

Warm-Up Workshop Program

Saturday, 16th November 2019

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| 07:00-08:00 | Registration |
| 08:00-08:10 | Welcome and Introduction Nanfeng Zheng, <i>Xiamen University, China</i> |
| 08:10-08:35 | WSK01 - The role of hydride in dinitrogen activation and conversion Ping Chen, <i>Dalian Institute of Chemical Physics, China</i> |
| 08:35-09:00 | WSK02 – Na-ion batteries: from fundamental research to industrial exploration Yongsheng Hu, <i>Chinese Academy of Sciences, China</i> |
| 09:00-09:20 | WI01 – Towards High-Performance Perovskite Solar Cells and Modules Jing Li, <i>Xiamen University, China</i> |
| 09:20-09:40 | WI02 – Emerging energy chemistry of li metal anode in safe batteries Qiang Zhang, <i>Tsinghua University, China</i> |
| 09:40-09:55 | WST01 – Novel energy storage devices based on multi-ion strategy Yongbing Tang, <i>Chinese Academy of Sciences, China</i> |
| 09:55-10:05 | WST02 – Emission from self trapped exciton: mechanism and materials Jiang Tang, <i>Huazhong University of Science and Technology, China</i> |
| 10:05-10:35 | Tea break |
| 10:35-11:00 | WSK03 – Electrocatalysts for carbon dioxide Electrochemical reduction reaction Minhua Shao, <i>The Hong Kong University of Science and Technology, Hong Kong</i> |
| 11:00-11:25 | WSK04 – Light management in monolithic perovskite/silicon tandem solar cells Xiaodan Zhang, <i>Nankai University, China</i> |
| 11:25-11:45 | WI03 – Defect chemistry of electrocatalysts Shuangyin Wang, <i>Hunan University, China</i> |
| 11:45-12:05 | WI04 – n-Type polymer semiconductors containing b←n unit and their photovoltaic applications Jun Liu, <i>Chinese Academy of Sciences, China</i> |
| 12:05-12:20 | WST03 – Two-Dimensional metal-organic layers for photo-driven catalysis Cheng Wang, <i>Xiamen University, China</i> |
| 12:20-12:35 | WST04 – Dopant-free hole-transport materials for perovskite solar cells Ze Yu, <i>Dalian University of Technology, China</i> |
| 12:35-14:00 | Lunch (Lunch box) |
| 14:00-14:25 | WSK05 – Material design for highly efficient organic solar cells Jianhui Hou, <i>Chinese Academy of Sciences, China</i> |
| 14:25-14:50 | WSK06 – One dimensional nanomaterials for emerging energy storage Liqiang Mai, <i>Wuhan University of Technology, China</i> |

- 14:50-15:10** **WI05 – Design hybrid nanocomposites as electrode materials for high performance na-ion batteries**
Yan Yu, University of Science and Technology of China, China
- 15:10-15:30** **WI06 – Nanostructured electrocatalyst for CO₂ reduction**
Gengfeng Zheng, Fudan University, China
- 15:30-15:45** **WST05 – A Solid Electrolyte Liquid Lithium (SELL) battery**
Hui Wu, Tsinghua University, China
- 15:45-16:00** **WST06 – Catalyst performance of single-atom sites and interfacial sites of nanocatalyst**
Botao Qiao, Chinese Academy of Sciences, China
- 16:00-16:30** **Tea break**
- 16:30-16:55** **WSK07 – Mesopores-abundant M-N/C based oxygen electro-catalysts**
Yanglong Hou, Peking University, China
- 16:55-17:15** **WI07 – Solution-processed solar cells based on PbS and perovskite QDs**
Wanli Ma, Soochow University, China
- 17:15-17:35** **WI08 – Interplay of MOFs and metal nanoparticles for enhanced catalysis**
Hai-Long Jiang, University of Science and Technology of China, China
- 17:35-17:55** **WI09 – Strain engineering of materials for energy electrocatalysis**
Shaojun Guo, Peking University, China
- 17:55-18:10** **WST07 – Insight on thermal runaway of lithium ion batteries**
Li Wang, Tsinghua University, China
- 18:10-19:00** **WST08 - Factor controlling open-circuit voltage losses in efficient and stable organic solar cells**
Jie Min, Wuhan University, China