15:45 ~ 16:10
Invited	Ziqi Li	"Harnessing Quantum Geometry for Tunable Terahertz Spintronics"	16:10 ~ 16:35

Session3: "Correlation and Multipoles"

16:35 ~ 17:25

Invited	Rikuto Oiwa	"Symmetry-adapted closest Wannier modeling based on complete multipole basis set"	16:35 ~ 17:00
Invited	Nicola Lanata	"Ghost-Variational Embedding for Correlated Materials: Recent Developments and Applications"	17:00 ~ 17:25

Venue & Contact

Place: Nano Spin 4F conference room (A402), Laboratory for Nanoelectronics and Spintronics, Research Institute of Electrical Communication, Tohoku University (Katahira Campus)

Contact: kouki.nukui.s8@dc.tohoku.ac.jp

Website: <https://gp-spin.tohoku.ac.jp/en/kyotensympo25/>

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