

JAPANESE STANDARD TIME!

MONDAY, 8.11.2021

Time	Session	Speaker	Title
13:45 – 14:00	Opening		
14:00 – 14:30	Surface analysis & Imaging	Satoru Ichinokura Tokyo Institute of Technology, Japan	Intercalation-induced superconductivity in graphene
14:30 – 15:00		Canhua Liu Shanghai Jiao Tong University, China	Phase ordering dominated superconductivity in FeSe ultrathin films on SrTiO ₃
15:00 – 15:30		Beena Kalisky Bar-Ilan University, Israel	Imaging the magnetic landscape in a superconductor-correlated insulator alternate stacking 4Hb-Ta ₂
15:30 – 15:45			
15:45 – 16:15	Surface analysis & Imaging	Wei Li Tsinghua University, China	Stripe phase in interfacial high- T_c superconductor FeSe/SrTiO ₃
16:15 – 16:45		Tristan Cren Sorbonne Université & CNRS, France	Huge doping and unconventional superconductivity in the misfit compound (LaSe) _{1.14} (NbSe ₂) ₂
16:45 – 17:15	Panel Discussion		
17:15 – 17:30	Break		
17:30 – 18:00	Functional oxide films	Nguyen Hoa Hong Masaryk University, Czech Republic	How to tailor magnetic properties of ferrite nanoparticles and thin films
18:00 – 18:30		Alexander Vasiliev National Research Centre, Kurchatov Institute, Russia	Electron microscopy study of interfaces in functional oxides
18:30 – 19:00		Diana Rata University of Halle-Wittenberg, Germany	Growth-sequence-dependent interface magnetism of SrIrO ₃ -La _{0.7} Sr _{0.3} MnO ₃ bilayers
19:00 – 19:30	Panel Discussion		

TUESDAY, 9.11.2021

Time	Session	Speaker	Title
14:00 – 14:30	Misfit heterostructures	Yuhki Kohsaka RIKEN, Japan	An aperiodic electronic superstructure in a misfit layered chalcogenide
14:30 – 15:00		Kyoko Ishizaka, The University of Tokyo, Japan	ARPES study on composite layered transition-metal dichalcogenides
15:00 – 15:30	Panel Discussion		
15:30 – 15:45	Break		
15:45 – 16:15	Theory & Modelling	Sergey Nikolaev Tokyo Institute of Technology, Japan	Realistic modelling and correlation effects in monolayer NbS ₂ and NbSe ₂
16:15 – 16:45		Yusuke Nomura RIKEN, Japan	Materials design of cuprate-analog nickelates and magnetic exchange coupling
16:45 – 17:15		Malte Rösner Radboud University, The Netherlands	Anisotropic superconductivity induced at a hybrid superconducting-semiconducting interface
17:15 – 17:30	Break		
17:30 – 18:00	Theory & Modelling	Sergey Artyukhin Italian Institute of Technology, Italy	Crystals inside crystals: modelling valence bond solid states in IrTe ₂
18:00 – 19:00		Silke Biermann École Polytechnique, France	Lecture: Spectral properties of correlated electron materials from a dynamical mean field theory perspective and beyond
19:00 – 19:30	Panel Discussion		

WEDNESDAY, 10.11.2021

Time	Session	Speaker	Title
10:00 – 10:30	Functional oxides & Misfit heterostructures	Kenji Yasuda Massachusetts Institute of Technology, USA	Stacking-engineered two-dimensional ferroelectrics
10:30 – 11:00		Susanne Stemmer University of California, Santa Barbara, USA	Inversion symmetry breaking and superconductivity of SrTiO ₃
11:00 – 11:30	Panel Discussion		
11:30 – 12:20	Short Presentations I	Wangzhou Wu University of California	Molecular beam epitaxy of phase-pure antiperovskite Sr ₃ SnO thin films
		Xutao Wang Shanghai Jiao Tong University	Superconductivity of Ca-intercalated bilayer graphene on silicon carbide
		Yudai Sato The University of Tokyo	Role of steps on superconductor-insulator transition of mono-atomic-layer metal films formed on semiconducting substrates
		Masahiro Haze The University of Tokyo	Compressed sensing for efficient measurement of quasiparticle interference with the use of scanning tunneling microscopy/spectroscopy
		Yanting Zhang Okayama University	Temperature-dependent FET properties of dibenzo[n]phenacenes (n = 5 – 7)
<i>Long break</i>			
14:00 – 14:30	Interfacial magnetism	Masaki Nakano The University of Tokyo, Japan	Proximity-induced ferromagnetism in 2D NbSe ₂
14:30 – 15:00		Kouji Taniguchi Tohoku University, Japan	Zero-bias photocurrent generation in chirality-introduced layered organic-inorganic hybrid perovskites
15:00 – 15:30		Yoshihiko Togawa Osaka Prefecture University, Japan	Chirality-induced macroscopic spin resonance
15:30 – 16:00	Panel Discussion		
16:00 – 16:30	Short Presentations II	Xiaonan Ma Shanghai University, China	Tunable vertical ferroelectricity and domain walls by interlayer sliding in β -ZrI ₂
		Sapir Weitz Sobelman Bar-Ilan University, Israel	Scanning SQUID imaging of ferromagnetic ultra-thin SrRuO ₃ /SrTiO ₃
		Daria Medvedeva Czech Academy of Science, Czech Republic	Inelastic electron tunneling through nanomagnetic structures
16:30 – 16:45	Closing Remarks		