

**International Symposium On Single-Atom Catalysis**

**会议时间：2016年6月30日（星期四）— 7月2日（星期六）**

**会议地点：能源楼会议中心**

**主办**

中国科学院大连化学物理研究所

**组委会**

**主席**

张 涛 院士 （中国科学院大连化学物理研究所）

刘景月 教授 （美国亚利桑那州立大学）

李 隽 教授 （清华大学）

**日程安排**

**June 30 (Thursday)**

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| **Time** | **Chair: Can Li** |
| 13:30-13:50 | Opening Ceremony |
| 13:50-14:40 | **PL-01:** Single-atom Platinum and Gold Catalysts Stabilized on Various Supports | **Maria Flytzani-****Stephanopoulos** |
| 14:40-15:30 | **PL-02:** Single-atom Catalysts: Concept, Application and Opportunity | **Tao Zhang** |
| **15:30-15:55** | **Photo & Coffee Break** |
| **Time** | **Chair: Nanfeng Zheng & Adam F. Lee** |
| 15:55-16:30 | **KN-01:** Anchoring and Localizing Single Metal Atoms for Better Catalysis | **Jingyue (Jimmy) Liu** |
| 16:30-16:55 | **IT-01:** Nanostructured Catalysts for Sustainable Chemical Transformations: from Single Crystal to Single Site | **Adam F. Lee** |
| 16:55-17:20 | **IT-02:** Single-Atom Catalysts Achieved by Atomic Layer Deposition | **Junling Lu** |
| 17:20-17:55 | **KN-02:** Photochemical Route for Synthesizing Atomically Dispersed Palladium Catalysts | **Nanfeng Zheng** |
| **18:30** | **Reception** |

**July 01 (Friday)**

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| **Time** | **Chair: Abhaya K. Datye & Javier Pérez-Ramírez** |
| 08:30-09:20 | **PL-03:** Isolated Catalytic Sites around the Periodic Table | **Peter C. Stair** |
| 09:20-09:55 | **KN-03:** Stable Single-atom Catalysts Based on Graphitic Carbon Nitride | **Javier Pérez-Ramírez** |
| 09:55-10:20 | **IT-03:** Structure, Oxidation State, and Chemical Sensitivity of Steps on Anatase (001) Surfaces Decorated with Transition Metal Atoms | **Albert Bruix Fusté** |
| **10:20-10:40**  | **Coffee Break & Poster Session** |
| 10:40-11:15 | **KN-04:** Hydrodeoxygenation of Bio-oil Model Molecules and Reduction of Nitric Oxide on Single Site Catalysts | **Franklin (Feng) Tao** |
| 11:15-11:40 | **IT-04:** Single-Atom Electrocatalysis in Dye-Sensitized Solar Cells | **Y. T. Shi** |
| 11:40-12:05 | **IT-05:** Site-specific FTIR Analysis of Rh and Pt Single Atom Reactivity on Oxide Supports | **Phillip Christopher** |
| 12:05-12:40 | **KN-05:** Thermally Stable, Regenerable Single Atom Catalysts via Atom Trapping | **Abhaya K. Datye** |
| **12:40** | **Lunch** |
| **Time** | **Chair: Weixue Li & Konstantin M. Neyman** |
| 14:00-14:50 | **PL-04:** Ménage-à-Trois: Single-atom Catalysis, Mass Spectrometry, and Computational Chemistry | **Helmut Schwarz** |
| 14:50-15:25 | **KN-06:** Materials for Single-atom Catalysis Based on Nanostructured Ceria: Density-functional Modelling | **Konstantin M. Neyman** |
| 15:25-15:50 | **IT-06:** Role of Single Oxygen Vacancy in Catalytic Conversion of CO2 | **Qingfeng Ge** |
| **15:50-16:10** | **Coffee Break & Poster Session** |
| 16:10-16:45 | **KN-07:** Dynamic Single-Atom Catalysis (DSAC): Insights from AIMD Simulations | **Jun Li** |
| 16:45-17:20 | **KN-08:** First-Principles Study of Hydrogen Production on ZnO Supported Single-atom Catalysts | **Weixue Li** |
| 17:20-17:55 | **KN-09:** Generating Active Sites for Olefin Metathesis by Grafting Methyl-trioxo-rhenium on Alumina: A view from DFT calculations | **Philippe Sautet** |
| **19:00** | **Banquet** |

**July 02 (Saturday)**

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| **Time** | **Chair: Andy (Xueliang) Sun & Gareth S. Parkinson** |
| 08:30-09:20 | **PL-05:** Alkane Activation by Modified Oxide Catalysts | **Horia Metiu** |
| 09:20-09:55 | **KN-10:** Single Atom Catalysis: An Atomic-Scale View | **Gareth S. Parkinson** |
| 09:55-10:20 | **IT-07:** Single-atom Catalyst Supported on Heteropoly Acids | **Ning Yan** |
| **10:20-10:40** | **Coffee Break & Poster Session** |
| 10:40-11:15 | **KN-11:** Size-Selected Clusters as Single-Site Catalysts and Electrocatalysts | **Stefan Vajda** |
| 11:15-11:40 | **IT-08:** Colloidal Au Single-atom Catalysts and Their Activities for Aerobic Glucose Oxidation | **Haijun Zhang** |
| 11:40-12:05 | **IT-09:** Heterogeneously Catalyzed Cross Coupling Reactions on Gold; Particles vs Atomic Dispersions | **Georgios Kyriakou** |
| 12:05-12:40 | **KN-12:** Design of Single Atom Catalysts Using Atomic Layer Deposition Technique for Fuel Cell Applications | **Andy (Xueliang) Sun** |
| **12:40** | **Lunch** |
| **Time** | **Chair: Jingyue Liu & Jun Li** |
| 14:00-14:35 | **KN-13:** Single Atom Alloys for Efficient and Cost-effective Catalysis | **E. Charles H. Sykes** |
| 14:35-15:10 | **KN-14:** Catalytic CO Oxidation on Au1 and Pt1 Doped Aluminum Oxide Clusters | **ShengGui He** |
| 15:10-15:35 | **IT-10:** Atomically Dispersed Silver Catalysts for Catalytic Oxidation | **Xingfu Tang** |
| **15:35-15:55** | **Coffee Break & Poster Session** |
| 15:55-16:45 | **PL-06:** Efficient Conversion of Methane to Chemicals over Isolated Single Fe Site | **Xinhe Bao** |
| 16:45-17:35 | **PL-07:** Metal Oxide-Like MOF Nodes: Oxide Clusters as Supports for Well-Defined Metal Complex Catalysts | **Bruce C. Gates** |
| 17:35-18:35 | Round Table & Closing Ceremony |
| **18:40** | **Dinner** |

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**主页**：http://www.taozhang.dicp.ac.cn/issac/index.html