

| 大会日程/Program                                                        |                                                                                                                                             |                          |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 2022 年 7 月 29 日-30 日/ 29 <sup>th</sup> -30 <sup>th</sup> July, 2022 |                                                                                                                                             |                          |
| 10:00-22:00                                                         | 会议注册/Registration                                                                                                                           | 酒店一楼大厅<br>Reception Hall |
| 2022 年 7 月 30 日/ 30 <sup>th</sup> July, 2022                        |                                                                                                                                             |                          |
| 开幕式/Opening Ceremony                                                |                                                                                                                                             |                          |
| 地点：二楼现代厅/Address: Xiandai Grand Ballroom                            |                                                                                                                                             |                          |
| 主持人：阳军亮 / Chair: Prof. Junliang Yang                                |                                                                                                                                             |                          |
| 08:30-09:00                                                         | 开幕致词/Welcome Speech                                                                                                                         |                          |
| 09:00-09:15                                                         | 照相/Photograph                                                                                                                               |                          |
| 大会报告/Plenary Lecture                                                |                                                                                                                                             |                          |
| 地点：二楼现代厅/Address: Xiandai Grand Ballroom                            |                                                                                                                                             |                          |
| 主持人：胡文平 / Chair: Prof. Wenping Hu                                   |                                                                                                                                             |                          |
| 09:15-09:45                                                         | High-Performance Molecular Materials and Devices<br>Yunqi Liu, Institute of Chemistry, Chinese Academy of Sciences, China<br>刘云圻，中国科学院化学研究所 |                          |
| 09:45-10:15                                                         | Precursor Method for Solution Processable Organic Semiconductors<br>Yuguang Ma, South China University of Technology, China<br>马於光，华南理工大学   |                          |
| 10:15-10:30                                                         | 茶歇/Coffee Break                                                                                                                             |                          |
| 主持人：张浩力 / Chair: Prof. Haoli Zhang                                  |                                                                                                                                             |                          |
| 10:30-11:00                                                         | Electronic Skins for Monitoring Health Conditions<br>Takao Someya, The University of Tokyo, Japan                                           |                          |
| 11:00-11:30                                                         | Printed Organic Field-Effect Transistors and Circuits<br>Wenping Hu, Tianjin University, China<br>胡文平，天津大学                                  |                          |
| 11:30-12:00                                                         | Inkjet Printing Light Emitting Display<br>Junbiao Peng, South China University of Technology, China<br>彭俊彪，华南理工大学                           |                          |
| 12:00-14:00                                                         | 午餐与墙报展示/Lunch and Poster Presentation                                                                                                       |                          |

|                                                                                                                   |                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>2022 年 7 月 31 日下午/31<sup>st</sup> July, 2022, Afternoon</b><br><b>地点：二楼现代厅/Address: Xiandai Grand Ballroom</b> |                                                                                                          |
| 主持人：阳军亮 / Chair: Prof. Junliang Yang                                                                              |                                                                                                          |
| 14:00-15:00                                                                                                       | <b>OFET &amp; ICFPOE 发展论坛</b><br><b>OFET &amp; ICFPOE Development Forum</b>                              |
| 15:00-15:20                                                                                                       | 茶歇/Coffee Break                                                                                          |
| <b>大会报告/Plenary Lecture</b>                                                                                       |                                                                                                          |
| 主持人：陈义旺 / Chair: Prof. Yiwang Chen                                                                                |                                                                                                          |
| 15:20-15:50                                                                                                       | <b>Materials for the Future</b><br>Konstantin Novoselov, National University of Singapore, Singapore     |
| 15:50-16:20                                                                                                       | <b>未来产业：柔性电子——厚植根部技术，打造中国碳谷</b><br>Wei Huang, Northwestern Polytechnical University, China<br>黄 维，西北工业大学 |
| 16:20-16:50                                                                                                       | <b>分子聚集体的发光与输运理论</b><br>Zhigang Shuai, Tsinghua University, China<br>帅志刚，清华大学                            |
| 16:50-17:10                                                                                                       | <b>墙报颁奖及闭幕式/Poster Award and Closing Ceremony</b>                                                        |
| 18:00-19:30                                                                                                       | 晚 餐/Dinner                                                                                               |

## 第一分会场 (Session 1)

**地点：二楼天心厅/Address: Tianxin Hall**

|                                                               |                                                                                                                                                                               |                 |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>2022 年 7 月 30 日下午/30<sup>th</sup> Jul. 2022 Afternoon</b>  |                                                                                                                                                                               |                 |
| 主持人：黄辉 教授；谢志元 教授<br>Chair: Prof. Hui Huang; Prof. Zhiyuan Xie |                                                                                                                                                                               |                 |
| 14:00-14:20                                                   | <b>Flexible Polymer Solar Cells with Printed Transparent Electrode and Active layers</b><br>Zhiyuan Xie, Changchun Institute of Applied Chemistry, CAS, China<br>谢志元，中科院长春应化所 | Keynote Lecture |
| 14:20-14:35                                                   | <b>Fully Printable Flexible Organic Solar Cells</b><br>Yinhua Zhou, Huazhong University of Science and Technology, China<br>周印华，华中科技大学                                        | Invited Lecture |

|                                                                             |                                                                                                                                                                                                                       |                    |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 14:35-14:50                                                                 | <b>Perovskite/Organic Integrate (Tandem) Solar Cells</b><br>Zhan'ao Tan, Beijing University of Chemical Technology, China<br>谭占鳌，北京化工大学                                                                               | Invited<br>Lecture |
| 14:50-15:05                                                                 | <b>High-performance Narrow Bandgap Donor Materials and the Multi-dimensional Morphology in Organic Solar Cells</b><br>Ke Gao, Shandong University, China<br>高 珂，山东大学                                                  | Invited<br>Lecture |
| 15:05-15:25                                                                 | <b>非共价构象锁的理论、表征与应用研究</b><br>Hui Huang, University of Chinese Academy Sciences, China<br>黄 辉，中国科学院大学                                                                                                                   | Keynote<br>Lecture |
| 15:25-15:40                                                                 | <b>界面设计提升有机太阳能电池性能</b><br>Yao Liu,Beijing University of Chemical Technology, China<br>刘 瑶，北京化工大学                                                                                                                      | Invited<br>Lecture |
| 15:40-15:55                                                                 | <b>柔性印刷电子装备的开发与应用</b><br>Sichao Tong, Hunan NanoUp Electronics Technology Co., Ltd<br>童思超，湖南纳昇                                                                                                                        | Invited<br>Lecture |
| 15:55-16:07                                                                 | <b>Low-bandgap Nonfullerene Acceptor Based on Thieno[3,2-b]indole Core for Highly Efficient Binary And Ternary Organic Solar Cells</b><br>Jiamin Cao, Hunan University of Science and Technology, China<br>曹佳民，湖南科技大学 | Oral               |
| 16:07-16:20                                                                 | 茶歇/Coffee Break                                                                                                                                                                                                       |                    |
| 主持人：刘生忠 教授；陈义旺 教授<br>Chair: Prof. Shengzhong (Frank) Liu; Prof. Yiwang Chen |                                                                                                                                                                                                                       |                    |
| 16:20-16:40                                                                 | <b>Integration Design and Printing Process of Flexible Perovskite Solar Cells</b><br>Yiwang Chen, Nanchang University, China<br>陈义旺，南昌大学                                                                              | Keynote<br>Lecture |
| 16:40-16:55                                                                 | <b>Printable Mesoscopic Perovskite Solar Cells</b><br>Jian Zhang, Guilin University of Electrical Technology, China<br>张 坚，桂林电子科技大学                                                                                   | Invited<br>Lecture |
| 16:55-17:10                                                                 | <b>The Investigation of Perovskite Semiconductor Materials in Optoelectronic Devices</b><br>Jingjing Chang, Xidian University, China<br>常晶晶，西安电子科技大学                                                                  | Invited<br>Lecture |
| 17:10-17:30                                                                 | <b>Perovskite – A Wonder Material for High Efficiency Flexible Solar Cells</b><br>Shengzhong (Frank) Liu, Dalian Institute of Chemical Physics, CAS, China<br>刘生忠，中科院大连化物所                                            | Keynote<br>Lecture |
| 17:30-17:45                                                                 | <b>Some New Challenges for Perovskite Solar Cells Generated from Perovskite Solar Modules Under Field Tests</b><br>Yong Peng, Wuhan University of Technology, China<br>彭 勇，武汉理工大学                                     | Invited<br>Lecture |

