

## Scientific Program of the Hypervalent Iodine Chemistry Conference

[15 invited speakers, 35 minutes for each speaker]

[14 short talkers, 15 minutes for each speaker]

**Location:** Report Hall, 2nd Floor, Shixian Building

石先楼二楼报告厅

### Friday, March 8, 2019

12:00 - 17:00     **Registration and Check-in**

(泰达会馆 Teda International Club Tianjin, outside of campus)

(汇高花园酒店 Huigao Garden Hotel, outside of campus)

18:30 - 21:30     **Dinner** (TBA) (待定)

### Saturday, March 9, 2019

8:30 - 8:40     **Welcome Remarks** by *Prof. Gong Chen*

*Session I.* Chair: *Prof. Ren-Hua Fan*

8:40 - 9:15     **Prof. Viktor Zhadankin** (University of Minnesota  
Duluth, USA)

IL01: [Development of New Hypervalent Iodine Reagents](#)

9:15 - 9:50     **Prof. Chao Chen** (Tsinghua University, China)

IL02: [Diaryliodonium Salts Engaged in C-C Bond Forming  
Reaction](#)

9:50 - 10:25     **Prof. Yi-yun Chen** (Institute of Organic Chemistry, Chinese  
Academy of Sciences, China)

IL03: [Cyclic Iodine\(III\) Reagents Enable Visible-Light-Induced  
Biomolecule-Compatible Reactions](#)

## 高价碘化学学术研讨会 (南开大学元素有机化学国家重点实验室, 2019-03)

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10:25 - 10:55 **Coffee Break & Taking Photos**

*Session II.* Chair: *Prof. Chao Chen*

10:55 - 11:10 **Prof. Jian-wei Han** (East China University of Science and Technology)

ST01: Arylations in Synthesis of Functional Aromatics

11:10 - 11:25 **Prof. Xiao-Song Xue** (Nankai University)

ST02: Mechanism and Selectivity of Iodine(I/III)-Mediated Fluorinations

11:25 - 11:40 **Prof. Wei Yu** (Lanzhou University)

ST03: Hypervalent Iodine Reagent-Mediated Azidations of Alkenes

11:40 - 11:55 **Prof. Bo Peng** (Zhejiang Normal University)

ST04: Fluorine Effect Enables [3,3]-Sigmatropic Rearrangement of Aryliodanes with Difluoroenol Silyl Ethers

12:00 - 14:00 **Lunch** (谊园餐厅 Yiyuan Restaurant; inside of campus)

*Session III.* Chair: *Prof. Gang He*

14:00 - 14:35 **Prof. Andrey Antochick** (Max-Planck Institute of Molecular Physiology, Germany)

IL04: Metal-Free Direct Oxidative Coupling

14:35 - 15:10 **Prof. Ren-hua Fan** (Fudan University, China)

IL05: Transformation Of Electron-rich Aromatic Compounds Via Iodine(III) Induced Dearomatization

15:10 - 15:45 **Prof. Yun-fei Du** (Tianjin University, China)

IL06: Hypervalent Iodine(III)-Mediated Construction of Spiroheterocyclic Skeletons

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15:45 - 16:05 **Coffee Break**

*Session IV.* Chair: *Prof. Qi-Long Shen*

16:05 - 16:40 **Prof. Jérôme Waser** (Federal Institute of Technology, Lausanne, Switzerland)

IL07: [Pushing the Limits of Umpolung with Hypervalent Iodine Reagents](#)

16:40 - 17:15 **Prof. Xue-feng Jiang** (East China Normal University, China)

IL08: [The Atom Exchange of Diaryliodonium Salts](#)

17:15 - 17:30 **Prof. Wen-hua Zheng** (Nanjing University)

ST06: [Enantioselective hypervalent iodine catalysis-new catalyst and new reaction](#)

17:30 - 17:45 **Prof. Shi-jun Wen** (Zhongshan University)

ST07: [Cyclic diaryliodoniums to approach polycycle libraries via cascade dual arylation](#)

