

第五届“光电子学、材料与能源”国际研讨会

5TH INTERNATIONAL SYMPOSIUM ON OPTOELECTRONICS, MATERIALS AND ENERGY

(iSOME -2021)

暨南邮IAM建院  学术研讨会

SYMPOSIUM ON 15TH ANNIVERSARY OF THE ESTABLISHMENT OF INSTITUTE OF ADVANCED MATERIALS (IAM)

秩序册

时间： 2021.12.17~12.19

地点： 江苏·南京

会议组织

嘉宾/ FORUM GUESTS

大会主席团/CHAIRMEN



黄维院士 南京邮电大学/
南京工业大学/ 西北工业大学



刘小钢 新加坡国立大学



汪联辉 南京邮电大学

Wanlin GUO	Nanjing University of Aeronautics and Astronautics
Zijian GUO	Nanjing University
Ning GU	Southeast University
Hua ZHANG	City University of Hong Kong
Oliver GRAYDON	Nature Photonics
Xin LI	Nature Materials
Wenjie SUN	Nature Nanotechnology
Hongtao SUN	National Institute for Materials Science, Japan
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Fan ZHANG	Fudan University
Jianzhong DU	Tongji University
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Qingdong ZHENG	Nanjing University
Hui XU	Heilongjiang University
Qiushui CHEN	Fuzhou University

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陈骏	Secretary/Students	85866451

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张幸林	Deputy Secretary General	15295590923
杨阳(男)	Deputy Secretary General	18855301302

天气/weather:



-2 ~ 8 °C 多云转晴
December17 Registration



-1 ~ 7 °C 晴
December18 Opening Remarks
Presentation



0 ~ 12 °C 多云
December19 Closing Remarks

温馨提示/Warm Tips

- 会场内，请关闭手机或调至震动状态，感谢您的配合；
- 请保管好证件、笔记本电脑等贵重物品；
- 如遇特殊情况可寻找会务组工作人员，工作人员均佩戴绿色胸牌。

线上会场/Meeting on Line

- 腾讯会议（密码：123456）

NJUPT: <https://meeting.tencent.com/dm/davlyp5rtczg>

会议号: 840-3491-1797

NJTECH: <https://meeting.tencent.com/dm/d2h4ONWVtBpV>

会议号: 573-307-512

- BILIBILI直播

NJUPT: <https://live.bilibili.com/23970603> NJTECH: <http://live.bilibili.com/23966422>

- ZOOM

会议号: 983 616 3942（密码: 123456）

<https://us02web.zoom.us/j/9836163942?pwd=cVdRc2kvMENZS3AzNOR1Uk55Zi9RUT09>



iSOME2021-NJUPT



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议程安排

日期	时间	事项&地点
12月17日 (星期五)	10:00 - 24:00	会议报到注册 (苏宁诺富特酒店大堂签到台)
	14:00-17:30	青年人才论坛 (材料学科楼413大会议室)
12月18日 (星期六)	8:30 - 9:00	开幕式(中华B厅, B1层) 合影
	9:00 - 10:20	特邀报告(中华B厅, B1层)
	10:20 - 10:35	茶歇
	10:35 - 12:05	主会场(中华B厅, B1层)
	12:05 - 13:30	自助午餐(品坊西餐厅, 1层)
	13:30 - 18:30 14:00 - 18:25	南邮会场(中华B厅, B1层) 南工会场(莱茵河厅, B1层)
	19:00	晚宴(中华A厅, B1层)
12月19日 (星期日)	9:00 - 12:10	南邮会场(中华B厅, B1层) 南工会场(中华A厅, B1层)
	12:10 - 13:30	自助午餐(品坊西餐厅, 1层)
	13:30 - 15:05 14:00 - 17:10	南邮会场(中华B厅, B1层) 南工会场(中华A厅, B1层)

Saturday Dec 18, 2021

8:30-9:00	开幕式（主持人：汪联辉教授）		
	黄维院士致开幕辞		
	合影		
Session 1: 特邀报告			
主持人: 顾宁 院士			
时间	姓名	单位	报告题目
9:00-09:40	郭万林	南京航空航天大学	水伏科学技术的进展
9:40-10:20	郭子建	南京大学	金属化学生物学
10:20-10:35	茶歇		
主持人: 郭万林 院士			
10:35-11:00	郭雪峰 (online)	北京大学	Opportunities and Challenges in Single-Molecule Sciences
11:00-11:25	张凡 (online)	复旦大学	NIR-II Fluorescent Probes for in vivo Multiplexed Biodetection
11:25-11:40	陈永华	南京工业大学	离子液体钙钛矿光伏电池
11:40-12:05	Li Xin	Nature Materials 编辑	Inside Nature journals
12:05-13:30	午餐		

