

# 2018 分子科學前沿兩岸四方聯合交流會

## 2018 Cross-Strait Quadrilateral Workshop on Frontiers of Chemistry

Oct 24-25, 2018  
Ta-shue Chou Memorial Hall  
Institute of Chemistry,  
Academia Sinica



中研院化學所  
Institute of Chemistry, Academia Sinica



INSTITUTE OF CHEMISTRY  
CHINESE ACADEMY OF SCIENCES



北京大学化学与分子工程学院  
College of Chemistry and Molecular Engineering

### Oct 24 (Wednesday)

08:30-14:00	Registration
09:00-09:05	<b>Welcome Address</b> Director Yu-Ju Chen 陳玉如所長 (Academia Sinica)
09:05-09:10	<b>Guest Address</b> Director Deqing Zhang 張德清所長 (Chinese Academy of Sciences)
Moderator: Professor Yu-Tai Tao 陶雨臺教授 (Academia Sinica)	
09:10-09:40	Modification of Side Chains of Conjugated D-A Polymers for Charge Mobility Enhancement and Sensing Functionality Professor Deqing Zhang 張德清教授 (Chinese Academy of Sciences)
09:40-10:10	Macrocyclic Ligands Derived from Open-cage [60]Fullerenes Professor Liangbing Gan 甘良兵教授 (Peking University)
10:10-10:30	<b>Break</b>
Moderator: Professor Chih-Hsiu Lin 林質修教授 (Academia Sinica)	
10:30-11:00	Iptycene-Substituted Polyaniline Electrode Materials Professor Jye-Shane Yang 楊吉水教授 (National Taiwan University)
11:00-11:30	Carbodicarbene, Carbogenic Maverick Professor Tiow-Gan Ong 王朝諺教授 (Academia Sinica)
11:30-12:00	Manganese-Catalyzed Organometallic C-H Bond Activation Professor Congyang Wang 王從洋 (Chinese Academy of Sciences)
12:00-13:30	<b>Lunch</b>
Moderator: Professor Hsien-Ming Lee 李賢明教授 (Academia Sinica)	
13:30-14:00	Transformation of Carbon Dioxide to Chemicals under Mild Conditions Professor Zhimin Liu 劉志敏教授 (Chinese Academy of Sciences)
14:00-14:30	Development of Siderophore Conjugates for Selective Bacterial Targeting Professor Tsung-Shing Andrew Wang 王宗興教授 (National Taiwan University)
14:30-15:00	Smart PEDOT Nanomaterials for Biomedical Applications Professor Hsiao-hua Bruce Yu 尤嘯華教授 (Academia Sinica)
15:00-15:30	Conjugated Polymer Assembly Materials for Biomedical Applications Professor Shu Wang 王樹教授 (Chinese Academy of Sciences)
15:30-15:50	<b>Break</b>
Moderator: Professor Cedric Po-Wen Chung 鍾博文教授 (Academia Sinica)	
15:50-16:10	Porpholactone Chemistry: An Emerging Synthetic Tetrapyrrole Cofactor Professor Junlong Zhang 張俊龍教授 (Peking University)
16:10-16:40	Self-Assembly Methodologies for Rational Construction of Metallo-Supramolecular Architectures

	Professor Yi-Tsu Chan 詹益慈教授 (National Taiwan University)
16:40-17:10	Small Molecule Conversions Directed by Metal Complexes of N-Confused Porphyrins Professor Chen-Hsiung Hung 洪政雄教授 (Academia Sinica)
17:10-17:40	Counter anion-Assisted Catalytic Asymmetric Hydrogenation Reactions Professor Qinghua Fan 范青華教授 (Chinese Academy of Sciences)
17:40-18:00	<b>Group Photo</b>
18:30-	<b>Dinner</b>

#### Oct 25 (Thursday)

Moderator: Professor Shih-Sheng Sun 孫世勝教授 (Academia Sinica)	
09:00-09:30	Developing Ring Formation Reactions Professor Zhixiang Yu 余志祥教授 (Peking University)
09:30-10:00	Reactivity and Catalytic Activity of Boron Cations Professor Ching-Wen Chiu 邱靜雯教授 (National Taiwan University)
10:00-10:30	Tailoring Bimetallic Nanostructures toward Catalytic Energy Conversion Professor Chun-Hong Kuo 郭俊宏教授 (Academia Sinica)
10:30-10:50	<b>Break</b>
Moderator: Professor Jiun-Jie Shie 謝俊結教授 (Academia Sinica)	
10:50-11:20	Optical and Electronic Properties of Metal–Organic Frameworks Professor Kuang-Lieh Lu 呂光烈教授 (Academia Sinica)
11:20-11:50	Endohedral Fullerenes as Molecular Qubits Professor Shangda Jiang 蔣尚達教授 (Peking University)
11:50-12:20	Aging and sound: the molecular mysteries behind antique Italian violins and Chinese guqin Professor Hwan-Ching Tai 戴桓青教授 (National Taiwan University)
12:20-14:00	<b>Lunch</b>
Moderator: Professor Hsiung-Lin Tu 涂熊林教授 (Academia Sinica)	
14:00-14:30	Development of therapeutic and diagnostic peptides from amyloidogenic sequence in neurodegenerative disease Professor Joseph Jen-Tse Huang 黃人則教授 (Academia Sinica)
14:30-15:00	In Vivo Electrochemical Analysis Professor Lanqun Mao 毛蘭群教授 (Chinese Academy of Sciences)
15:00-15:30	Macrocyclization of Site-Specific Protein-Poly( $\alpha$ -amino acid) Conjugates Professor Hua Lyu 呂華教授 (Peking University)
15:30-15:50	<b>Break</b>
Moderator: Professor Hung-Ju Yen 顏宏儒教授 (Academia Sinica)	
15:50-16:10	High Efficiency Vacuum-Processed Organic Solar Cells Professor Ken-Tsung Wong 汪根權教授 (National Taiwan University)
16:10-16:40	Chirality-Specified Growth of Single-Walled Carbon Nanotubes Professor Yan Li 李彥教授 (Peking University)
16:40-17:10	Quinoid-Type Organic Optoelectronic Materials Professor Xiaozhang Zhu 朱曉張教授 (Chinese Academy of Sciences)
18:00-	<b>Dinner</b>