

**October 24, 2014, Friday, M234, IOP****Morning Session**

Chair: Prof. Yayu Wang

09:00- 09:05	Zhong-xian Zhao	Institute of Physics, Beijing	Welcome Speech
09:05- 09:15	Xing-Jiang Zhou	Institute of Physics, Beijing	Brief Introduction to National Lab for Superconductivity and the Symposium
09:15- 10:05	Aharon Kapitulnik	Stanford University	Surface Superconductivity in the non-centrosymmetric half-Heusler LuPtBi system
10:05 - 10:30	Break & group photo		
10:30- 11:20	Shuheng Pan	Institute of Physics, Beijing	Effects of Single-Atom Impurities on Superconductivity
11:20- 12:10	Mohammad Hamidian	Cornell University	Imaging the atomic-scale conflict between d -symmetry Cooper pairs and d -form factor density waves in underdoped cuprates
12:10 - 14:00	Lunch		

Afternoon Session

Chair: Prof. Christoph Renner

14:00 -14:50	Qikun Xue	Tsinghua University	Molecular beam epitaxy-scanning tunneling microscopy of high Tc superconductivity
14:50 -15:40	Tetsuo Hanaguri	RIKEN Advanced Science Institute	Superconducting gap and quasi-particle interference in FeSe
15:40 -16:00	Break		
16:00 -16:50	Abhay Pasupathy	Columbia University	Evolution of Electronic Nematicity across the Pnictide Phase Diagram
16:50 -17:40	Tien-Ming Chuang	Academia Sinica, Taipei	Atomic-scale Visualization of Electronic Nematicity and Cooper Pairing in Iron-based Superconductors
18:00 -	Dinner		

October 25, 2014, Saturday, M234, IOP**Morning Session**

Chair: Prof. Tetsuo Hanaguri

09:00 -09:50	Yayu Wang	Tsinghua University	Imaging the evolution from a Mott insulator to a charge ordered insulator in lightly doped cuprates
09:50 -10:40	Christoph Renner	University of Geneva	Nematic and stripe charge order in high temperature and conventional superconductors
10:40 -10:55	Break		
10:55 -11:45	Yi Yin	Zhejiang University	Applying scanning tunneling microscope to study the Fermi surface and pseudogap evolution in cuprate superconductors
11:45 -14:00	Lunch		

Afternoon Session

Chair: Prof. Lei Shan

14:00 -14:50	Hai-Hu Wen	Nanjing University	Identifying the superconductivity mechanism and pairing gap in iron based superconductors by scanning tunneling spectroscopy
14:50 -15:40	Ang Li	Shanghai Institute of Microsystem and Information Technology	Scanning Tunneling Microscope as a Powerful Tool for Exploring Materials with Knowing Whom
15:40 -16:00	Break		
16:00 -16:50	Steffen Wirth	MPI for Chemical Physics of Solids, Dresden	STM studies of correlated materials
16:50 -17:40	Jinfeng Jia	Shanghai Jiao Tong University	Majorana mode in artificial topological superconductors and single-layer FeSe on SrTiO ₃ with a superconducting T _c above 100 K
17:40 -18:00	Summary & Closing remarks		
18:00 -	Dinner		