



ICAFPM2025

PRELIMINARY PROGRAM of ICAFPM 2025

【Forum J】ICAFPM 2025 先进纤维材料与交叉系统国际论坛 International Forum on Advanced Fiber Materials & Cross-Disciplinary Systems

Topic: International Forum on Advanced Fiber Materials & Cross-Disciplinary Systems

Chairs: Antonio Facchetti, Lei Wei 魏磊, Xinge Yu 于欣格, Wei Ma 马伟, Yuchen Wu 吴雨辰, Meifang Zhu 朱美芳, Gang Wang 王刚, Zhigang Chen 陈志钢, Zhongjie Huang 黄中杰

Secretaries: Zijin Zhao 赵子进, Qian Ma 马倩, Yuwen Zhu 朱宇文

Nov. 1, 2025 Afternoon (下午)

J-1 Session Venue: Hall Mingzhu

Session A	Moderator: Zhongjie Huang 黄中杰			
Time	Opening remarks			
13:30-13:40	Yuanying Hu 胡元颖, Academician Meifang Zhu 朱美芳院士, Academician Seeram Ramakrishna, Yuchen Wu 吴雨辰			
Time	Type	Speaker	Title	Affiliation
13:40-13:50	Keynote	Gang Wang 王刚	Development report of ISAFM	Donghua University 东华大学
13:50-13:55	Group Photo			
13:55-14:15	Keynote	Qibing Pei 裴启兵	Electroactive polymer artificial muscles and wearable electromechanical devices	University of California, Los Angeles 加利福尼亚大学洛杉矶分校
14:15-14:35	Keynote	Yunlong Guo 郭云龙	Stretchable polymeric semiconductors and optoelectronics	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
14:35-14:55	Keynote	Lei Wei 魏磊	Thermally drawn advanced functional fibers for a human-centric digital society	Nanyang Technological University 南洋理工大学
14:55-15:15	Keynote	Henry Yi Li 李翼	Multiscale material AI driven digital product passports: Towards sustainability	University of Manchester 曼彻斯特大学
15:15-15:25	Coffee Break (茶歇)			
15:25-15:45	Keynote	Yuchen Wu 吴雨辰	Microfabrication and devices for optoelectronic functional materials	Jilin University 吉林大学

15:45-16:05	Keynote	Dirk Kuckling	Dually cross-linked stimuli-sensitive gels	Paderborn University 帕德博恩大学
16:05-16:25	Keynote	Xiangwu Zhang 张向武	Bridging materials and interfaces: Functional nanofibers in solid-state batteries	North Carolina State University 北卡罗来纳州立大学
16:25-16:45	Keynote	Runhua Fan 范润华	Metamaterials: Why is the dielectric constant of a material negative?	Shanghai Maritime University 上海海事大学
16:45-17:45	Round-table meeting			
Nov.1, 2025 Afternoon （下午）Materials Field Journal Development Forum （材料领域期刊发展论坛）				
J-2 Session Venue: Hall No. 9				
Session A	Moderator: Qingbao Guan 管清宝			
Time	Type	Speaker	Title	Affiliation
15:30-15:35	Welcome Speech			
15:35-15:50	Invited	Xin Li 李昕	<i>Nature Materials</i>	Springer Nature 施普林格•自然
15:50-16:05	Invited	Xi Wen 温茜	<i>Small Methods</i>	Wiley 威立
16:05-16:20	Invited	Chuhong Zhang 张楚虹	<i>SusMat</i>	Sichuan University 四川大学
16:20-16:35	Invited	Dong Luo 罗东	<i>Journal of Materials Science & Technology</i>	Institute of Metal Research, Chinese Academy of Sciences 中国科学院金属研究所
16:35-16:50	Invited	Yingjuan Huang 黄英娟	<i>Chinese Journal of Polymer Science,</i> <i>Acta Polymerica Sinica,</i>	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
16:50-17:05	Invited	Zhigang Chen 陈志钢	<i>Advanced Fiber Materials</i>	Donghua University 东华大学
17:05-18:00	Face to Face Communication			
Nov. 2, 2025 Morning （上午）				
J-1 Session Venue: Hall Mingzhu				
Session A	Moderator: Binghao Wang 王炳昊			
Time	Type	Speaker	Title	Affiliation