|                                                                                   |                                                                                                                                                                                                                     |                 |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 17:45-18:00                                                                       | <b>Modulate the Work Function of Nb<sub>2</sub>CT<sub>x</sub> MXene as the Hole Transport Layer for Perovskite Solar Cells</b><br>Huangzhong Yu, South China University of Technology, China<br>於黄忠, 华南理工大学         | Invited Lecture |
| 18:00-18:12                                                                       | <b>Study on Oriented Growth of Quasi-Two-Dimensional Perovskite Crystals and <i>in-situ</i> Healing of the Burried Cavities and Defects in the Film</b><br>Jifei Wang, Central South University, China<br>王继飞, 中南大学 | Oral            |
| <b>18:30-20:30 围桌晚餐/Welcome Banquet</b>                                           |                                                                                                                                                                                                                     |                 |
| <b>2022 年 7 月 31 日上午/ 31<sup>st</sup> July 2022, Morning</b>                      |                                                                                                                                                                                                                     |                 |
| <b>主持人: 魏志祥 教授; 韩宏伟 教授</b><br><b>Chair: Prof. Zhixiang Wei; Prof. Hongwei Han</b> |                                                                                                                                                                                                                     |                 |
| 08:20-08:40                                                                       | <b>The Research Progress of Printable Mesoscopic Perovskite Solar Cells</b><br>Hongwei Han, Huazhong University of Science and Technology, China<br>韩宏伟, 华中科技大学                                                     | Keynote Lecture |
| 08:40-08:55                                                                       | <b>High efficiency inverted perovskite solar cell</b><br>Junfeng Fang, East China Normal University, China<br>方俊锋, 华东师范大学                                                                                           | Invited Lecture |
| 08:55-09:10                                                                       | <b>Ultra-Bendable High-Performance Perovskite Solar Cells Based on Rarely Active SnO<sub>2</sub> Planes</b><br>Yingguo Yang, Shanghai Institute of Applied Physics, CAS, China<br>杨迎国, 中科院上海高等研究院                   | Invited Lecture |
| 09:10-09:30                                                                       | <b>Morphology Optimization and Large Area Printed Organic Solar Cells</b><br>Zhixiang Wei, National center for nanoscience and technology, CAS, China<br>魏志祥, 国家纳米科学中心                                              | Keynote Lecture |
| 09:30-09:45                                                                       | <b>Fabrication of Large-area Perovskite Solar Cells</b><br>Fuzhi Huang, Wuhan University of Technology, China<br>黄福志, 武汉理工大学                                                                                        | Invited Lecture |
| 09:45-10:00                                                                       | <b>Evaporation for High Efficiency Stable Perovskite Solar Cells</b><br>Chenyi Yi, Tsinghua University, China<br>易陈谊, 清华大学                                                                                          | Invited Lecture |
| 10:00-10:12                                                                       | <b>Theoretical Study on Molecular Packing Morphology and Charge Transfer Mechanism of Organic Solar Cells based on PM6:Y6</b><br>Wanqiang Liu, Hunan University of Science and Technology, China<br>刘万强, 湖南科技大学     | Oral            |
| 10:12-10:25                                                                       | 茶歇/Coffee Break                                                                                                                                                                                                     |                 |

|                                                                             |                                                                                                                                                                            |                 |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <p>主持人: 邹应萍 教授; 侯剑辉 教授<br/>Chair: Prof. Yingping Zou; Prof. Jianhui Hou</p> |                                                                                                                                                                            |                 |
| 10:25-10:45                                                                 | <b>Highly Efficient Tandem Organic Photovoltaic Cells</b><br>Jianhui Hou, Institute of Chemistry, CAS, China<br>侯剑辉, 中科院化学所                                                | Keynote Lecture |
| 10:45-11:00                                                                 | <b>Balancing the Efficiency, Stability, and Cost Potential for Organic Solar Cells via a New Figure of Merit</b><br>Jie Min, Wuhan University, China<br>闵 杰, 武汉大学          | Invited Lecture |
| 11:00-11:15                                                                 | <b>Transparent Organic Photovoltaics with Average Visible Transmission exceeding 80%</b><br>Dianyi Liu, Westlake University, China<br>柳佃义, 西湖大学                            | Invited Lecture |
| 11:15-11:35                                                                 | <b>A-DA'D-A Type Acceptor Based Organic Solar Cells</b><br>Yingping Zou, Central South University, China<br>邹应萍, 中南大学                                                      | Keynote Lecture |
| 11:35-11:50                                                                 | <b>Efficient and Mechanically Robust Ultraflexible Organic Solar Cells Based on Mixed Acceptors</b><br>Wenchao Huang, Wuhan University of Technology, China<br>黄文超, 武汉理工大学 | Invited Lecture |
| 11:50-12:05                                                                 | <b>Interface Engineering in Printed Flexible Organics Solar Cells</b><br>Qun Luo, Suzhou Institute of Nano-Tech and Nano-Bionics, CSA, China<br>骆 群, 中科院苏州纳米所              | Invited Lecture |
| 12:05-12:17                                                                 | <b>Silver Nanowire-based High-efficiency Flexible Organic Solar Cells</b><br>Yanna Sun, Shandong University, China<br>孙延娜, 山东大学                                            | Oral            |
| 12:20-14:00                                                                 | 午餐与墙报展示/Lunch and Poster Presentation                                                                                                                                      |                 |

## 第二分会场 (Session 2)

地点: 二楼橘洲厅/Address: Juzhou Hall

|                                                                          |                                                                                                       |                 |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------|
| 2022 年 7 月 30 日下午/ 30 <sup>th</sup> July, 2022, Afternoon                |                                                                                                       |                 |
| <p>主持人: 王建浦 教授; 马东阁 教授<br/>Chair: Prof. Jianpu Wang; Prof. Dongge Ma</p> |                                                                                                       |                 |
| 14:00-14:20                                                              | <b>热激子与高效 OLEDs</b><br>Dongge Ma, South China University of Technology, China<br>马东阁, 华南理工大学          | Keynote Lecture |
| 14:20-14:35                                                              | <b>晶态薄膜有机发光二极管</b><br>Feng Zhu, Changchun Institute of Applied Chemistry, CAS, China<br>朱 峰, 中科院长春应化所 | Invited Lecture |