Session 2: 大会报告			
主持人: 于霆 教授			
13:30-13:55	杜建忠 (online)	同济大学	Polymer Vesicles for Delivery of Protein and Nucleic Acids
13:55-14:20	马骧 (online)	华东理工大学	组装诱导有机室温磷光
14:20-14:45	刘宏	济南大学	Regulation of Stem Cell Fate by Nanostructure Mediated Physical Signals
14:45-15:00	安众福	南京工业大学	Organic Ionic Materials with Efficient Room Temperature Phosphorescence
15:00-15:15	陶冶	南京邮电大学	Smart Organic Optoelectronic Materials and Devices
15:15-15:30	茶歇		
主持人: 刘宏 教授			
15:30-15:55	万相见 (online)	南开大学	High efficiency organic solar cells based on the A-D-A type molecules
15:55-16:20	余彦 (online)	中国科学技术大学	Advanced Sodium Ion Batteries
16:20-16:45	于霆	武汉大学	2D Semiconductor WS ₂ : preparation, characterization and applications in optoelectronics
16:45-17:00	杨震 (online)	福建师范大学	A hybrid semiconducting organosilica-based O ₂ nanoeconomizer for on-demand synergistic photothermally boosted radiotherapy
17:00-17:15	孙斌	南京邮电大学	High Performance Colloidal Quantum Dots Optoelectronic Devices
主持人: 刘小钢 教授			
17:15-17:40	Sun Hong-Tao (online)	日本国家材料科学研究所 (NIMS)	Theory-assisted development of emerging luminescent materials: several cases in tin perovskites and UVC persistent phosphors
17:40-18:05	高峰 (online)	瑞典林雪平大学	Minimizing voltage losses in organic solar cells with a low energy offset
18:05-18:35	Oliver Graydon (online)	Nature Photonics 主编	Trends in Scientific Publishing
19:00	晚宴		

Session 3: 大会报告

主持人: 赵强 教授

9:00-9:25	胡勇胜 (online)	中科院物理研究所	MWh钠离子电池储能系统示范应用
9:25-9:50	郭少军 (online)	北京大学	材料应变能源催化
9:50-10:10	唐卫华 (online)	厦门大学	吡咯并二噻吩构筑的有机能源材料与器件
10:10-10:25	马云	南京邮电大学	Stimuli-responsive materials for information recording and anti-counterfeiting applications
10:25-10:40	茶歇		

主持人: 赖文勇 教授

10:40-11:05	王连洲 (online)	澳大利亚昆士兰大学	Semiconductor Nanomaterials for Photoelectrochemical Energy Conversion
11:05-11:30	陆安慧 (online)	大连理工大学	Nanostructured Carbon Materials for Energy Storage
11:30-11:55	陶绪堂 (online)	山东大学	功能有机晶体生长方法研究
11:55-12:10	胡文博	西北工业大学	激发态与光学诊疗调控
12:10-13:30	午餐		

主持人: 解令海 教授

13:30-13:55	张华 (online)	香港城市大学	Phase Engineering of Nanomaterials (PEN) 纳米材料相工程
13:55-14:20	周鹏 (online)	复旦大学	The role of 2D materials in fusion with silicon lcs
14:20-14:35	徐凯臣 (online)	浙江大学	Hybrid Laser Manufacturing of Multifunctional Flexible Sensors and System Integration
14:35-14:50	林宗琼	西北工业大学	有机微纳半导体与离子驱动器件 (Organic Micro-/Nano- Semiconductors for Ion-driven Devices)
14:50-15:05	王婷	南京邮电大学	柔性生物传感及器件
15:05-15:20	闭幕式(主持人: 范曲立 教授)		

Session 1

主持人：西北工业大学 胡文博教授

序号	时间	报告人	报告题目
1	14:00	陈尚钰	Design of small-molecule-based nanoparticles to enhance NIR-II fluorescence for tumor bioimaging and therapy
2	14:15	戴叶能	NIR-II Excitation Phototheranostic Nanomedicine for Multimodal Imaging Guided Enhanced NIR-II Photothermal Therapy
3	14:30	修尉峻	Microenvironment modulation strategy for combating bacterial biofilm infections
4	14:45	牛人杰	DNA origami based assembly of plasmonic nanostructures with single-molecule surface enhanced Raman scattering

Session 2

主持人：南京信息工程大学 赖敏教授

5	15:05	龚元才	13.0% Efficient Kesterite Solar Cell with Low Open Circuit Voltage Deficit from DMSO Molecular Solution
6	15:20	解玲彬	WS ₂ moiré superlattices derived from mechanical flexibility for hydrogen evolution reaction
7	15:35	徐庆昊	A portable triboelectric spirometer for wireless pulmonary function monitoring
8	15:50	杨胜	3D wearable fabric-based micro-supercapacitors with ultra-high areal capacitance

Session 3

主持人：南京大学 胡伟教授

9	16:10	张景瑜	Stimuli-responsive Deep-blue Organic Ultralong Phosphorescence for Reversible Water-jet Anti-counterfeiting Printing
10	16:25	孟海星	Highly Emissive and Stable Five-Coordinated Manganese(II) Complex for X-Ray Imaging
11	16:40	王雪城	Manipulating electroluminescence behavior of iridium-bridged viologens through ligand engineering for information display and encryption
12	16:55	韦传新	Atomic-resolved hierarchical structure of elastic π -conjugated molecular crystal for flexible organic photonics



Organizers:

State Key Laboratory of Organic Electronics and Information Displays
Institute of Advanced Materials, NJUPT
Key Laboratory of Flexible Electronics (KLOFE), NanjingTech
Institute of Advanced Materials (IAM), Nanjing Tech University

Undertakers:

Jiangsu Synergetic Innovation Center for Organic Electronics and Information Displays
Jiangsu Joint Laboratory of Organic Electronics and Information Displays
Jiangsu Key Laboratory of Biosensing Materials and Technologies
School of Flexible Electronics (Future Technology), NJUPT
International Research Center of Flexible Electronics (CoFE), NanjingTech
Joint International Laboratory of Flexible Electronics (LoFE), NanjingTech

Co-Organizers:

Northwestern Polytechnic University
The Institute of Flexible Electronics (IFE, Future Technologies), Xiamen University
Fujian Normal University