Beijing Symposium 2016 on

Chemical Reactions Under External Fields

April. 2-5, 2016, Xiamen City Hotel (厦门宾馆 5 号楼 文华厅)

April 2, Saturday, Wenhua Hall		
Chair: Bin Ren		
14:30-17:30	**Martin Moskovits** University of California, Santa Barbara **Overview of SERS and Some Useful Applications of SERS**	
April 3, Sunday, Wenhua Hall		
8:20-8:30	**Opening Speech (Bin Ren)**	
Chair: Qing-Hua Xu		
8:30-9:20	**Jeremy Baumberg** University of Cambridge **Using Hot-electrons from Extreme Plasmonic Confinement**	**K1**
9:20-9:50	**Guan-Hua Chen** The University of Hong Kong **Quantum Mechanical Simulation of Open Systems: Photovoltaic Device, OLED, Water Splitting**	**I1-1**
9:50-10:20	**Kei Murakoshi** Hokkaido University **Characteristics of Active Sites for Plasmon-induced Electron Transfer Reactions at Electrified Interfaces**	**I1-2**
10:20-10:50	**Coffee Break & Group Photo**	
Chair: Kei Murakoshi		
10:50-11:20	**Huai-Yong Zhu** Queensland University of Technology **Direct Photocatalysis of Supported Nanoparticles of Plasmonic Metals and Their Alloys**	**I1-3**
11:20-11:50	**Philip Christopher** University of California, Riverside **Hot Electrons, Hot Spots and Interfacial Electronic Transitions in Photocatalysis on Metal Nanoparticles**	**I1-4**
11:50-12:20	**De-Yin Wu** Xiamen University **Plasmon-enhanced Chemical Reactions on Noble Metal Electrodes of Nanostructures**	**I1-5**

12:30-13:50	**Lunch**	
Chairs: Leonard Prins, Yi Luo		
14:00-14:30	**Thomas Hermans** University of Strasbourg **Supramolecular Pathway Selection and Dissipative Self-assembly Using Chemical Fuels**	**I1-6**
14:30-15:00	**P S Mukherjee** Indian Institute of Science **Molecular Vessels**	**I1-7**
15:00-15:30	**Wei Xu** Tongji University **On-surface Synthesis of Novel Carbon Nanostructures via C-C Coupling**	**I1-8**
15:30-16:00	**Ying Jiang** Peking University **Tip-enhanced Inelastic Electron Tunneling Spectroscopy**	**I1-9**
Chair: Huai-Yong Zhu		
20:00-20:50	**Tian-Quan Lian** Emory University **Efficient Hot Electron Transfer by Plasmon Induced Interfacial Charge Transfer Transition**	**K2**
20:50-22:00	**Poster Flash Talk & Poster Session**	
April 4, Monday, Wenhua Hall		
Chairs: Tian-Quan Lian, Tamitake Itoh		
8:20-8:50	**Martin Moskovits** University of California, Santa Barbara **Plasmons and Hot Electrons as Intermediaries in Photocatalysis**	**I2-1**
8:50-9:20	**Feng-Tao Fan** Dalian Institute of Chemical Physics, CAS **Surface Imaging of Photoinduced Charge Seperation on Single Particle Photocatalyst**	**I2-2**
9:20-9:50	**Ping Xu** Harbin Institute of Technology **In Situ Raman Monitoring of Laser-induced Chemical Reactions**	**I2-3**
9:50-10:20	**Meng-Tao Sun** Institute of Physics, CAS **Graphene-plasmon Hybrid for Plasmon-induced Chemical Reactions**	**I2-4**
10:20-10:50	**Coffee Break**	
Chair: Subi George		

10:50-11:20	**Guido Clever** TU Dortmund University **Guest-Binding and Structural Reorganization in Stimuli-responsive Coordination Cages**	**I2-5**
11:20-11:50	**Wen-Ke Zhang** Jilin University **In Situ Initiation and Detection of Stretching-induced Chemical Reactions by Using AFM**	**I2-6**
11:50-12:20	**Wen-Gui Weng** Xiamen University **Mechanochromism and Mechanical-force-triggered Cross-linking from a Single Reactive Moiety Incorporated into Polymer Chains**	**I2-7**
Chairs: Zee Hwan Kim, Philip Christopher		
14:00-14:30	**Yi Luo** University of Science and Technology of China **Molecular Response in Confined Plasmoic Field**	**I2-8**
14:30-15:00	**Tamitake Itoh** National Institute of Advanced Industrial Science and Technology **Re-examination of Interaction between Plasmon and Molecular Exciton by Surface Enhanced spectroscopy**	**I2-9**
15:00-15:30	**Jian-Lin Yao** Soochow University **Electrochemical Plasmon-induced Coupling Reaction on TiO_2-Au Electrode Surface**	**I2-10**
15:30-16:00	**Wei Xie** Nankai University **Chemical Reactions on Plasmonic Metal Nanoparticles Detected by Surface-enhanced Raman Spectroscopy**	**I2-11**
Chair: Li-Feng Chi		
20:00-20:50	**Kai Wu** Peking University **STM – A Powerful Tool of Imaging, Manipulation and Spectroscopically Measurement for Surface Chemistry and Beyond**	**K3**
20:50-21:20	**Qing-Hua Xu** National University of Singapore **Plasmon Enhanced Two-Photon Photoluminescence of Metal Nanoparticles**	**I2-12**
April 5, Tuesday, Wenhua Hall		
Chairs: Kai Wu, Thomas Hermans		
8:20-8:50	**Li-Feng Chi** Soochow University **Influence of Metal Surfaces on Selective C-H bond Activation**	**I3-1**
8:50-9:20	**Fan Yang** Dalian Institute of Chemical Physics, CAS **CO Oxidation at The Interface between FeO and Noble metals: Interface and Size Effects**	**I3-2**

9:20-9:50	**Leonard Prins** University of Padova **Dissipative Self-assembly of Vesicular Nanoreactors**	**I3-3**
9:50-10:20	**Subi George** Jawaharlal Nehru Centre for Advanced Scientific Research **Thermodynamic and Kinetic Control over Growth of Supramolecular Stacks**	**I3-4**
10:20-10:50	**Coffee Break**	
Chair: Martin Moskovits		
10:50-11:20	**Zee Hwan Kim** Seoul National University **Plasmon-activation of Molecules on Metallic Surfaces**	**I3-5**
11:20-11:50	**Emiliano Cortes** Imperial College **Single-molecule Electrochemistry Followed by SERS**	**I3-6**
11:50-12:20	**Zhong-Qun Tian** Xiamen University **Possible Effects on Chemical Reactions by Electric and Thermal Field Gradients Created and Confined by Surface Plasmon**	**I3-7**