|                                                                   |                                                                                                                                                                                                     |                 |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 14:35-14:50                                                       | <b>Solution-Processable TADF Polymers for OLEDs</b><br>Zhongjie Ren, Beijing University of Chemical Technology, China<br>任忠杰, 北京化工大学                                                                | Invited Lecture |
| 14:50-15:05                                                       | <b>Synergistical Electroluminescent Manipulation for Efficient Blue Perovskite Light-Emitting Diodes</b><br>Jianxin Tang, Soochow University, China<br>唐建新, 苏州大学                                    | Invited Lecture |
| 15:05-15:25                                                       | <b>Perovskite LEDs for Lighting and Displays</b><br>Jianpu Wang, Nanjing Tech University, China<br>王建浦, 南京工业大学                                                                                      | Keynote Lecture |
| 15:25-15:40                                                       | <b>Perovskite Materials and the Related SPP Lasers</b><br>Zhijie Wang, Institute of Semiconductors, CAS, China<br>王智杰, 中科院半导体所                                                                      | Invited Lecture |
| 15:40-15:55                                                       | <b>Stretchable Optoelectronics Based on Organic Supramolecular Materials</b><br>Yixuan Wang,Tianjin University, China<br>王以轩, 天津大学                                                                  | Invited Lecture |
| 15:55-16:07                                                       | <b>Colloidal Quantum Well Light-Emitting Diodes</b><br>Baiquan Liu, Sun Yat-sen University, China<br>刘佰全, 中山大学                                                                                      | Oral            |
| 16:07-16:20                                                       | 茶歇/Coffee Break                                                                                                                                                                                     |                 |
| 主持人: 唐江 教授; 沈国震 教授<br>Chair: Prof. Jiang Tang; Prof. Guozhen Shen |                                                                                                                                                                                                     |                 |
| 16:20-16:40                                                       | <b>基于低维半导体的柔性光电探测器的研究</b><br>Guozhen Shen, Beijing Institute of Technology, China<br>沈国震, 北京理工大学                                                                                                    | Keynote Lecture |
| 16:40-16:55                                                       | <b>Perovskite Semiconductor Crystallization Control</b><br>Kui Zhao, Shaanxi Normal University, China<br>赵 奎, 陕西师范大学                                                                                | Invited Lecture |
| 16:55-17:10                                                       | <b>Yb<sup>3+</sup>掺杂的 CsPbX<sub>3</sub> 钙钛矿纳米晶材料的量子剪裁下转换发光的探索</b><br>Dingke Zhang, Chongqing Normal University, China<br>张丁可, 重庆师范大学                                                                | Invited Lecture |
| 17:10-17:30                                                       | <b>Solution Processed Quantum Dot Thin Films for Near-Infrared Imagers</b><br>Jiang Tang, Huazhong University of Science and Technology, China<br>唐 江, 华中科技大学                                       | Keynote Lecture |
| 17:30-17:45                                                       | <b>Flexible Organic Electrochromic Devices Having Multicolored, Low-Voltage-Driven and High Contrast Based on Oligomers</b><br>Ping Liu, South China University of Technology, China<br>刘 平, 华南理工大学 | Invited Lecture |
| 17:45-18:00                                                       | <b>Dynamic Modulation of Thermal Infrared Radiation by Reversible Metal Electrodeposition</b><br>Dongqing Liu, National University of Defense Technology, China<br>刘东青, 国防科技大学                      | Invited Lecture |

|                                                                |                                                                                                                                                                                |                 |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 18:00-18:12                                                    | <b>基于聚合物给体材料的有机晶体管光突触</b><br>Wen Li, Nanjing University of Posts and Telecommunications, China<br>李雯, 南京邮电大学                                                                   | Oral            |
| 18:30-20:30 围桌晚餐/Welcome Banquet                               |                                                                                                                                                                                |                 |
| 2022 年 7 月 31 日上午/ 31 <sup>st</sup> July, 2022, Morning        |                                                                                                                                                                                |                 |
| 主持人: 马伟 教授; 孟庆波 研究员<br>Chair: Prof. Wei Ma; Prof. Qingbo Meng  |                                                                                                                                                                                |                 |
| 08:20-08:40                                                    | <b>Opportunities for the Development of New Thin-Film Solar Cells</b><br>Qingbo Meng, Institute of Physics, CAS, China<br>孟庆波, 中科院物理所                                          | Keynote Lecture |
| 08:40-08:55                                                    | <b>The Crystalline Morphology Optimization for NFA Photovoltaics</b><br>Feng Liu, Shanghai Jiao Tong University, China<br>刘 烽, 上海交通大学                                          | Invited Lecture |
| 08:55-09:10                                                    | <b>Regulating Carrier Transport to Realize High Efficiency Perovskite Solar Cells</b><br>Mingzhen Liu, University of Electronic Science and Technology of China<br>刘明侦, 电子科技大学 | Invited Lecture |
| 09:10-09:30                                                    | <b>Printing Highly Efficient Organic Photovoltaics: From an In-situ View</b><br>Wei Ma, Xi'an Jiaotong University, China<br>马 伟, 西安交通大学                                        | Keynote Lecture |
| 09:30-09:45                                                    | <b>Proton Ionic Liquid Perovskite Solar Cells</b><br>Yonghua Chen, Nanjing Tech University, China<br>陈永华, 南京工业大学                                                               | Invited Lecture |
| 09:45-10:00                                                    | <b>大面积印刷钙钛矿薄膜与厚膜: 区别与挑战</b><br>Yehao Deng, Chongqing University, China<br>邓业浩, 重庆大学                                                                                            | Invited Lecture |
| 10:00-10:12                                                    | <b>Small Molecule N-type Materials for High-performance Organic Photovoltaic Devices</b><br>Yamin Zhang, Lanzhou University, China<br>张雅敏, 兰州大学                                | Oral            |
| 10:12-10:25                                                    | 茶歇/Coffee Break                                                                                                                                                                |                 |
| 主持人: 谭海仁 教授; 葛子义 研究员<br>Chair: Prof. Hairen Tan; Prof. Ziyi Ge |                                                                                                                                                                                |                 |
| 10:25-10:45                                                    | <b>Highly Efficient Organic Solar Cells</b><br>Ziyi Ge, Ningbo Institute of Materials Technology & Engineering, CAS, China<br>葛子义, 中科院宁波材料所                                    | Keynote Lecture |
| 10:45-11:00                                                    | <b>High-Performance All-Polymer Solar Cells: Materials and Devices</b><br>Huiliang Sun, Southern University of Science and Technology, China<br>孙会靓, 南方科技大学                    | Invited Lecture |

|             |                                                                                                                                                                  |                 |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 11:00-11:15 | <b>有机重金属配合物光伏材料与器件</b><br>Youtian Tao, Nanjing Tech University, China<br>陶友田, 南京工业大学                                                                             | Invited Lecture |
| 11:15-11:30 | <b>Efficient and Scalable All-perovskite Tandem Solar Cells</b><br>Hairen Tan, Nanjing University, China<br>谭海仁, 南京大学                                            | Invited Lecture |
| 11:30-11:45 | <b>Exploration of Printable Photovoltaic Materials and Devices</b><br>Yaowen Li, Soochow University, China<br>李耀文, 苏州大学                                          | Invited Lecture |
| 11:45-12:00 | <b>介孔碳基钙钛矿太阳能电池的低温化制备与效率提升探讨</b><br>Conghua Zhou, Central South University, China<br>周聪华, 中南大学                                                                   | Invited Lecture |
| 12:00-12:12 | <b>Over 18% Ternary Polymer Solar Cells enabled by a Terpolymer as the Third Component</b><br>Wenhong Peng, Hunan Institute of Engineering, China<br>彭文红, 湖南工程学院 | Oral            |
| 12:20-14:00 | <b>午餐与墙报展示/Lunch and Poster Presentation</b>                                                                                                                     |                 |

