

Oral Presentations (OSS2021)

Dec. 13 (Mon)							
Jpn/Korea		Italy	UK				
Opening							
16:30-16:50		08:30-08:50	07:30-07:50 (20)				
Young Researcher Lectures							
16:50-18:05	08:50-10:05	07:50-09:05	(75)	13-01	Akito	DAIDO	Gapped topological superconductivity in noncentrosymmetric superconductors
(10)							
18:15-19:30	10:15-11:30	09:15-10:30	(75)	13-02	Joonho	JANG	Phase sensitive techniques to study unconventional superconductivity
19:30-20:30	11:30-12:30	10:30-11:30 (60)					Dinner/Lunch
Young Researcher Competition (Chair: K. YADA)							
20:30-20:45	12:30-12:45	11:30-11:45	(15)	13-03	Yajian	HU	Kerr effect study on charge density wave and superconductivity of the Kagome metal CsV_3Sb_5
20:45-21:00	12:45-13:00	11:45-12:00	(15)	13-04	Shun	TAMURA	Spectral bulk-boundary correspondence for one-dimensional systems
21:00-21:15	13:00-13:15	12:00-12:15	(15)	13-05	Ryo	ARAKI	Electric current induced anisotropy of the upper critical magnetic field of Sr_2RuO_4
(5)							
21:20-21:35	13:20-13:35	12:20-12:35	(15)	13-06	Guerino	AVALLONE	Universal size-dependent nonlinear charge transport in single crystals of the Mott insulator Ca_2RuO_4
21:35-21:50	13:35-13:50	12:35-12:50	(15)	13-07	Ryota	MIZUNO	Development of an efficient impurity solver in dynamical mean field theory for multi-band systems
21:50-22:05	13:50-14:05	12:50-13:05	(15)	13-08	Eun Kyo	KO	Tunable Mottness in correlated oxide monolayer with epitaxial strain
(5)							
22:10-22:25	14:10-14:25	13:10-13:25	(15)	13-09	Younsik	KIM	Observation of Kondo lattice behavior in antiferromagnetic metal FeTe
22:25-22:40	14:25-14:40	13:25-13:40	(15)	13-10	Akitoshi	NAKANO	Giant Peltier conductivity in an uncompensated semimetal Ta_2PdSe_6
22:40-22:55	14:40-14:55	13:40-13:55	(15)	13-11	Taekoo	OH	Transverse and Orthogonal magnetization in antiferromagnets with magnetic multipoles

Dec. 14 (Tue)							
Jpn/Korea		Italy	UK				
SC spintronics & magnetism (Chair: J. ROBINSON)							
17:00-17:30	09:00-09:30	08:00-08:30	(30)	14-01	Taketomo	NAKAMURA	Recent progress of superconducting junctions on ferromagnetic semiconductors
17:30-18:00	09:30-10:00	08:30-09:00	(30)	14-02	Nathan	SATCHELL	Ferromagnetic Josephson junctions with perpendicular magnetic anisotropy and spin orbit coupling
(10)							
18:10-18:30	10:10-10:30	09:10-09:30	(20)	14-03	Hisakazu	MATSUKI	Infinite magnetoresistance in a spin-split nanometre-thick s-wave superconductor
18:30-19:00	10:30-11:00	09:30-10:00	(30)	14-04	Jun Sung	KIM	Large magnetotransport responses of topological van der Waals magnets
19:00-19:20	11:00-11:20	10:00-10:20	(20)	14-05	Morten	AMUNDSEN	Spin and heat current rectification in a bilayer of a spin-split superconductor and a ferromagnetic insulator
19:20-20:50	11:20-12:50	10:20-11:50 (90)					Dinner/Lunch
SC spintronics & magnetism (Chair: C.Y KIM)							
20:50-21:20	12:50-13:20	11:50-12:20	(30)	14-06	Andrea	CAVIGLIA	Coupling charge and topological reconstructions at polar oxide interfaces
21:20-21:50	13:20-13:50	12:20-12:50	(30)	14-07	Angelo	DI BERNARDO	Orbital loop current magnetism in Sr_2RuO_4
(10)							
22:00-22:30	14:00-14:30	13:00-13:30	(30)	14-08	Carmine	AUTIERI	Theoretical aspects of the Berry phase at the oxide interfaces
22:30-23:00	14:30-15:00	13:30-14:00	(30)	14-09	Byungmin	SOHN	Emergent phenomena in $SrRuO_3$ ultrathin films

