FYR04 QLC meeting Program

*リモート発表者に *remote* を記載

Thursday, December 8th.

Opening 13:00-13:05 **Opening Remark**, Announcement SHIBAUCHI, Takasada Session 1: Chair : SHIMIZU, Yasuhiro 13:05-13:25 SHIBAUCHI, Takasada (University of Tokyo) "Enhanced Superconducting Pairing Strength near a Nematic Quantum Critical Point" 13:25-13:45 OKAMOTO, Yoshihiko (University of Tokyo) "Superconductivity in Ternary Scandium Tellurides with 3d, 4d, and 5d Transition Metals" 13:45-14:05 EISAKI, Hiroshi (AIST) "Competing order in 1144-type iron based superconductors" 14:05-14:25 IKEDA, Hiroaki (Ritsumeikan University) remote "Development of first-principles calculations and multipole correlations" 14:25-14:45 KASAHARA, Shigeru (Okayama University) "Puzzles of the superconducting state in tetragonal FeSe_{1-x}S_x" 14:45-15:00 UCHIDA, Yoshiaki (Osaka University) "Shape control of materials using liquid crystals as reaction fields" 15:00-15:15 HIRAI, Daigorou (Nagoya University) "Novel molecular orbital crystal and possible liquid crystal state in RuP"

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Session 2: 15:40-16:00	Chair : ARITA, Ryotaro OHGUSHI, Kenya (Tohoku University) "Metal-insulator transition on honeycomb lattice"
16:00-16:20	OKAZAKI, Kozo (University of Tokyo) <i>remote</i> "HHG-laser-based time- and angle-resolved photoemission spectroscopy with wavelength-tunable excitation"
16:20-16:40	HIRORI, Hideki (Kyoto University)remote"Harmonic generation from nonlinear THz spin dynamics in antiferromagnets"
16:40-17:00	WADATI, Hiroki (University of Hyogo) "Time-resolved pump–probe measurements of ferromagnetic and antiferromagnetic thin films"
17:00-17:20	TODA, Yasunori (Hokkaido University) "Optical vortex induced spatio-temporally modulated superconductivity in a high- T_c cuprate"
17:20-17:40	ARIMA, Taka-hisa (University of Tokyo) <i>remote</i> "Rotation Symmetry Breaking and Magnetic Skyrmion Lattice in EuAl4"
17:40-17:55	OKAMURA, Yoshihiro (University of Tokyo) "Observation of topological magneto-optical effect from skyrmion lattice"
17:55-18:10	UCHIDA, Masaki (Tokyo Institute of Technology) "Fabrication and control of Sr ₃ Ru ₂ O ₇ films by molecular beam epitaxy"

Friday, December 9th.

Poster Session:		Chair : KIMURA, Tsuyoshi
08:30-	"Remo" venue open	
09:00-10:00	1 min. Preview, using "Zoom"	
10:00-12:00	Poster Presentation, using "Remo" 10:00-11:00 = core time for <u>odd</u> poster num 11:00-12:00 = core time for <u>even</u> poster num	
Session 3: 14:00-14:20	SHIMIZU, Yasuhiro (Nagoya University) "Spin dynamics of quantum spin liquid cry	Chair : OKAMOTO, Yoshihiko stals"
14:20-14:40	SHANNON, Nic (OIST) "Simulating the dynamics of quantum liqui	<i>remote</i> d crystals in spin-1 magnets"
14:40-15:00	MOTOME, Yukitoshi (University of Tokyo) "Spin nematics meet spin liquids: numerica with biquadratic interactions"	
15:00-15:20	SHIMAKAWA, Yuichi (Kyoto University) "Orthogonal antiferromagnetism in quadrug by hidden kagomé lattices"	ple perovskites driven
15:20-15:40	KOBAYASHI, Kensuke (University of Toky "Physical properties measurement using dia	
15:40-15:55	YONEZAWA, Shingo (Kyoto University) "Symmetry breakings observed in quantum	liquid crystals"

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Session 4:	Chair : OHGUSHI, Kenya		
16:20-16:40	KIMURA, Tsuyoshi (University of Tokyo)		
	"Antiferromagnetic domain imaging via linear magnetoelectric effect"		
16:40-17:00	TOGAWA, Yoshihiko (Osaka Metropolitan University,)		
"Control of chiral spin response in chiral materials"			
17:00-17:20	SATO, Masahiro (Chiba University) remote		
	"Quantum Version of Uniaxial Chiral Ferromagnets"		
17:20-17:40	ARITA, Ryotaro (University of Tokyo)		
	"Ab initio search for functional magnets based on cluster multipole theory"		
17:40-17:55	ONOSE, Yoshinori (Tohoku University)		
	"Chirality-dependent spin current generation in a helimagnet"		

Saturday, December 10th.

Session 5:	Chair :	TOGAWA, Yoshihiko	
09:30-09:50	HANAGURI, Tetsuo (RIKEN) "Search for novel electronic nematic states by spectroscopic-imaging STM"		
09:50-10:10	SATO, Taku J (Tohoku University) "Magnetoelectric effect in α-Cu ₂ V ₂ O ₇ "		
10:10-10:30	ISHIZAKA, Kyoko (University of Tokyo) <i>remote</i> "Laser µARPES study on atomically-thin transition-r	-	
10:30-10:50	KONTANI, Hiroshi (Nagoya University) "Novel quantum liquid crystal states in recently disco	overed strongly correlated metals"	
10:50-11:10	KUDO, Kazutaka (Osaka University)remote"Superconductivity in BaPt(As1-xSbx) with honeycom		
11:10-11:30	TOHYAMA, Takami (Tokyo University of Science) "Exciton-Assisted Anisotropic Low-Energy Spin Dyn Mott Insulators"	namics in Photoexcited	
11:30-11:45	MATSUNO, Jobu (Osaka University) "Estimation of DM interaction at oxide interfaces"		
Closing			
11:45-	Winner announcement, QLC Young Researcher Award:	WADATI, Hiroki	
	Comments:	Evaluation Committee Members	
	Closing Remark:	SHIBAUCHI, Takasada	