### 第三分会场 (Session 3)

**地点: 二楼潇湘厅/Address: Xiaoxiang Hall**

| <b>2022 年 7 月 30 日下午/30<sup>th</sup> July, 2022, Afternoon</b>    |                                                                                                                                                                    |                 |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 主持人: 蒋琛 教授; 吴伟 教授<br><b>Chair: Prof. Chen Jiang; Prof. Wei Wu</b> |                                                                                                                                                                    |                 |
| 14:00-14:20                                                       | <b>Liquid Metal Flexible Printed Electronics: Materials, Devices and Applications</b><br>Jing Liu, Tsinghua University, China<br>刘 静, 清华大学                         | Keynote Lecture |
| 14:20-14:35                                                       | <b>Fully-printed Flexible Electronic Devices for Smart Packaging</b><br>Wei Wu, Wuhan University, China<br>吴 伟, 武汉大学                                               | Invited Lecture |
| 14:35-14:50                                                       | <b>Flexible Printed Carbon-based Electronics and Their Applications</b><br>Jianwen Zhao, Suzhou Institute of Nanotech and Nanobionics, CAS, China<br>赵建文, 中科院苏州纳米所 | Invited Lecture |
| 14:50-15:05                                                       | <b>全印刷制备柔性低驱动有机薄膜器件</b><br>Xuying Liu, Zhengzhou University, China<br>刘旭影, 郑州大学                                                                                    | Invited Lecture |
| 15:05-15:25                                                       | <b>柔性印刷电子的机遇与应用</b><br>Jun Wei, Harbin Institute of Technology (SZ), China<br>魏 军, 哈尔滨工业大学 (深圳)                                                                    | Keynote Lecture |

|                                                                      |                                                                                                                                                                    |                 |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 15:25-15:40                                                          | <b>All-Inkjet-Printed Organic Thin-Film Transistor and Amplifier for Low-Power High-Gain Wearables</b><br>Chen Jiang, Tsinghua University, China<br>蒋 琛, 清华大学      | Invited Lecture |
| 15:40-15:55                                                          | <b>Flexible and Wearable Photovoltaics via Printing Manufacture</b><br>Xiaotian Hu, Nanchang University, China<br>胡笑添, 南昌大学                                        | Invited Lecture |
| 15:55-16:10                                                          | <b>先进的柔性混合电子制备及封装技术</b><br>Wentang Hao, YixinTech-Professional Supplier of Flexible Printing Electronics<br>郝文堂, 溢鑫科创                                              | Invited Lecture |
| 16:10-16:20                                                          | 茶歇/Coffee Break                                                                                                                                                    |                 |
| 主持人: 黄永安 教授; 宋延林 研究员<br>Chair: Prof. Yongan Huang; Prof. Yanlin Song |                                                                                                                                                                    |                 |
| 16:20-16:40                                                          | <b>纳米绿色印刷光电器件</b><br>Yanlin Song, Institute of Chemistry, CAS, China<br>宋延林, 中科院化学所                                                                                | Keynote Lecture |
| 16:40-16:55                                                          | <b>RF Powered Flexible Hybrid Integration Systems for Internet-of-Everything Connectivity</b><br>Chuanfei Guo, Shanghai Jiao Tong University, China<br>郭小军, 上海交通大学 | Invited Lecture |
| 16:55-17:10                                                          | <b>Memristive Two-dimensional Materials for In-memory Computing</b><br>Linfeng Sun, Beijing Institute of Technology, China<br>孙林锋, 北京理工大学                          | Invited Lecture |
| 17:10-17:30                                                          | <b>柔性光电器件电流体喷印制造</b><br>Yongan Huang, Huazhong University of Science and Technology, China<br>黄永安, 华中科技大学                                                          | Keynote Lecture |
| 17:30-17:45                                                          | <b>Flexible and Printed Human-Machine Interacting Sensors</b><br>Yanchao Mao, Zhengzhou University, China<br>毛彦超, 郑州大学                                             | Invited Lecture |
| 17:45-18:00                                                          | <b>Ultrasensitivity Organic Semiconductor Gas Sensor: Strategy and mechanism</b><br>Lizhen Huang, Soochow University, China<br>黄丽珍, 苏州大学                           | Invited Lecture |
| 18:00-18:15                                                          | <b>Roll-to-Roll Gravure Printed NFC QR-Code Label to Prevent Counterfeits for Intelligent Packaging</b><br>Junfeng Sun, Huzhou University, China<br>孙俊峰, 湖州师范学院    | Invited Lecture |
| 18:30-20:30 围桌晚餐/Welcome Banquet                                     |                                                                                                                                                                    |                 |

| 2022 年 7 月 31 日上午/31 <sup>st</sup> July 2022, Morning         |                                                                                                                                                                                                                                |                 |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 主持人: 张琰 研究员; 林媛 教授<br>Chair: Prof. Ting Zhang; Prof. Yuan Lin |                                                                                                                                                                                                                                |                 |
| 08:20-08:40                                                   | <b>Applications of Flexible Thin-film Devices in Bioelectronics</b><br>Yuan Lin, University of Electronic Science and Technology of China, China<br>林媛, 电子科技大学                                                                 | Keynote Lecture |
| 08:40-08:55                                                   | <b>Preparation of High Comprehensive Performance Polyimide Films with Ultralow Coefficients of Expansion and Excellent Optical Properties</b><br>Guoli Tu, Huazhong University of Science and Technology, China<br>屠国力, 华中科技大学 | Invited Lecture |
| 08:55-09:10                                                   | <b>Flexible, Triboelectric, Self-powered Sensors and Electroluminescent Devices</b><br>Xin Wang, Henan University, China<br>王新, 河南大学                                                                                           | Invited Lecture |
| 09:10-09:30                                                   | <b>Flexible Sensing Electronics: From Lab to Fab</b><br>Ting Zhang, Suzhou Institute of Nanotech and Nano-bionics, CAS, China<br>张琰, 中科院苏州纳米所                                                                                  | Keynote Lecture |
| 09:30-09:45                                                   | <b>Research Advances on Light Transparent Electromagnetic Shielding Material and its Applications</b><br>Xianjun Huang, National University of Defense Technology, China<br>黄贤俊, 国防科技大学                                        | Invited Lecture |
| 09:45-10:00                                                   | <b>印刷柔性中小规模集成电路产业化平台</b><br>Weining Chen, Ningbo Yuanxin Electronics Co.,Ltd.<br>陈韦宁, 宁波圆芯电子有限公司                                                                                                                               | Invited Lecture |
| 10:00-10:12                                                   | <b>Two-dimensional <math>\beta</math>-In<sub>2</sub>Se<sub>3</sub> based Flexible Strain Sensor with High Sensitivity Towards Potential Multifunctionality</b><br>Yuan Tian, Hunan University, China<br>田园, 湖南大学               | Oral            |
| 10:12-10:25                                                   | 茶歇/Coffee Break                                                                                                                                                                                                                |                 |
|                                                               | 主持人: 张婕 教授; 向勇 教授<br>Chair: Prof. Jie Zhang; Prof. Yong Xiang                                                                                                                                                                  |                 |
| 10:25-10:45                                                   | <b>柔性多物理场传感与发电耦合集成器件的设计、实现与应用</b><br>Yong Xiang, University of Electronic Science and Technology of China<br>向勇, 电子科技大学                                                                                                        | Keynote Lecture |
| 10:45-11:00                                                   | <b>A Monochloro Copper Phthalocyanine Memristor with High-Temperature Resilience for Electronic Synapse Applications</b><br>Weishu Liu, Southern University of Science and Technology, China<br>刘玮书, 南方科技大学                    | Invited Lecture |
| 11:00-11:15                                                   | <b>Electrostatic Interaction Assembled Transparent Piezoelectrets for Epidermal and Implantable Electronics</b><br>Bin Hu, Huazhong University of Science and Technology, China<br>胡彬, 华中科技大学                                  | Invited Lecture |

|             |                                                                                                                                                                     |                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 11:15-11:35 | <b>Printed Sensor Technologies</b><br>Jie Zhang, Jiangnan University, China<br>张 婕, 江南大学                                                                            | Keynote Lecture |
| 11:35-11:50 | <b>Flexible Piezocomposite for Piezoelectric Sensing and Energy Harvesting</b><br>Yan Zhang, Central South University, China<br>张 妍, 中南大学                           | Invited Lecture |
| 11:50-12:05 | <b>微纳图案电喷制备技术与应用</b><br>Zhoulong Xu, Guangdong Sygole Intelligent Technology Co.,Ltd<br>徐洲龙, 广东思谷智能技术有限公司                                                           | Invited Lecture |
| 12:05-12:17 | <b>Facile Synthesis of High Conductive Ag/CQDs/Graphene Composites for Conductive Ink</b><br>Wen Yu, Harbin Institute of Technology (SZ), China<br>喻 文, 哈尔滨工业大学(深圳) | Oral            |
| 12:20-14:00 | <b>午餐与墙报展示/Lunch and Poster Presentation</b>                                                                                                                        |                 |