Dec. 15 (Wed)							
Jpn/Korea	Italy	UK					
Poster Previews (Chair: S. YONEZAWA)							
17:00-17:30	09:00-09:30	08:00-08:30	(30)				
(20)							
Online Poster Session (breakout rooms)							
17:50-19:30	9:50-11:30	8:50-10:30	(100)				
19:30-20:40	11:30-12:40	10:30-11:40	(70)	Dinner/Lunch			
Topological SC (Chair: M. CUOCO)							
20:40-21:10	12:40-13:10	11:40-12:10	(30)	15-01	Satoshi	IKEGAYA	Anomalous proximity effect in topological superconductor hybrid systems
21:10-21:30	13:10-13:30	12:10-12:30	(20)	15-02	Yoonseok	HWANG	Flat bands with band crossing points from symmetry representation
21:30-21:50	13:30-13:50	12:30-12:50	(20)	15-03	Yuri	FUKAYA	Interorbital topological superconductivity in spin-orbit coupled superconductors with inversion symmetry breaking
(10)							
22:00-22:30	14:00-14:30	13:00-13:30	(30)	15-04	Atsutoshi	IKEDA	Superconductivity in CaSb ₂ , a nonsymmorphic line nodal metal
22:30-23:00	14:30-15:00	13:30-14:00	(30)	15-05	Vidya	MADHAVAN	STM studies of the heavy fermion superconductor UTe ₂

Dec. 16 (Thu)							
Jpn/Korea	Italy	UK					
Unconventional SC in Sr ₂ RuO ₄ (Chair: Y. TANAKA)							
17:00-17:30	09:00-09:30	08:00-08:30	(30)	16-01	Vadim	GRINENKO	Unconventional superconductivity in Sr ₂ RuO ₄ : μ SR experiments under strain, hydrostatic pressure and effect of disorder.
17:30-18:00	09:30-10:00	08:30-09:00	(30)	16-02	Philip	BRYDON	Chiral even-parity superconductivity in Sr ₂ RuO ₄
(10)							
18:10-18:40	10:10-10:40	09:10-09:40	(30)	16-03	Stephen	HAYDEN	Field-dependent susceptibility in superconducting Sr ₂ RuO ₄ probed by polarized neutron scattering
18:40-19:00	10:40-11:00	09:30-10:00	(20)	16-04	Shu	SUZUKI	Tunnelling spectroscopy of Sr ₂ RuO ₄ : identifying possible pairing states
19:00-19:20	11:00-11:20	10:00-10:20	(20)	16-05	Jinkwon	KIM	Enhanced Superconductivity of Ruddlesden-Popper Oxides by Interface Engineering
19:20-20:50	11:20-12:50	10:20-11:50	(90)	Dinner/Lunch			
Non-equilibrium phenomena in oxides (Chair: A. VECCHIONE)							
20:50-21:20	12:50-13:20	11:50-12:20	(30)	16-06		KIMEL	Ultrafast Magnetism of Antiferromagnets
21:20-21:50	13:20-13:50	12:20-12:50	(30)	16-07	Ichiro	TERASAKI	Non-equilibrium steady state in the electrical and thermal transport in the Mott insulator Ca ₂ RuO ₄
(10)							
22:00-22:30	14:00-14:30	13:00-13:30	(30)	16-08	Giordano	MATTONI	Current-induced phenomena in Ca ₂ RuO ₄ : The challenge of overcoming Joule heating
22:30-23:00	14:30-15:00	13:30-14:00	(30)	16-09	Fumihiko	NAKAMURA	Inexplicable insulator-Metal transition in Ca ₂ RuO ₄

Dec. 17 (Fri)							
Jpn/Korea	Italy	UK					
Frontiers in quantum materials (Chair: T. W. Noh)							
17:00-17:30	09:00-09:30	08:00-08:30	(30)	17-01	Francesco	GAZOTTO	Gate-tunable electronics with metallic superconductors
17:30-18:00	09:30-10:00	08:30-09:00	(30)	17-02	Naoki	KIKUGAWA	Magnetoentropic Signatures of the Textured Metamagnetic Phase of an Antiferromagnetic Polar Metal: Ca ₃ Ru ₂ O ₇
(10)							
18:10-18:40	10:10-10:40	09:10-09:40	(30)	17-03	Peter	WAHL	Quasiparticle interference imaging of magnetic-field tuned states in the strontium ruthenates
18:40-19:10	10:40-11:10	09:40-10:10	(30)	17-04	Carmine	ORTIX	Quantum non-linear Hall effect in Dirac materials
Award ceremony							
19:10-19:30	11:10-11:30	10:10-10:30	(20)				
19:30-20:50	11:30-12:50	10:30-11:50	(80)	Dinner/Lunch			
Business meeting [OSS Members only]							
20:50-23:00	12:50-15:00	11:50-12:00	(130)				