

- 13:45-14:00 TODA, Yasunori (Hokkaido University)
 “Photoinduced pseudogap quasiparticle dynamics of Bi-based cuprates”
- 14:00-14:15 HIRORI, Hideki (Kyoto University)
 “Control of macroscopic magnetic order by Floquet-engineering using Tesla-class terahertz fields”
- 14:15-14:30 SATO, Masahiro (Chiba University)
 “Theory for Floquet control of a macroscopic order with THz laser”
- 14:30-14:42 ASABA, Tomoya (Kyoto University)
 “Evidence for a finite-momentum Cooper pair in tricolor d-wave superconducting superlattices”
- 14:42-14:54 ZHENG, Guo-qing (Okayama University)
 “Nematic director coupled to phonon and controlled by magnetic fields in the spin-triplet superconductors $\text{Cu}_x\text{Bi}_2\text{Se}_3$ ”
- 14:54-15:06 YAMADA, Rinsuke (University of Tokyo)
 “Anisotropic electronic properties on helical Weyl magnet GdAlSi ”
- 15:06-15:18 NIIMI, Yasuhiro (Osaka University)
 “Unconventional anomalous Hall effect in a triangular lattice antiferromagnet with weak spin orbit interaction”

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Session 3:

Chair : OHGUSHI, Kenya

- 15:45-16:00 SHIMAKAWA, Yuichi (Kyoto University)
 “Relieving the electronic instability in transition-metal oxides containing unusually high valence cations”
- 16:00-16:15 KOBAYASHI, Kensuke (University of Tokyo)
 “Magnetic Field Imaging Using Quantum Spin Microscope”
- 16:15-16:30 WADATI, Hiroki (University of Hyogo)
 “Development of X-ray time-resolved measurements for observing charge and spin dynamics”
- 16:30-16:45 ISHIZAKA, Kyoko (University of Tokyo)
 “Spatiotemporal imaging of nanoscale magnetic excitations in YIG thin plate”
- 16:45-16:57 KURODA, Kenta (Hiroshima University)
 “Electronic correlations in rare-earth monpnictides : CeSb vs CeAs ”
- 16:57-17:09 KATSUFUJI, Takuro (Waseda University)
 “Slow dynamics in the metamagnetic transition of $\text{La}_5\text{Mo}_{4-x}\text{T}_x\text{O}_{16}$ ”
- 17:09-17:21 UCHIDA, Masaki (Tokyo Institute of Technology)
 “Controlling magnetic ground states of $\text{Sr}_3\text{Ru}_2\text{O}_7$ by epitaxial strain”
- 17:21-17:33 YONEZAWA, Shingo (Kyoto University)
 “Magneto-optical effects in quantum liquid crystal materials to detect novel time-reversal-symmetry breakings”

Wednesday, December 27

Session 4:

Chair : SATO, Masahiro

- 09:15-09:30 ARIMA, Taka-hisa (University of Tokyo)
“Why is $Y_2Mo_2O_7$ not ferromagnetic metal?”
- 09:30-09:45 OHGUSHI, Kenya (Tohoku University)
“Piezomagnetic Effect in Altermagnet MnTe”
- 09:45-10:00 SHIMIZU, Yasuhiro (Nagoya University)
“Local symmetry and quasiparticles of quantum liquid crystals”
- 10:00-10:15 MOTOME, Yukitoshi (University of Tokyo)
“Search for spin liquid crystals: insight from Skyrme and Kitaev”
- 10:15-10:27 SUETSUGU, Shota (Kyoto University)
“Majorana fermion origin of the planar thermal Hall effect in the Kitaev magnet α -RuCl₃”
- 10:27-10:39 ISHIKAWA, Hajime (University of Tokyo)
“High magnetic field study of novel quantum spin systems made of coupled spin trimer”
- 10:39-10:51 AKAGI, Yutaka (University of Tokyo)
“CP² triple-Q state in the SU(3) Kondo lattice model”
- 10:51-11:03 KAWASAKI, Takeshi (Nagoya University)
“Non-Equilibrium Phase Transitions in Active Skyrmions”