## 第四分会场 (Session 4)

**地点: 二楼会议室 6 /Address: Meeting Room 6**

| <b>2022 年 7 月 30 日下午/30th July 2022, Afternoon</b>                         |                                                                                                                                                          |                 |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 主持人: 汤庆鑫 教授; 狄重安 研究员<br><b>Chair: Prof. Qingxin Tang; Prof. Chongan Di</b> |                                                                                                                                                          |                 |
| 14:00-14:20                                                                | <b>基于有机场效应晶体管的感知功能器件</b><br>Chongan Di, Institute of Chemistry, CAS, China<br>狄重安, 中科院化学所                                                                | Keynote Lecture |
| 14:20-14:35                                                                | <b>High-Performance Full-Photolithographic Top-Contact Conformable 双重自对准技术制备无寄生电容有机晶体管</b><br>Lei Zhang, Nanjing University, China<br>张 磊, 南京大学          | Invited Lecture |
| 14:35-14:50                                                                | <b>Vertical Organic Thin-Film Transistors and Light-Emitting Transistors</b><br>Zhongbin Wu, Northwestern Polytechnical University, China<br>吴忠彬, 西北工业大学 | Invited Lecture |
| 14:50-15:05                                                                | <b>可低电压擦写的、高迁移率柔性有机晶体管非易失性存储器</b><br>Wei Wang, Jilin University, China<br>王 伟, 吉林大学                                                                      | Invited Lecture |
| 15:05-15:20                                                                | <b>Organic Transistors for Soft Electronics</b><br>Qingxin Tang, Northeast Normal University, China<br>汤庆鑫, 东北师范大学                                       | Invited Lecture |

|                                                                   |                                                                                                                                                                                               |                 |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 15:20-15:35                                                       | <b>二维有机半导体晶体的注入特性研究</b><br>Boyu Peng, Zhejiang University, China<br>彭博宇, 浙江大学                                                                                                                 | Invited Lecture |
| 15:35-15:50                                                       | <b>Universal TFT Backplane and Image Sensors</b><br>Linrun Feng, Hangzhou LinkZill Technology Co., Ltd<br>冯林润, 杭州领擎科技有限公司                                                                     | Invited Lecture |
| 15:50-16:02                                                       | <b>超灵敏、低功耗有机光电晶体管的设计及其仿生暗视觉应用</b><br>Wei Deng, Soochow University, China<br>邓 巍, 苏州大学                                                                                                         | Oral            |
| 16:02-16:20                                                       | 茶歇/Coffee Break                                                                                                                                                                               |                 |
| 主持人: 郭旭岗 教授; 范智勇 教授<br>Chair: Prof. Xugang Guo; Prof. Zhiyong Fan |                                                                                                                                                                                               |                 |
| 16:20-16:40                                                       | <b>Perovskite Nanowire and Quantum Wire Array-based Flexible Memristors with Optical Programmability</b><br>Zhiyong Fan, Hong Kong University of Science and Technology, China<br>范智勇, 香港科技大学 | Keynote Lecture |
| 16:40-16:55                                                       | <b>Efficient Doping of Organic Semiconductors for High-Performance Devices</b><br>Yuanyuan Hu, Hunan University, China<br>胡袁源, 湖南大学                                                           | Invited Lecture |
| 16:55-17:10                                                       | <b>少层有机半导体 FET 的 IV 特性: 物理模型与测量模拟</b><br>Chuan Liu, Sun Yat-sen University, China<br>刘 川, 中山大学                                                                                                | Invited Lecture |
| 17:10-17:25                                                       | <b>Imide-Functionalized Polymers for High-Performance n-Type Organic Transistors and Thermoelectrics</b><br>Xugang Guo, Southern University of Science and Technology, China<br>郭旭岗, 南方科技大学   | Invited Lecture |
| 17:25-17:45                                                       | <b>Molecular Engineering of 2D Sn-Based Hybrid Perovskites for High-Performance Field-Effect Transistors</b><br>Yao Gao, Huazhong University of Science and Technology, China<br>高 垚, 华中科技大学  | Invited Lecture |
| 17:45-18:00                                                       | <b>稳定的单线态双自由基场效应晶体管</b><br>Zhe Sun, Tianjin University, China<br>孙 哲, 天津大学杨 辉                                                                                                                 | Invited Lecture |
| 18:00-18:15                                                       | <b>高迁移率可拉伸有机场效应晶体管器件</b><br>Zhe Sun, Tianjin University, China<br>杨 辉, 天津大学                                                                                                                   | Invited Lecture |
| 18:30-20:00 围桌晚餐/Welcome Banquet                                  |                                                                                                                                                                                               |                 |

| 2022 年 7 月 31 日上午/31 <sup>st</sup> July 2022, Morning        |                                                                                                                                                                                                    |                 |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 主持人：廖蕾 教授；许建斌 教授<br>Chair: Prof. Lei Liao; Prof. Jianbin Xu  |                                                                                                                                                                                                    |                 |
| 08:20-08:40                                                  | <b>Electronic and Optoelectronic Properties of Selected Organic Semicondcutors in Two-Dimensional Limits on Substrates</b><br>Jianbin Xu, The Chinese University of Hong Kong, China<br>许建斌，香港中文大学 | Keynote Lecture |
| 08:40-08:55                                                  | <b>Optoelectronic Thin-Film Transistors based on compound semiconductors</b><br>Hongtao Cao, Ningbo Institute of Materials Technology & Engineering, CAS, China<br>曹鸿涛，中科院宁波材料所                    | Invited Lecture |
| 08:55-09:10                                                  | <b>有机晶体管人工突触研究</b><br>Jia Sun, Central South University, China<br>孙 佳，中南大学                                                                                                                         | Invited Lecture |
| 09:10-09:30                                                  | <b>The optoelectronic devices based on two-dimensional semiconductors</b><br>Lei Liao, Hunan University, China<br>廖 蕾，湖南大学                                                                         | Keynote Lecture |
| 09:30-09:45                                                  | <b>High-Performance Oxide Semiconductor Transistors by Atomic Layer Deposition</b><br>Mengwei Si, Shanghai Jiao Tong University, China<br>司梦维，上海交通大学                                               | Invited Lecture |
| 09:45-10:00                                                  | <b>超高性能二维有机电路</b><br>Daowei He, Nanjing University, China<br>何道伟，南京大学                                                                                                                              | Invited Lecture |
| 10:00-10:15                                                  | <b>低维有机半导体单晶光电器件</b><br>Fangxu Yang, Tianjin University, China<br>杨方旭，天津大学                                                                                                                         | Invited Lecture |
| 10:12-10:25                                                  | 茶歇/Coffee Break                                                                                                                                                                                    |                 |
| 主持人：仪明东 教授；万青 教授<br>Chair: Prof. Mingdong Yi; Prof. Qing Wan |                                                                                                                                                                                                    |                 |
| 10:25-10:45                                                  | <b>Flexible Oxide-based Neuromorphic Transistors</b><br>Qing Wan, Nanjing University, China<br>万 青，南京大学                                                                                            | Keynote Lecture |
| 10:45-11:00                                                  | <b>Triboelectric Potential Driven FETs for Interactive Neuromorphic Synaptic Devices and Systems</b><br>Qijun Sun, Beijing Institute of Nanoenergy and Nanosystems, CAS, China<br>孙其君，北京纳米能源所      | Invited Lecture |
| 11:00-11:15                                                  | <b>Synaptic Electronic Devices based on Multi-Dimensional Materials</b><br>Wentao Xu, Nankai University, China<br>徐文涛，南开大学                                                                         | Invited Lecture |

