International Conference on Quantum Liquid Crystals 2023 (QLC2023)

Poster Session 1

Tuesday, August 8, 2023

Academic Lounge 1&2, Hokkaido University

Poster No.	
PS1-01	**Ryotaro Sano (Kyoto University)** Surface acoustic waves-driven magnon valley Hall effect in atomically thin van der Waals antiferromagnets
PS1-02	**Risako Kikuchi (Nagoya University)** Electrical conductivity and screening effect of spin-1 chiral fermions scattered by charged impurities
PS1-03	**Yoshihiro Okamura (University of Tokyo)** Topological magneto-optical effect from skyrmion lattice
PS1-04	**Mina Udono (Chiba University)** Optical properties of the Wannier-Stark ladder and Stark shift of exciton in Mott insulators
PS1-05	**Hajime Ishikawa (University of Tokyo)** High magnetic field investigations of quantum spin liquid candidates based on the Cu-spin trimer
PS1-06	**Yuta Kimoto (Tohoku University)** Electric current induced resistivity anomaly in a helimagnet: indication of sliding motion
PS1-07	**Yuki Shiomi (University of Tokyo)** Unidirectional magnetoresistance in CoFeB/FeSe bilayer films
PS1-08	**Keisuke Adachi (Ibaraki University)** High Chern-number spin liquid states in perturbed Kitaev magnets
PS1-09	**Ryota Yambe (University of Tokyo)** Floquet engineering of magnetic interactions: Understanding based on the crystal symmetry lowering
PS1-10	**Rico Pohle (University of Tokyo)** Spin Nematics Meet Spin Liquids: Exotic Phases in the Spin-1 Bilinear-Biquadratic Model with Kitaev Interactions
PS1-11	**Takahiko Sasaki (Tohoku University)** Inelastic neutron scattering study on lattice dynamics at the 6K anomaly in the quantum spin liquid candidate κ-$(BEDT\text{-}TTF)_2Cu_2(CN)_3$
PS1-12	**Seigo Ogawa (Okayama University)** ^{75}As-NMR study of $K_2Cr_3As_3$
PS1-13	**Satoshi Tsuchiya (Hokkaido University)** Ultrafast pump-probe reflectivity study in the normal state of quarter-filled organic superconductor
PS1-14	**Shusaku Imajo (University of Tokyo)** The BCS-BEC crossover in organic superconductors
PS1-15	**Masanori Kanemoto (Ritsumeikan University)** Hybrid-functional band structure of iron-based superconductors

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PS1-16	**Shun Okumura (University of Tokyo)** Helical instability of skyrmion strings induced by longitudinal spin-polarized currents
PS1-17	**Shunsuke Yoshizawa (National Institute for Materials Science)** Imaging the domain structure and topological defects of charge density waves of 2*H*-$NbSe_2$ by scanning tunneling microscopy
PS1-18	**Taichi Terashima (National Institute for Materials Science)** In-plane nematic anisotropy revealed by interlayer resistivity measurements on the iron-based superconductor parent compound CaFeAsF
PS1-19	**Masaki Uchida (Tokyo Institute of Technology)** Control of magnetic ground states in largely strained $Sr_3Ru_2O_7$ films
PS1-20	**Kotaro Shimizu (University of Tokyo)** Emergent electric field and resonance dynamics in a one-dimensional chiral magnet driven by an AC magnetic field
PS1-21	**Tsutomu Momoi (RIKEN)** Dynamics of spin nematics revisited
PS1-22	**Kiyu Fukui (University of Tokyo)** Effect of a magnetic field on the Kitaev model coupled to environment
PS1-23	**Shingo Kobayashi (RIKEN CEMS)** Nuclear spin relaxation rate of nonunitary Dirac and Weyl superconductors
PS1-24	**Kodai Moriyama (University of Tokyo)** Quantum critical phenomena caused by gradual structural variations in $SrCo_2(Ge_{1-x}P_x)_2$
PS1-25	**Akane Inda (Hokkaido University)** Third-order transverse magnetic susceptibility under ferro-axial ordering
PS1-26	**Masahiro Naritsuka (RIKEN)** Superconductivity in the monolayer $NbSe_2$ twisted on graphene
PS1-27	**Miho Tanaka (Ibaraki University)** Numerical study of the inverse Faraday effect in dissipative Rashba electron systems
PS1-28	**Hiroki Shoji (Osaka Metropolitan University)** Systematic evaluation of exchange interactions using collective excitation of chiral spin solitons
PS1-29	**Akira Iyo (National Institute of Advanced Industrial Science and Technology (AIST))** Novel superconductors in antiperovskite transition metal pnictides
PS1-30	**Yuki Amari (Keio University)** Realization of spin nematic Skyrmion crystals in cold atom systems

