

Workshop on Recent Progress in Oxide Interfaces

11 - 13 June 2012, Room 212, Second Floor, Building D,
Institute of Physics, Chinese Academy of Science, Beijing, China

Monday, 11 June 2012		
Session 1		
Chair: Xi Dai (IOP)		
09: 00-09: 10	Yupeng Wang	Director of IOP
	Opening remarks	
09: 10-09: 40	Darrell Schlom	Cornell University
09: 40-10: 10	James Eckstein	University of Illinois at Urbana-Champaign
	How Superconductors Misbehave at Oxide Interfaces	
10: 10-10: 30	Group Photo and Coffee	
Session 2		
Chair: Darrell Schlom (Cornell)		
10: 30-11: 00	Charles Ahn	Yale University
11: 00-11: 30	Chang-Beom Eom	University of Wisconsin–Madison
11: 30-12: 00	Xiao-Qing Pan	University of Michigan
	Probing the Domain Dynamics during Ferroelectric Switching with Atomic Resolution	
12: 00-14: 00	Lunch: Fourth Floor of Wu-Ke Restaurant	
Session 3		
Chair: Ward Plummer (LSU)		

14: 00-14: 30	Kyle Shen	Cornell University
14: 30-15: 00	Hong Ding	Institute of Physics, CAS
	Efforts in in-situ growth and measurement of unconventional superconductors	
15: 00-15: 30	Li-Li Wang	Institute of Physics, CAS
	Interface-Induced High-Temperature Superconductivity in Single Unit-Cell FeSe Films on SrTiO ₃	
15: 30-16: 00	Coffee	
Session 4		
Chair: Runwei Li (NIMTE)		
16: 00-16: 30	Jak Tchakhalian	University of Arkansas
	Correlated electrons at the interfaces of cuprates and nickelates	
16: 30-17: 00	Kui-Juan Jin	Institute of Physics, CAS
	Evidence for a crucial role played by the oxygen vacancies in LaMnO ₃ resistive switching memories	
17: 00-17: 30	Jian Shen	Fudan University

Tuesday, 12 June 2012		
Session 5		
Chair: Jiandong Guo (IOP)		
09: 00-09: 30	Tom Wu	Nanyang Technological University
	Memristor at oxide interface	
09: 30-10: 00	Chang-Gan Zeng	University of Science and Technology of China
	Photovoltaic effect in unit-cell-thick LaAlO ₃ films on SrTiO ₃	
10: 00-10: 30	Coffee	
Session 6		
Chair: Jak Tchakhalian (Arkansas)		
10: 30-11: 00	Yimei Zhu	Brookhaven National Lab
11:00-11: 30	Jiandi Zhang	Louisiana State University
11: 30-12: 00	Denis Maryenko	RIKEN
	Electron correlation effects in high mobility ZnO heterostructures.	
12: 00-13: 30	Lunch: Fourth Floor of Wu-Ke Restaurant	
Session 7		
Chair: Kuijuan Jin (IOP)		
14: 00-14: 30	T. Zac Ward	Oak Ridge National Laboratory
	Controlling multiphase electronic behavior in complex oxides	
14: 30-15: 00	Yong-Gang Zhao	Tsinghua University
15: 00-15: 30	Wei Ku	Brookhaven National Lab
	Recent development of first-principles methods for correlated oxides and Fe-pnictides containing disordered impurities	

15: 30-16: 00	Coffee	
Session 8		
Chair: Jiandi Zhang (LSU)		
16: 00-16: 30	Ming-Shu Chen	Xiamen University
16: 30-17: 00	Li-Xin Zhang	Nankai University
	Asymmetric distribution of oxygen vacancies at the LAO/STO interface: Theoretical calculations	
17: 00-17: 30	Bing Wang	University of Science and Technology of China
	Photocatalytic dissociation of water at Ti5c site on TiO ₂ (110)-1x1 with atomic resolution	
17: 30-18: 00	Jiandong Guo	Institute of Physics, CAS
	Surface Reconstructions and the Epitaxial Growth on SrTiO ₃ (110)	

Wednesday, 13 June 2012		
Session 9		
Chair: Kyle Shen (Cornell)		
09: 00-09: 30	Jing Teng	Louisiana State University
	Surface dynamics of parent and Mn doped Sr ₃ Ru ₂ O ₇	
09: 30-10: 00	Shahal Ilani	Weizmann Institute of Science
10: 00-10: 30	Run-Wei Li	Ningbo Institute of Materials Technology & Engineering, CAS
	Ion transport and resistive switching in oxide sandwiched structures	
13: 00-11: 00	Coffee	
Session 10		
Chair: Changgan Zeng (USTC)		
11:00-11: 30	Li-Feng Yin	Fudan University
11: 30-12: 00	Hao Yang	Soochow University
	Vertical interface effects in oxide nanocomposite thin films	
12: 00-12: 30	Xiao-Fang Zhai	University of Science and Technology of China
	Suppressed magnetic ordering in tensile-strained CaMnO _{3-δ} thin films	
12: 30-14: 00	Lunch: Fourth Floor of Wu-Ke Restaurant	