|             |                                                                                                                                                                                                                   |                 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 11:15-11:30 | <b>A Monochloro Copper Phthalocyanine Memristor with High-Temperature Resilience for Electronic Synapse Applications</b><br>Mingdong Yi, Nanjing University of Posts and Telecommunications, China<br>仪明东, 南京邮电大学 | Invited Lecture |
| 11:30-11:45 | <b>Toward Neuromorphic Sensorimotor Devices and Systems</b><br>Changjin Wan, Nanjing University, China<br>万昌锦, 南京大学                                                                                               | Invited Lecture |
| 11:45-12:00 | <b>基于柔性垂直晶体管的类脑神经形态研究</b><br>Jie Jiang, Central South University, China<br>蒋 杰, 中南大学                                                                                                                              | Invited Lecture |
| 12:00-12:12 | <b>Bio-inspired Synaptic Transistor and Its Application in Neuromorphic Computing</b><br>Chun Zhao, Xi'an Jiaotong-liverpool University, China<br>赵 春, 西交利物浦大学                                                    | Oral            |
| 12:20-14:00 | <b>午餐与墙报展示/Lunch and Poster Presentation</b>                                                                                                                                                                      |                 |

## 第五分会场 (Session 5)

**地点: 二楼会议室 10AB /Address: Meeting Room 6**

| <b>2022 年 7 月 30 日下午/ 30<sup>th</sup> July, 2022, Afternoon</b>                  |                                                                                                                                               |                 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>主持人: 魏大程 教授; 耿延候 教授</b><br><b>Chair: Prof. Dacheng Wei; Prof. Yanhou Geng</b> |                                                                                                                                               |                 |
| 14:00-14:20                                                                      | <b>High Mobility Conjugated Polymers Prepared by Direct Arylation Polycondensation</b><br>Yanhou Geng, Tianjin University, China<br>耿延候, 天津大学 | Keynote Lecture |
| 14:20-14:35                                                                      | <b>Two-Dimensional Molecular Crystals</b><br>Rongjin Li, Tianjin University, China<br>李荣金, 天津大学                                               | Invited Lecture |
| 14:35-14:50                                                                      | <b>Design and Applications of Open-Shell Conjugated Polymers</b><br>Ting Lei, Peking University, China<br>雷 霆, 北京大学                           | Invited Lecture |
| 14:50-15:05                                                                      | <b>有机半导体材料的晶体工程</b><br>Yonggang Zhen, Beijing University of Chemical Technology, China<br>甄永刚, 北京化工大学                                         | Invited Lecture |
| 15:05-15:20                                                                      | <b>用于全光刻有机电子学的半导体光刻胶</b><br>Dacheng Wei, Fudan University, China<br>魏大程, 复旦大学                                                                 | Invited Lecture |
| 15:20-15:35                                                                      | <b>含酞式单元共轭聚合物的设计与合成</b><br>Yunfeng Deng, Tianjin University, China<br>邓云峰, 天津大学                                                               | Invited Lecture |

|                                                                 |                                                                                                                                                                                        |                 |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 15:35-15:50                                                     | 芳香二酮衍生的有机/聚合物电子传输材料<br>Huajie Chen, Xiangtan University, China<br>陈华杰，湘潭大学                                                                                                             | Invited Lecture |
| 15:50-16:02                                                     | 基于稠环吸电子单体的高性能聚合物给体材料<br>Qinghe Wu, Shantou University, China<br>武庆贺，汕头大学                                                                                                               | Oral            |
| 16:02-16:20                                                     | 茶歇/Coffee Break                                                                                                                                                                        |                 |
| 主持人：李立强 教授；张浩力 教授<br>Chair: Prof. Liqiang Li; Prof. Haoli Zhang |                                                                                                                                                                                        |                 |
| 16:20-16:40                                                     | 基于氮杂稠环的有机半导体材料的设计与合成<br>Haoli Zhang, Lanzhou University, China<br>张浩力，兰州大学                                                                                                             | Keynote Lecture |
| 16:40-16:55                                                     | Large Area Patterning of Organic Functional Materials<br>Yuchen Wu, Technical Institute of Physics and Chemistry, CAS, China<br>吴雨辰，中科院理化所                                             | Invited Lecture |
| 16:55-17:10                                                     | High-Performance Devices and System Integration Based on Organic Molecular Crystals<br>Yifan Yao, Hunan university, China<br>姚奕帆，湖南大学                                                  | Invited Lecture |
| 17:10-17:25                                                     | Highly Stable Organic Field-Effect Semiconductor Materials and transistors<br>Liqiang Li, Tianjin University, China<br>李立强，天津大学                                                        | Invited Lecture |
| 17:25-17:40                                                     | 有机半导体分子组装与传感功能研究<br>Fengjiao Zhang, University of Chinese Academy of Sciences, China<br>张凤娇，中国科学院大学                                                                                    | Invited Lecture |
| 17:40-17:52                                                     | 高分辨率有机单晶阵列的制备及应用<br>Hong Wang, Sun Yat-sen University, China<br>汪 宏，中山大学                                                                                                               | Oral            |
| 17:52-18:04                                                     | The Crystallization Mechanism Of D-A Conjugated Polymers: Diffusion and Conformational Transition Theory<br>Xinxu Cao, Hunan University of Science and Technology, China<br>曹新秀，湖南科技大学 | Oral            |
| 18:30-20:30 围桌晚餐/Welcome Banquet                                |                                                                                                                                                                                        |                 |
| 2022 年 7 月 31 日上午/ 31 <sup>st</sup> July, 2021, Morning         |                                                                                                                                                                                        |                 |
| 主持人：揭建胜 教授；裴坚 教授<br>Chair: Prof. Jiansheng Jie; Prof. Jian Pei  |                                                                                                                                                                                        |                 |