18:00 - 20:30 **Banquet** (TBA)

## Sunday, March 10, 2019

*Session V.* Chair: *Prof. Jérôme Waser*

8:30 - 9:05 **Prof. Guo-sheng Liu** (Institute of Organic Chemistry, Chinese Academy of Sciences, China)

IL09: [Cooperative Hypervalent Iodine-mediated Intermolecular Oxidative Carbonylation of Alkenes using Palladium catalyst](#)

9:05 - 9:40 **Prof. San-zhong Luo** (Tsinghua University, China)

IL10: [Enantioselective IBX Oxidation by Chiral Primary Amine Catalysis](#)

9:40 - 10:15 **Prof. Xin-Yuan Liu** (Southern University of Science and

Technology, China)

IL11: Cooperative Copper(I)-Catalyzed Radical-Initiated  
Asymmetric Reactions with Hypervalent Iodine Reagents

10:15 - 10:35 **Coffee Break**

*Session VI.* Chair: *Prof. Ying-Yeung Yeung*

10:35 - 10:50 **Prof. Hong-ji Li** (Huaibei Normal University)

ST08: Catalytic Chemical Bond Formation Using Hypervalent  
Iodine(III) Reagents

10:50 - 11:05 **Prof. Qian Cai** (Jinan University)

ST09: Chiral Aryl Iodides with Novel Skeletons

11:05 - 11:20 **Prof. Yan Xiong** (Chongqing University)

ST10: Synthesis of morpholines through hypervalent  
iodine-promoted [4+2] cycloaddition

11:20 - 11:35 **Prof. Chen Zhu** (Soochow University)

ST11: Combination of Hypervalent Iodine with Manganese  
Catalyst for Ring Opening of Cyclobutanols

11:35 - 11:50 **Prof. Hong-yin Gao** (Shandong University)

ST12: Copper-Catalyzed Tandem Approach to Indoles and  
Benzoindoles

12:00 - 14:00 **Lunch** (谊园餐厅 Yiyuan Restaurant; inside of campus)

*Session VII.* Chair: *Prof. Yun-Fei Du*

14:00 - 14:35 **Prof. Thomas Wirth** (Cardiff University, UK)

IL12: Alternative Strategies with Iodine: Fast Access to New  
Iodine(III) Compounds

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- 14:35 - 15:10 **Prof. Qi-long Shen** (Institute of Organic Chemistry, Chinese Academy of Sciences, China)  
IL13: [Electrophilic Fluoroalkylating Reagent Based on Sulfonium Ylide Skeleton](#)
- 15:10 - 15:45 **Prof. Zhen-hua Gu** (University of Science and Technology, China)  
IL14: [Enantioselective Ring-Opening Reaction of Cyclic Diaryliodoniums](#)
- 15:45 - 16:05 **Coffee Break**
- Session VIII. Chair: Prof. Ping-Ping Tang*
- 16:05 - 16:40 **Prof. Ying-Yeung Yeung** (The Chinese University of Hong Kong)  
IL15: [Lewis Base-Promoted Ring-Opening and 1,3-Dioxygenation of Unactivated Cyclopropanes Using Hypervalent Iodine Reagent](#)
- 16:40 - 16:55 **Prof. Feng-zhi Zhang** (Zhejiang University of Technology)  
ST13: [Transition-Metal Catalysis Involved with Cyclic Diaryliodonium Salts](#)
- 16:55 - 17:10 **Prof. Cheng-Pan Zhang** (Wuhan University of Technology)  
ST14: [Fluoroalkylation Reactions with Aryliodonium Salts](#)
- 17:10 - 17:25 **Prof. Hong Zhang** (Xiamen University)  
ST15: [Electrophilic Aromatic Substitution of Möbius Aromatics Mediated by Hypervalent Iodine Reagents](#)
- 17:25 - 17:35 **Closing Remarks** by *Prof. Chi Zhang*
- 18:00 - 21:00 **Dinner**