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PS1-31	**Koki Satow (Nagoya University)** Hall conductivity in an effective model of spin-1 fermions
PS1-32	**Yutaka Akagi (University of Tokyo)** Topological magnetism in quantum spin-nematics
PS1-33	**Takenori Fujii (University of Tokyo)** Non-linear electrical conductivity and Kosterlitz-Thouless(KT) transition in underdoped Bi-2223
PS1-34	**Jushin Tei (Osaka University)** Eliashberg analysis and topological crystalline superconducting states in UTe_2 with time-reversal symmetry
PS1-35	**Yasuyuki Kato (University of Tokyo)** Hidden topological transitions in emergent magnetic monopole lattices
PS1-36	**Ryo Okugawa (Tokyo University of Science)** Weyl superconductivity in multilayered quasicrystals
PS1-37	**Masahiro Hori (Tokyo University of Science)** Multifractality and Hyperuniformity in the Disordered Bose-Hubbard Model on Quasicrystals
PS1-38	**Ryoga Hiyoshi (Hokkaido University)** Quantum spin liquid state in $Pb_{(1-x)}Sr_xCuTe_2O_6$
PS1-39	**Takuya Nagashima (University of Tokyo)** Study on superconducting gap structure of Fe(Se,S) from impurity effects
PS1-40	**Tetsuo Hanaguri (RIKEN CEMS)** Correlation-driven electronic nematicity in the Dirac semimetal $BaNiS_2$
PS1-41	**Fuki Sato (Tohoku University)** Metal-insulator transition in $Ru(Br_{1-x}I_x)_3$ with a honeycomb structure
PS1-42	**Ryutaro Okuma (University of Tokyo)** Neutron scattering studies of the candidate Kitaev material Na_2PrO_3
PS1-43	**Masahiro O. Takahashi (Osaka University)** Charge oscillation around a vacancy of Kitaev magnets
PS1-44	**Hiroya Nagato (Osaka University)** Third harmonic generation and Higgs mode excitation in s-wave superconductors using terahertz vortex beam
PS1-45	**Koki Mizuno (Nagoya University)** Majorana fermions in Fibonacci quasicrystal with spin orbital coupling

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PS1-46	**Yasuhiro Asano (Hokkaido University)** Physics of j=3/2 superconductors
PS1-47	**Kyohei Nakamura (Kyoto University)** Intrinsic Superconducting Diode Effect and Decoupling Transition due to Orbital Effect
PS1-48	**Reona Kondo (University of Tokyo)** Study on nematic superconductivity in tetragonal Fe(Se, S) using bulk measurements
PS1-49	**Suguru Hosoi (Osaka University)** Valley-dependent charge transport under strain in bismuth
PS1-50	**Minoru Kanega (Chiba University)** DC current generation by two-color laser in graphene
PS1-51	**Katsuhiro Tanaka (University of Tokyo)** Magnetoresistance in a tunnel junction with an antiferromagnet Mn_3Sn
PS1-52	**Haruka Matsumoto (University of Tokyo)** Superconductivity in hexagonal zirconium telluride Zr_6MTe_2 (M = Fe, Co)
PS1-53	**Toshihiko Muroi (University of Tokyo)** Magnetic field effects on the quadrupole order of the spin–orbit-coupled insulator Ba_2MgReO_6
PS1-54	**Keita Onodera (Hokkaido University)** Anomalous Dripping of Superfluid ^{4}He Droplets
PS1-55	**Jianxin Huang (Nagoya University)** Even- and Odd-Parity Intra-Unit-Cell Bond-Order and Emergence Nematicity in Kagome Metals
PS1-56	**Takao Watanabe (Hirosaki University)** BCS-BEC Crossover Observed in Te-annealed $FeTe_{1-x}Se_x$ Single Crystals
PS1-57	**Nanse Esaki (University of Tokyo)** Electric field controllable thermal Hall effect of triplons in quantum dimer magnets $XCuCl_3$ (X = Tl, K)
PS1-58	**Yoshihiko Ihara (Hokkaido University)** ^{27}Al, ^{55}Mn-NMR study for itinerant kagome antiferromagnet $Sc_3Mn_3Al_7Si_5$
PS1-59	**Ryuma Nagatomo (Hokkaido University)** Quantized Dripping Period of Superfluid ^{4}He