|                                                                 |                                                                                                                                                                                           |                 |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 08:20-08:40                                                     | <b>Controlling Morphology and Microstructure of Conjugated Polymers via Solution-State Aggregation</b><br>Jian Pei, Peking University, China<br>裴 坚, 北京大学                                 | Keynote Lecture |
| 08:40-08:55                                                     | <b>Monolayer Molecular Crystal Optoelectronic Materials and Devices</b><br>Lang Jiang, Institute of Chemistry, CAS, China<br>江 浪, 中科院化学所                                                  | Invited Lecture |
| 08:55-09:10                                                     | <b>手性 <math>\pi</math>-共轭分子</b><br>Wei Jiang, Tsinghua University, China<br>姜 玮, 清华大学                                                                                                     | Invited Lecture |
| 09:10-09:25                                                     | <b>有机微纳单晶大面积有序外延生长及其高性能场效应晶体管</b><br>Jiansheng Jie, Soochow University, China<br>揭建胜, 苏州大学                                                                                                | Invited Lecture |
| 09:25-09:40                                                     | <b>激发波长依赖荧光分子的设计及其光物理过程研究</b><br>Yujian Zhang, Zhejiang Normal University, China<br>张玉建, 浙江师范大学                                                                                           | Invited Lecture |
| 09:40-09:55                                                     | <b>光电子墨水材料及其在喷墨制造光电子器件领域的应用</b><br>Xingye Zhang, Dahua Broadteko Intelligent Technology Co., Ltd<br>张兴业, 北京大华博科智能科技有限公司                                                                   | Invited Lecture |
| 09:55-10:07                                                     | <b>The Green Synthetic Methods for Organic Semiconductors</b><br>Qinqin Shi, University of Chinese Academy of Sciences, China<br>史钦钦, 中国科学院大学                                             | Oral            |
| 10:12-10:25                                                     | 茶歇/Coffee Break                                                                                                                                                                           |                 |
| 主持人: 赵岩 教授; 董焕丽 研究员<br>Chair: Prof. Yan Zhao; Prof. Huanli Dong |                                                                                                                                                                                           |                 |
| 10:25-10:45                                                     | <b>Solution-Processable Organic/Polymer Optoelectronic Materials and Devices</b><br>Huanli Dong, Institute of Chemistry, CAS, China<br>董焕丽, 中科院化学所                                        | Keynote Lecture |
| 10:45-11:00                                                     | <b>从柔性到可拉伸的聚合物半导体材料与光电器件</b><br>Yunlong Guo, Institute of Chemistry, CAS, China<br>郭云龙, 中国科学院化学所                                                                                          | Invited Lecture |
| 11:00-11:15                                                     | <b>Stretchable Polymer Semiconductors via Siloxane Side Chain Engineering</b><br>Longzhen Qiu, Hefei University of Technology, China<br>邱龙臻, 合肥工业大学                                       | Invited Lecture |
| 11:15-11:30                                                     | <b>聚合物半导体聚集态结构与可拉伸器件研究</b><br>Yan Zhao, Fudan University, China<br>赵 岩, 复旦大学                                                                                                              | Invited Lecture |
| 11:30-12:45                                                     | <b>Stretchable Organic Electrochemical Transistors with Breath-Figured Honeycomb Microstructure</b><br>Wei Huang, University of Electronic Science and Technology of China<br>黄 伟, 电子科技大学 | Invited Lecture |

|             |                                                                                                     |      |
|-------------|-----------------------------------------------------------------------------------------------------|------|
| 11:45-11:57 | 金属表面化学—规整的掺杂石墨烯纳米带的合成和性能研究<br>Xunshan Liu, Zhejiang Sci-Tech University, China<br>刘勋山, 浙江理工大学       | Oral |
| 11:57-12:09 | 氰基化 n 型高分子的构筑及性能研究<br>Kui Feng, Southern University of Science and Technology, China<br>冯 奎, 南方科技大学 | Oral |
| 12:20-14:00 | 午餐与墙报展示/Lunch and Poster Presentation                                                               |      |

## 第六分会场 (Session 6)

地点: 二楼会议室 5 /Address: Meeting Room 5

| 2022 年 7 月 30 日下午/ 30 <sup>th</sup> July, 2022, Afternoon     |                                                                                                                  |                 |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------|
| 主持人: 胡鉴勇 教授; 于贵 研究员<br>Chair: Prof. Jianyong Hu; Prof. Gui Yu |                                                                                                                  |                 |
| 14:00-14:20                                                   | 二维 COF 材料及性能研究<br>Gui Yu, Institute of Chemistry, CAS, China<br>于 贵, 中科院化学所                                      | Keynote Lecture |
| 14:20-14:35                                                   | 二维共轭高分子材料与器件<br>Long Chen, Jilin University, China<br>陈 龙, 吉林大学                                                  | Invited Lecture |
| 14:35-14:50                                                   | 新型偶氮光开关分子的设计合成及应用<br>Tao Li, Shanghai Jiao Tong University, China<br>李 涛, 上海交通大学                                 | Invited Lecture |
| 14:50-15:05                                                   | 含硼分子碳: 精准合成与动态功能<br>Chuandong Dou, Jilin University, China<br>窦传冬, 吉林大学                                          | Invited Lecture |
| 15:05-15:20                                                   | 二酰亚胺类有机半导体材料: 从分子设计到器件性能<br>Jianyong Hu, Shaanxi Normal University, China<br>胡鉴勇, 陕西师范大学                         | Invited Lecture |
| 15:20-15:35                                                   | Organic Cocrystals and Their Photoelectrical Properties<br>Xiaotao Zhang, Tianjin University, China<br>张小涛, 天津大学 | Invited Lecture |
| 15:35-15:47                                                   | 非金属有机分子催化材料的设计与催化活性中心调控<br>Xiaojing Long, Qingdao University, China<br>龙晓静, 青岛大学                                 | Oral            |
| 15:47-15:59                                                   | Lasing from Organic Micro-Helix through Solution Process<br>Chunlin Sun, Lanzhou University, China<br>孙春霖, 兰州大学  | Oral            |
| 16:59-16:20                                                   | 茶歇/Coffee Break                                                                                                  |                 |

|                                                                           |                                                                                                                                                                                                                                    |                 |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <p>主持人: 张吉东 研究员; 孟鸿 教授<br/>Chair: Prof. Jidong Zhang; Prof. Hong Meng</p> |                                                                                                                                                                                                                                    |                 |
| 16:20-16:40                                                               | <p><b>Asymmetrically-Enhanced Coplanar-Electrode Electroluminescence for Information Encryption and Ultrahigh Stretchable Displays</b></p> <p>Hong Meng, Peking University ShenZhen Graduate School, China<br/>孟 鸿, 北京大学深圳研究生院</p> | Keynote Lecture |
| 16:40-16:55                                                               | <p><b>有机聚合物和钙钛矿薄膜相变的时空特性: 何时何处何组分发生何种相变? 多光谱联用方法和仪器</b></p> <p>Guanghao Lu, Xi'an Jiaotong University, China<br/>鲁广昊, 西安交通大学</p>                                                                                                   | Invited Lecture |
| 16:55-17:10                                                               | <p><b>Frontier Exploration of Topologically Nono-sized Materials and Their <math>\pi</math>-Magnetism with Radicaloid Characters</b></p> <p>Zegbing Zeng, Hunan University, China<br/>曾泽兵, 湖南大学</p>                                | Invited Lecture |
| 17:10-17:25                                                               | <p><b>基于多毛细管微焦点光源的实验室 2DGIWAXS 的研制及其在有机光电材料研究中的应用</b></p> <p>Jidong Zhang, Changchun Institute of Applied Chemistry, CAS, China<br/>张吉东, 中科院长春应化所</p>                                                                              | Invited Lecture |
| 17:25-17:40                                                               | <p><b>Band-Like Charge Transport in Small-Molecule Thin Film toward High-Performance Organic Phototransistors</b></p> <p>Deyang Ji, Tianjin University, China<br/>纪德洋, 天津大学</p>                                                    | Invited Lecture |
| 17:40-17:55                                                               | <p><b>Combining Polaronic and Radical Charge Transport to Achieve Long-Range High Electrical Conductivity</b></p> <p>Tim Leydecker, University of Electronic Science and Technology of China<br/>Tim Leydecker, 电子科技大学</p>         | Invited Lecture |
| 17:55-18:10                                                               | <p><b>有机热电转换过程的输运计算与性能预测</b></p> <p>Jia Zhu, The National Center for Nanoscience and Technology, China<br/>朱 嘉, 纳米科学中心</p>                                                                                                         | Invited Lecture |
| 18:20-20:30 围桌晚餐/Welcome Banquet                                          |                                                                                                                                                                                                                                    |                 |

