

# Programme

## 1) Day One (8 October 2015)

Time	Event	Session chair
08:55	<b>Introduction and welcome</b>	Shuli You <i>Shanghai Institute of Organic Chemistry, CAS</i>
09:20	<b>Lewis base activation of lewis acids: An evolving paradigm for catalysis in main group chemistry</b> Scott E. Denmark, <i>University of Illinois at Urbana-Champaign, USA</i>	Kuiling Ding <i>Shanghai Institute of Organic Chemistry, CAS</i>
10:20	Photo and coffee break	
<b>New transformations</b>		
10:40	<b>Forced orthogonality in the synthesis of bioactive compounds</b> Andrei K. Yudin, <i>University of Toronto, Canada</i>	Wanbin Zhang <i>Shanghai Jiaotong University</i>
11:20	<b>Exploring versatile metal-complexes for catalytic transformation of C-H and C-N bonds</b> Hanmin Huang, <i>Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, China</i>	
12:00	<b>Lunch</b>	
13:00	Poster session	
14:00	<b>New allylic alkylation reactions: Asymmetric construction of acyclic quaternary carbon stereogenic centers</b> P. Andrew Evans, <i>Queen's University, Canada</i>	Xuelong Hou <i>Shanghai Institute of Organic Chemistry, CAS</i>
14:40	<b>Asymmetric 1,3-dipolar cycloaddition for the construction of six-membered N-containing heterocycles</b> Chunjiang Wang, <i>Wuhan University, China</i>	
15:20	<b>Generation of <math>\alpha</math>-imino gold carbenes through gold-catalyzed intermolecular reaction of azides with ynamides*</b> Long-Wu Ye, <i>Xiamen University, China</i>	
15:35	<b>Enantioselective functionalization of indoles</b> Yi-Xia Jia, <i>Zhejiang University of Technology, China</i>	
15:50	<b>Coffee break</b>	
16:10	<b>My favorite rings: Catalytic cycles inspired by macrocycles</b> Vy M. Dong, <i>University of California, Irvine, USA</i>	Liang Deng <i>Shanghai Institute of Organic Chemistry, CAS</i>
16:50	<b>Transition metal-catalyzed oxidative difunctionalization of alkenes</b> Guosheng Liu, <i>Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China</i>	
17:30	<b>Catalysis and sensing: Click to proceed</b> John S. Fossey, <i>University of Birmingham, UK</i>	
17:45	<b>Bidentate boryl anions as supporting ligands for homogeneous catalysis</b> Pengfei Li, <i>Xi'an Jiaotong University, China</i>	
18:00	<b>Closing day 1</b>	

## 2) Day Two (9 October 2015)

Time	Event	Session chair
08:55	Welcome day 2	
Sustainable catalysis		
09:00	<b>Non-noble metal catalysis for making precious molecules</b> Matthias Beller, <i>Leibniz Institute for Catalysis, Germany</i>	Zheng Huang <i>Shanghai Institute of Organic Chemistry, CAS</i>
09:40	<b>Asymmetric hydrogenation of heteroaromatics</b> Yong-Gui Zhou, <i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China</i>	
10:20	Coffee break	
10:40	<b>Copper-catalyzed asymmetric borylation of carbonyl and heteroaromatic compounds</b> Hajime Ito, <i>Hokkaido University, Japan</i>	Yuanhong Liu <i>Shanghai Institute of Organic Chemistry, CAS</i>
11:20	<b>Engineering multitasking C-H activation reactions for small molecule drug discovery</b> Yong Huang, <i>Peking University, China</i>	
12:00	Lunch	
13:00	Poster session	
14:00	<b>Advances in organophosphorus-catalysed methods for heterocyclic synthesis</b> Steve Marsden, <i>University of Leeds, UK</i>	Guozhu Zhang <i>Shanghai Institute of Organic Chemistry, CAS</i>
14:40	<b>Bio-inspired chiral primary amine catalysis: Enantioselective transformations with <math>\alpha</math>-branched ketones</b> Sanzhong Luo, <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>	
15:20	<b>Chiral guanidine-metal complexes in asymmetric reactions of <math>\alpha</math>-diazoesters</b> Xiaohua Liu, <i>Sichuan University, China</i>	
15:35	<b>Chiral redox-active ligand for asymmetric iron catalysis</b> Zhan Lu, <i>Zhejiang University, China</i>	
15:50	Coffee break	
Natural products		
16:10	<b>Stereocontrolled reaction cascades for the synthesis of complex polycycles</b> Alison J. Frontier, <i>University of Rochester, USA</i>	Xuefeng Jiang <i>East China Normal University</i>
16:50	<b>Olefins, dienes, and trienes in natural product synthesis</b> Ang Li, <i>Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China</i>	
17:30	<b>Total synthesis of (–)-exiguolide via an organosilane-based strategy</b> Zhenlei Song, <i>Sichuan University, China</i>	
17:45	<b>Total synthesis of guaianoids enabled by Harmata's [4+3] reaction</b> Bingfeng Sun, <i>Shanghai Institute of Organic Chemistry, CAS, China</i>	
18:00	Closing day 2	

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### 3) Day Three (10 October 2015)

Time	Event	Session chair
08:55	Welcome day 3	
Natural products (continued)		
09:00	Adventures in natural products chemistry: Methodology, synthesis, structure determination Jonathan Burton, <i>University of Oxford, UK</i>	Ran Hong <i>Shanghai Institute of Organic Chemistry, CAS</i>
09:40	Break down the complex to make it simple —rapid creation of molecular complexity through strategic bond disconnections Guangxin Liang, <i>Nankai University, China</i>	
10:20	Coffee break	
10:40	Artificial photosynthetic systems for chemical transformation Lizhu Wu, <i>Technical Institute of Physics and Chemistry, China</i>	Guoqiang Lin <i>Shanghai Institute of Organic Chemistry, CAS</i>
11:40	Poster prize and closing	Ning Jiao <i>Peking University</i>
12:00	Lunch	