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PS2-01	**Yoshiaki Uchida (Osaka University)** Facile nanosheet synthesis using liquid crystals
PS2-02	**Yoshihiko Okamoto (University of Tokyo)** Superconductivity in Ternary Telluride Sc_6MTe_2 with 3*d* , 4*d* , and 5*d* Transition Metals
PS2-03	**Daigorou Hirai (Nagoya University)** Novel molecular orbital crystal and possible liquid crystal state in RuP
PS2-04	**Shengjie Fang (University of Tokyo)** Field dependent specific heat measurements of the Kitaev quantum spin liquid candidate $Na_2Co_2TeO_6$
PS2-05	**Toshiya Ikenobe (University of Tokyo)** Superconductivity induced by hole-doping in the nodal-line semimetal NaAlGe
PS2-06	**Takumi Sato (Hokkaido University)** Superconductivity with quasiparticle states below the gap
PS2-07	**Michiya Chazono (Kyoto University)** Finite-momentum Cooper pairing in few-layer transition metal dichalcogenides
PS2-08	**Youichi Yamakawa (Nagoya University)** Drastic magnetic-field-induced chiral current order and emergent current-bond-field interplay in kagome metal AV_3Sb_5 (A =Cs,Rb,K)
PS2-09	**Yuma Wada (Hokkaido University)** Temperature dependence of photoinduced carrier dynamics in the charge glass candidate θ-$(BEDT\text{-}TTF)_2CsCo(SCN)_2$
PS2-10	**Hikaru Taneoka (Tohoku University)** Magnetotransport Properties of Itinerant Antiferromagnet LaMnSi
PS2-11	**Yasunori Toda (Hokkaido University)** Spatio-temporal dynamics of localized superconductivity generated by optical vortex pulse excitation
PS2-12	**Yuya Ikeda (University of Tokyo)** Photocurrent induced a bicircular light drive in centrosymmetric or rotational symmetric systems
PS2-13	**Taiki Kawamura (Nagoya University)** Theory of the electron correlation effect in the organic conductor $(EDO\text{-}TTF\text{-}I)_2ClO_4$
PS2-14	**Kota Miyakoshi (Hokkaido university)** Superconductivity and magnetism in high-T_c cuprate $La_2CuO_{4+\delta}$
PS2-15	**Kazushi Aoyama (Osaka University)** Half-quantum-shifted Little-Parks oscillation and d-vector texture in spin-triplet superconductors

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PS2-16	**Hirotake Itoh (Tohoku University)** Sub-picosecond manipulation of electronic-ferroelectric polarization in a rare-earth ferrite at room temperature
PS2-17	**Kanta Maruyama (Nagoya University)** Electronic structure of the nodal line semimetal candidate IrO_2
PS2-18	**Naoto Uematsu (Nagoya University)** Superconductivity in High-Entropy Antimonides
PS2-19	**Tatsuaki Mori (Ritsumeikan University)** Instability of Bogoliubov Fermi surfaces under magnetic field
PS2-20	**Yuto Muramatsu (Nagoya University)** Large magnetoresistance in distorted rutile-type oxide WO_2
PS2-21	**Yuichi Yamasaki (National Institute for Materials Science)** Anisotropic electronic state with non-collinear magnetic order controllable by tilted magnetic field cooling
PS2-22	**Takuya Aoyama (Tohoku University)** Piezomagnetic effect in antiferromagnetic MnTe with broken time-reversal symmetry
PS2-23	**Kazutaka Kudo (Osaka University)** Non-monotonic variation of superconducting transition temperature in BaPtAs-BaPtSb solid solution
PS2-24	**Koki Shimura (Nagoya University)** Chiral charge current with orbital ferromagnetism in loop-current order state in kagome lattice
PS2-25	**Tadashi Adachi (Sophia University)** Relationship between the Magnetism, Superconductivity and Electronic Nematicity in Iron-Chalcogenide $FeSe_{1-x}S_x$ Thin Films
PS2-26	**Akifumi Mine (University of Tokyo)** Study of the superconducting gap in the Kagome lattice superconductor CsV_3Sb_5 by low-temperature and high-resolution laser ARPES
PS2-27	**Tomohiro Kitano (Tohoku University)** Electronic Properties of Molybdenum Iodides with Cluster Structure
PS2-28	**Kenji Kawashima (IMRA Japan Co., Ltd)** Superconductivity in Ca-Free Cuprate with double CuO_2 layers
PS2-29	**Kaede Isomura (Tohoku University)** Superconductivity and spin correlations in *T**-type cuprate
PS2-30	**Tatsuya Miki (Saitama University)** Physics of superconductor junction with Bogoliubov Fermi surface