## 第七分会场 (Session 7) Online

|                                                                     |                                                                                                                                                                                                           |                 |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2022 年 7 月 30 日下午/30 <sup>th</sup> July, 2022, Afternoon            |                                                                                                                                                                                                           |                 |
| <p>主持人: 严锋 教授; 缪谦 教授<br/>Chair: Prof. Feng Yan; Prof. Qian Miao</p> |                                                                                                                                                                                                           |                 |
| 14:00-14:20                                                         | <p><b>Organic Semiconductors of a Curved <math>\pi</math>-Backbone Enabling Multifunction OFETs and High Conductivity</b></p> <p>Qian Miao, The Chinese University of Hong Kong, China<br/>缪谦, 香港中文大学</p> | Keynote Lecture |

|                                                                                |                                                                                                                                                                                                                        |                 |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 14:20-14:40                                                                    | <b>A Way of Realizing Display of Things Through a Roll-to-Roll Gravure Printed TFT-Active Matrix</b><br>Gyoujin Cho, Sungkyunkwan University, Republic of Korea                                                        | Keynote Lecture |
| 14:40-14:55                                                                    | <b>Stretchable Organic Electrochemical Transistors</b><br>Shiming Zhang, The University of Hong Kong, China<br>张世明, 香港大学                                                                                               | Invited Lecture |
| 14:55-15:15                                                                    | <b>Organic Transistors for Flexible Sensors</b><br>Feng Yan, The Hong Kong Polytechnic University, China<br>严 锋, 香港理工大学                                                                                                | Keynote Lecture |
| 15:15-15:35                                                                    | <b>Permeable Stretchable Electronics Built on Liquid Metal Fiber Mat</b><br>Zijian Zheng, The Hong Kong Polytechnic University, China<br>郑子剑, 香港理工大学                                                                   | Keynote Lecture |
| 15:35-15:50                                                                    | <b>Effect of Charge Transfer Transition on the Photostability of Solution-Processed Lanthanide-doped Indium-oxide Thin-film Transistors</b><br>Linfeng Lan, South China University of Technology, China<br>兰林锋, 华南理工大学 | Invited Lecture |
| 15:50-16:05                                                                    | <b>面向感存算一体化的可重构有机突触晶体管</b><br>Haifeng Ling, Nanjing University of Posts and Telecommunications, China<br>凌海峰, 南京邮电大学                                                                                                   | Invited Lecture |
| 16:05-16:20                                                                    | 茶歇/Coffee Break                                                                                                                                                                                                        |                 |
| 主持人: 何颂贤 教授; Tawfique Hasan 教授<br>Chair: Prof. Johnny Ho; Prof. Tawfique Hasan |                                                                                                                                                                                                                        |                 |
| 16:20-16:40                                                                    | <b>2D,3D and 4D printing of electronics and optoelectronic devices</b><br>Shlomo Magdassi, The Hebrew University of Jerusalem, Israel                                                                                  | Keynote Lecture |
| 16:40-17:00                                                                    | <b>Printing 2D Crystals: From Inkjet to 100 m/min Flexo Printing</b><br>Tawfique Hasan, University of Cambridge, U.K.                                                                                                  | Keynote Lecture |
| 17:00-17:15                                                                    | <b>Printing Multilayer OLEDs based on Structure Design and Interface Manage</b><br>Dongyu Zhang, Suzhou Institute of Nano-tech and nano-bionics, CSA, China<br>张东煜, 中科院苏州纳米所                                           | Invited Lecture |
| 17:15-17:35                                                                    | <b>Lighting Fibers and Display Textiles</b><br>Huisheng Peng, Fudan University, China<br>彭慧胜, 复旦大学                                                                                                                     | Keynote Lecture |
| 17:35-17:55                                                                    | <b>Photoelectric Property, Mechanical Flexibility and Stability Enhancement of Quasi-2D Halide Perovskites</b><br>Johnny Ho, City University of Hong Kong, China<br>何颂贤, 香港城市大学                                        | Keynote Lecture |
| 17:55-18:10                                                                    | <b>Highly Scalable Manufacturing of Graphene-Based Wearable Electronics Textiles</b><br>Nazmul Karim, University of the West of England, U.K.                                                                          | Invited Lecture |

| 2022 年 7 月 31 日上午/31 <sup>st</sup> July, 2022, Morning          |                                                                                                                                                                                                          |                 |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 主持人: 史建武 教授; 姜辉 教授<br>Chair: Prof. Jianwu Shi; Prof. Hui Jiang  |                                                                                                                                                                                                          |                 |
| 08:20-08:40                                                     | <b>Designing New Non-Fullerene Acceptors for Low Cost and Highly Efficient Organic Solar Cells</b><br>Hongzheng Chen, Zhejiang University, China<br>陈红征, 浙江大学                                            | Keynote Lecture |
| 08:40-09:00                                                     | <b>Fused-Ring Electron Acceptors for Organic Photovoltaics</b><br>Xiaowei Zhan, Peking University, China<br>占肖卫, 北京大学                                                                                    | Keynote Lecture |
| 09:00-09:20                                                     | <b>有机半导体晶体的非共价键相互作用与性能调控</b><br>Hui Jiang, Tianjin University, China<br>姜 辉, 天津大学                                                                                                                        | Invited Lecture |
| 09:20-09:35                                                     | <b>All-Solution-Processed Micro/Nanowires with Electroplate Welding as Transparent Conducting Electrodes</b><br>Michael J. Naughton, Boston College, USA                                                 | Keynote Lecture |
| 09:35-09:50                                                     | <b>Solution Processible Organic Semiconductors Based on Asymmetrical DTT Derivatives</b><br>Jianwu Shi, Henan University, China<br>史建武, 河南大学                                                             | Invited Lecture |
| 09:50-10:05                                                     | <b>基于萘的有机 <math>\pi</math>-功能材料研究</b><br>Xike Gao, Shanghai Institute of Organic Chemistry, CAS, China<br>高希珂, 中科院上海有机化学研究所                                                                              | Invited Lecture |
| 10:05-10:17                                                     | <b>An Embedding 2D/3D Heterostructure Enables High-Performance FA-Alloyed Flexible Perovskite Solar Cells with Efficiency Over 20%</b><br>Zhen Wang, South China Normal University, China<br>王 祯, 华南师范大学 | Oral            |
| 10:17-10:25                                                     | 茶歇/Coffee Break                                                                                                                                                                                          |                 |
| 主持人: 胡劲松 研究员; 刘俊 研究员<br>Chair: Prof. Jin-Song Hu; Prof. Jun Liu |                                                                                                                                                                                                          |                 |
| 10:25-10:45                                                     | <b>Polymer Materials for Printable Optoelectronic Devices</b><br>Fei Huang, South China University of Technology, China<br>黄 飞, 华南理工大学                                                                   | Keynote Lecture |
| 10:45-11:05                                                     | <b>n-Type Fused-Ring Molecules Embedded with B<math>\leftarrow</math>N Units</b><br>Jun Liu, Changchun Institute of Applied Chemistry, CAS, China<br>刘 俊, 中科院长春应化所                                       | Keynote Lecture |
| 11:05-11:20                                                     | <b>新型硼氮杂稠环体系的合成与性质研究</b><br>Jieyu Wang, Peking University, China<br>王婕妤, 北京大学                                                                                                                            | Invited Lecture |
| 11:20-11:40                                                     | <b>Towards High-Efficiency and Stable Inorganic Perovskite Solar Cells</b><br>Jin-Song Hu, Institute of Chemistry, CAS, China<br>胡劲松, 中科院化学研究所                                                           | Keynote Lecture |

|             |                                                                                                                                                                     |                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 11:40-11:55 | <b>基于碗状共轭分子的光电功能分子设计合成</b><br>Xiangfeng Shao, Lanzhou University, China<br>邵向峰, 兰州大学                                                                                | Invited Lecture |
| 11:55-12:10 | <b>多尺度弯液面调控印刷制备高取向晶体薄膜与器件</b><br>Yali Qiao, Institute of Chemistry, CAS, China<br>乔雅丽, 中科院化学研究所                                                                     | Invited Lecture |
| 12:10-12:25 | <b>Molecular Orientation and Charge Transport for High-Mobility Conjugated Polymers</b><br>Mengmeng Li, Institute of Microelectronics, CAS, China<br>李蒙蒙, 中科院微电子研究所 | Invited Lecture |