

Day 1 : Thursday, January 23

09:30-10:00	Registration	
10:00-12:00	Session: 1	Chair: N. Nagaosa
10:00-10:30	Th01	S. Maekawa (ASRC, JAEA) "Theory of spin current generation"
10:30-11:00	Th02	S. Hoshino (Univ. of Tokyo) "Odd-frequency superconductivity induced by multi-channel Kondo effect"
11:00-11:30	Th03	M. Ogata (Univ. of Tokyo) "Spin Hall effect and large diamagnetism of Dirac electrons"
11:30-12:00	Th04	Y. Bang (Chonnam Natl. Univ.) "Renormalization of the Specific Heat Coefficient and the Density of States in the Interacting Fermion Systems"
12:00-13:30	Lunch Break	
13:30-15:30	Session: 2	Chair: A. Furusaki
13:30-14:00	Th05	T. Shibauchi (Kyoto Univ.) "Quantum criticality in iron-pnictide superconductors"
14:00-14:30	Th06	H. Tsunetsugu (ISSP, Univ. of Tokyo) "Exotic divergence of quadrupole susceptibility in an orbital order state"
14:30-15:00	Th07	F. C. Zhang (Univ. of Hong Kong* 2014/1 ~ Zhejiang Univ.) "Localized States and Quantum Spin Hall Effect in Si-Doped InAs/GaSb Quantum Wells"
15:00-15:30	Th08	N. Kawakami (Kyoto Univ.) "Correlation effects in artificially layered Kondo superlattices"
15:30-16:00	Break	
16:00-17:30	Session: 3	Chair: N. Kawakami
16:00-16:30	Th09	K. T. Law (HKUST) "Inducing Correlated Spin Currents using BDI class Topological Superconductors"
16:30-17:00	Th10	Y. Tanaka (Nagoya Univ.) "Theory of superconducting topological insulator"
17:00-17:30	Th11	A. Furusaki (RIKEN CEMS) "Stability of surface Dirac fermions against disorder"

09:30-10:00	Registration		
10:00-12:00	Session: 4	Chair: F. C. Zhang	
10:00-10:30	Fr01	J. Yu (Seoul Natl. Univ.)	"Physics of J=1/2 State in 5d Transition Metal Oxides"
10:30-11:00	Fr02	O. Sugino (ISSP, Univ. of Tokyo)	"Ab initio molecular dynamics simulation of the electrode solution interface"
11:00-11:30	Fr03	P. Werner (Univ. of Fribourg)	"Doublon diffusion in Mott insulators"
11:30-12:00	Fr04	R. Arita (Univ. of Tokyo)	"First-principles study of the Mott transition and superconductivity in A_3C_{60} "
12:00-14:30	Lunch Break & Poster Session		
14:30-16:00	Session: 5-1	Chair: R. Arita	
14:30-15:00	Fr05	T. K. Lee (Academia Sinica)	"Mott physics revealed in high temperature superconductors by resonant inelastic x-ray scattering experiments"
15:00-15:30	Fr06	T. Mizushima (Okayama Univ.)	"Symmetry Protected Topological Superfluids and Superconductors"
15:30-16:00	Fr07	T. Claeson (Chalmers Univ. of Tech.)	"The interface of $LaAlO_3/SrTiO_3$: Experimental clues"
16:00-16:30	Break		
16:30-17:30	Session: 5-2	Chair: R. Arita	
16:30-17:00	Fr08	S. Yip (Academia Sinica)	"High spin Fermi liquid"
17:00-17:30	Fr09	M. Ueda (Univ. of Tokyo)	"How Maxwell's demon was exorcised: the minimum energy cost for measurement and erasure of information"

Day 3 : Saturday, January 25

09:30-10:00	Registration	
10:00-11:30	Session: 6	Chair: S. Maekawa
10:00-10:30	Sa01	A. Fert (<i>Univ. Paris-Sud</i>) "Conversion between charge and spin currents by spin-orbit effects and examples of applications in spintronics"
10:30-11:00	Sa02	X. Jin (<i>Fudan Univ.</i>) "Quantum transport in epitaxial Bi(111) thin films"
11:00-11:30	Sa03	H. Adachi (<i>ASRC, JAEA</i>) "Spin Seebeck Effect and Spin Heat Conveyor"
11:30-13:00	Lunch Break	
13:00-15:00	Session: 7	Chair: Y. Bang
13:00-13:30	Sa04	H. Kawamura (<i>Osaka Univ.</i>) "Quantum spin-liquid behavior in the spin-1/2 random Heisenberg antiferromagnet on the triangular lattice"
13:30-14:00	Sa05	N. Shannon (<i>OIST</i>) "Quantum spin ice"
14:00-14:30	Sa06	M. Oshikawa (<i>ISSP, Univ. of Tokyo</i>) "Intrinsic Angular Momentum and Edge States of Chiral Superfluids"
14:30-15:00	Sa07	T. Oka (<i>Univ. of Tokyo</i>) "Driven Dirac system and gauge/gravity duality"
15:00-15:30	Break	
15:30-17:30	Session: 8	Chair: T. K. Lee
15:30-16:00	Sa08	M. Kawasaki (<i>Univ. of Tokyo</i>) "Even Denominator Fractional Quantum Hall Physics in ZnO"
16:00-16:30	Sa09	C. Kim (<i>Yonsei Univ.</i>) "Photoemission study of the role of the orbital angular momentum in the Rashba and Dresselhaus effects"
16:30-17:00	Sa10	X. Dai (<i>Chinese Academy of Sciences</i>) "Topological phases in mix valence compounds"
17:00-17:30	Sa11	G. Kotliar (<i>Rutgers Univ.</i>) "Bad Metallic Transport in Model Hamiltonian Studies and in Transition Metal Oxides"