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Poster Session:

Chair : KOBAYASHI, Kensuke

- 11:30-12:15 1 min. Preview @ Lecture Room (A632)

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- 13:30-15:30 Poster Presentation @ 6F Lounge
13:30-14:30 = core time for **odd** poster numbers
14:30-15:30 = core time for **even** poster numbers

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Session 5:

Chair : KASAHARA, Shigeru

- 15:45-16:00 HANAGURI, Tetsuo (RIKEN)
“Discovery and Elucidation of Quantum Liquid Crystals by STM”

- 16:00-16:15 OKAZAKI, Kozo (University of Tokyo)
“Non-equilibrium electronic states of the Kagome superconductor CsV₃Sb₅”
- 16:15-16:30 KONTANI, Hiroshi (Nagoya University)
“Theoretical studies of loop current orders in kagome metals”
- 16:30-16:45 ARITA, Ryotaro (University of Tokyo / RIKEN)
“Towards simplified complexity: Deriving a symmetry-adapted single-orbital model for Cr_{1/4}NbSe₂ based on the closest Wannier function”
- 16:45-16:57 IHARA, Yoshihiko (Hokkaido University)
“*q*-resolved NMR study for itinerant kagome antiferromagnet Sc₃Mn₃Al₇Si₅”
- 16:57-17:09 OKAMURA, Yoshihiro (University of Tokyo)
“Topological magneto-optical effect from quantum liquid crystal”
- 17:09-17:21 ONOSE, Yoshinori (Tohoku University)
“A high-temperature multiferroic Tb₂(MoO₄)₃”
- 17:21-17:33 UCHIDA, Yoshiaki (Osaka University)
“Photomagnetic effects in liquid crystals”
- 18:00- Banquet @ “Plaza Ikoi” , Restaurant in Kashiwa Campus
Winner announcement, QLC Young Researcher Award: WADATI, Hiroki

Thursday, December 28

Session 6:

Chair : KONTANI, Hiroshi

- 09:15-09:30 TOHYAMA, Takami (Tokyo University of Science)
“Spin loop-current textures in low-dimensional Hubbard models”
- 09:30-09:45 SHANNON, Nic (OIST)
“Gravitational wave analogues in quantum liquid crystals”
- 09:45-10:00 SATO, Taku J (Tohoku University)
“Small angle neutron scattering study on various aspects of magnetic skyrmions and other multi-q spin structures”
- 10:00-10:12 SHIOMI, Yuki (University of Tokyo)
“BKT-like signature of spin Seebeck effect in 2D antiferromagnet $\text{BaNi}_2\text{V}_2\text{O}_8$ ”
- 10:12-10:24 MATSUNO, Jobu (Osaka University)
“Spin-current properties of 5d transition-metal oxides”
- 10:24-10:36 SASAKI, Takahiko (Tohoku University)
“Lattice dynamics coupled to the intra dimer π -electrons degrees of freedom in the organic charge transfer salts”

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Session 7:

Chair : OKAMOTO, Yoshihiko

- 11:00-11:15 KIMURA, Tsuyoshi (University of Tokyo)
“Search for materials showing ferroaxial order”
- 11:15-11:30 TOGAWA, Yoshihiko (Osaka Metropolitan University)
“Chirality-Induced Phenomena in Chiral Materials”
- 11:30-11:45 IKEDA, Hiroaki (Ritsumeikan University)
“Ab initio calculation of electronic chirality density”
- 11:45-11:57 HAYAMI, Satoru (Hokkaido University)
“Representation of electronic order parameters breaking spatial inversion, time-reversal symmetries or gauge symmetries”
- 11:57-12:09 HIRAI, Daigorou (Nagoya University)
“Material search and investigation of spin-nematic state induced by spin-orbit interactions”

Closing

- 12:09- Comments: Evaluation Committee Members
Closing Remark: SHIBAUCHI, Takasada