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PS2-31	**Hung-Cheng Wu (Tohoku University)** Observation of temperature-induced piezomagnetic switching in Cu_2OSeO_3 polymorph synthesized under high-pressure
PS2-32	**Moeta Tsukamoto (University of Tokyo)** Simultaneous magnetic imaging using the nitrogen-vacancy center and magneto-optical Kerr effect
PS2-33	**Terunari Koshinuma (National Institute of Advanced Industrial Science and Technology)** Superconductivity in Ba-Ir-Ge ternary system
PS2-34	**Jun Tokimoto (Tokyo University of Science)** Analysis of Photo-Pumped Hubbard Model on a Square Lattice Using Dynamic Mode Decomposition
PS2-35	**Seiichiro Onari (Nagoya University)** Three-dimensional CDW order in kagome metal: Analysis of third-order term in three-dimensional GL theory
PS2-36	**Koichi Ichimura (Hokkaido University)** Charge disproportionation in organic conductors studied by STM
PS2-37	**Masamichi Nakajima (Osaka University)** Single-crystal growth and physical properties of iron-based superconductor $Sr_2VFeAsO_3$
PS2-38	**Hiroto Tanaka (Kyoto University)** Superconducting nonlinear responses in magnetic fields
PS2-39	**Koki Shinada (Kyoto University)** Orbital magnetoelectric effect induced by electric fields and temperature gradients in period metals
PS2-40	**Akira Kofuji (Kyoto University)** Unconventional gap dependence of high harmonic generation in the extremely strong light-matter coupling regime
PS2-41	**Shungo Nakagawa (University of Tsukuba)** Study of structural changes with doping levels in the cuprate superconductor Bi2212
PS2-42	**Akimitsu Kirikoshi (Hokkaido University)** Classification of Superconductivity in Multiorbital Systems by Multipoles
PS2-43	**Yoshihiko Togawa (Osaka Metropolitan University)** Enantiopure crystal growth of chiral inorganic compounds
PS2-44	**Jobu Matsuno (Osaka University)** Spin current generation from an epitaxial tungsten dioxide WO_2
PS2-45	**Shunsuke Nishimura (University of Tokyo)** Quantitative imaging of superconducting vortices penetrating a thin film using diamond quantum sensor

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PS2-46	**Ryuta Iwazaki (Saitama University)** Material-based analysis of organic Mott insulators
PS2-47	**Soichiro Yamane (Kyoto University)** Field-training-tunable charge order in kagome metal CsV_3Sb_5
PS2-48	**Mikiya Tomikawa (Kyoto University)** Measurement of the current-induced strain in $BaMn_2As_2$ using fiber Bragg grating
PS2-49	**Shingo Yonezawa (Kyoto University)** Anomalous in-plane anisotropy in the Kagome superconductor CsV_3Sb_5
PS2-50	**Shiori Sugiura (Tohoku University)** Noise spectroscopy in layered organic superconductor κ-$(BEDT\text{-}TTF)_2Cu(NCS)_2$
PS2-51	**Shigeru Kasahara (Okayama University)** Superconducting gap structure of tetragonal $FeSe_{1-x}S_x$ under high pressures
PS2-52	**Yutaro Mino (Tokyo University of Science, AIST)** Single crystal growth of high-T_c superconductor $(Hg,Re)Ba_2Ca_2Cu_3O_{8+\delta}$
PS2-53	**Hiroshi Watanabe (Ritsumeikan University)** Possibility of BCS-BEC crossover in unconventional superconductors
PS2-54	**Tomoya Asaba (Kyoto University)** Evidence for an odd-parity nematic phase above the charge density wave transition in kagome metal CsV_3Sb_5
PS2-55	**Shotaro Izutsu (Hokkaido University)** Charge density wave and superconductivity in $ZrTe_3$
PS2-56	**Yota Komiyama (Sophia University)** Spin Fluctuations of Single-Layer Bi-2201 Cuprate in the Heavily Overdoped Regime
PS2-57	**Shigetada Yamagishi (University of Tokyo)** Ferroaxial Transitions in Glaserite-type Compounds: Database Screening, Phonon Calculations, and Experimental Verification
PS2-58	**Asato Onishi (University of Tokyo)** Absence of conventional nematic susceptibility in kagome metal $CsV3Sb_{5-x}Sn_x$
PS2-59	**Takahiro Nozue (Tokyo University of Science, AIST)** Pressure dependence of T_c in Tl-based high-T_c cuprate superconductors