8:30-8:50	Keynote	Xinge Yu 于欣格	Skin interfaced electronics for healthcare and VR/AR	City University of Hong Kong 香港城市大学
8:50-9:10	Keynote	Biqiong Chen 陈碧琼	Towards a circular economy for elastomers	University of Liverpool 利物浦大学
9:10-9:30	Keynote	Rufan Zhang 张如范	High-performance carbon nanotube fibers	Tsinghua University 清华大学
9:30-9:45	Invited	Wei Qin 秦伟	Organic chiral nanofiber dependent spin effect	Shandong University 山东大学
9:45-10:00	Invited	Jiangtao Di 邸江涛	Artificial muscle fibers and target applications	Suzhou Institute of Nanotechnology and Nanobionics, Chinese Academy of Sciences 中国科学院苏州纳米技术与纳米仿生研究所
10:00-10:15	Invited	Donglin Pu 浦东林	Multi-dimensional direct-write lithography technology and application	Soochow University 苏州大学
10:15-10:25	Coffee Break (茶歇)			
Session B	Moderator: Jiangtao Di 邸江涛			
10:25-10:40	Keynote	An-Chang Shi 史安昌 (线上)	Self-assembly of block copolymer blends	McMaster University 麦克马斯特大学
10:40-10:55	Keynote	Jun Chen 陈俊 (线上)	Smart textiles for personalized health care	University of California, Los Angeles 加利福尼亚大学洛杉矶分校
10:55-11:10	Invited	Jiangang Feng 凤建岗	Self-assembly active nanophotonic devices	University of Science and Technology of China 中国科学技术大学
11:10-11:25	Invited	Binghao Wang 王炳昊	Flexible nanomesh-based sensor	Southeast University 东南大学
11:25-11:40	Invited	Zhengxu Cai 蔡政旭	Organic room temperature phosphorescence towards host-guest doping system	Beijing Institute of Technology 北京理工大学
11:40-11:55	Invited	Wenhan Cao 曹文翰	Flexible tactile sensing system towards embodied intelligence	Shanghai Tech University 上海科技大学
11:55-12:10	Invited	Weijing Bu 布伟静	The latest applications of microwave digestion in the field of materials	Shanghai Metash Instruments Co., Ltd. 上海元析仪器有限公司
Nov. 2, 2025 Morning (上午)				
J-2 Session Venue: Hall Yuegui 1				

Session A	Moderator: Fenghua Zhang 张风华			
Time	Type	Speaker	Title	Affiliation
8:30-8:50	Keynote	Zunfeng Liu 刘遵峰	The strength of fiber twist	Nankai University 南开大学
8:50-9:10	Keynote	Chuhong Zhang 张楚虹	3D Printing for energy storage and conversion: Customized processing towards high energy performances	Sichuan University 四川大学
9:10-9:30	Keynote	Zhigang Chen 陈志钢	Photothermal fabrics for solar-driven seawater desalination	Donghua University 东华大学
9:30-9:45	Invited	Xiaopeng Li 李小鹏	Anticorrosive crystalline metal oxide nanofibers	Donghua University 东华大学
9:45-10:00	Invited	Xuedong Wang 王雪东	A new paradigm for the development of near-infrared molecular photonic materials	Soochow University 苏州大学
10:00-10:15	Invited	Xiang Lu 卢翔	Radiation/phase-change synergistic thermoregulating fiber membrane and its thermal management properties	Huazhong University of Science and Technology 华中科技大学
10:15-10:25	Coffee Break (茶歇)			
Session B	Moderator: Xiang Lu 卢翔			
10:25-10:45	Keynote	Chuang Zhang 张闯	Magnetic assembly of molecular materials	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
10:45-11:05	Keynote	Xianfeng Wang 王先锋	Smart personal microclimate health management textiles	Donghua University 东华大学
11:05-11:20	Invited	Fenghua Zhang 张风华	Shape memory smart fibers, structures and applications	Harbin Institute of Technology 哈尔滨工业大学
11:20-11:35	Invited	Yang Wang 王洋	B←N functionalized cationic units-based n-type polymers for organic electrochemical transistors	Fudan University 复旦大学
11:35-11:50	Invited	Yi Zhao 赵奕	Green protein based sizes for sustainable and intelligent weaving	Donghua University 东华大学
11:50-12:05	Invited	Jun Qian 钱俊	Zhichu: A different kind of chinese manufacturing	Shanghai Zhichu Instrument Co., Ltd. 上海知楚仪器有限公司
12:05-12:20	Invited	Ruya Li 李儒雅	Precise monitoring and evaluation of human biomechanical signals based on flexible sensing technology	Beihang University 北京航空航天大学

12:20-12:35	Invited	Xudong Liu 刘旭东	Conformal printing capability based on aerosol jet on 3D and flexible substrates	Beijing Yunshang Intelligent Manufacturing Technology Co., Ltd. 北京云尚智能制造科技有限公司
Nov. 2, 2025 Afternoon (下午)				
Session A	Moderator: Jiemin Wang 王杰民			
13:30-13:45	Keynote	Changsheng Wu 吴昌盛 (线上)	Designing sustainable, comfortable, and durable electronic textiles with advanced architectures	National University of Singapore 新加坡国立大学
13:45-14:00	Keynote	Bhuvanesh Gupta (线上)	Functional designing of polymers for biomedical applications	University of Petroleum & Energy Studies 印度石油与能源研究大学
14:00-14:15	Invited	Fangxu Yang 杨方旭	Organic semiconductor single crystals for electromagnetic radiation detection and sensing	Tianjin University 天津大学
14:15-14:30	Invited	Hanfei Gao 高寒飞	Confined dewetting-induced ordered assembly of nanoparticles	Suzhou Institute for Advanced Research, University of Science and Technology of China 中国科学技术大学苏州高等研究院
14:30-14:45	Invited	Zhi Zhang 张志	Organic semiconducting fiber electronics	Peking University 北京大学
14:45-15:00	Invited	Shaohua Chen 陈少华	Macroscopic fibers and films of 2D nanomaterials for flexible electronics	Sun Yat-sen University 中山大学
15:00-15:15	Invited	Qinglin Jiang 蒋庆林	Organic magnetic semiconductors	South China University of Technology 华南理工大学
15:15-15:25	Coffee Break (茶歇)			
Session B	Moderator: Zijin Zhao 赵子进			
15:25-15:40	Keynote	Wei Gao 高伟 (线上)	Body-interfaced biosensors	California Institute of Technology 加利福尼亚理工学院
15:40-15:55	Keynote	Theo Hughes-Riley (线上)	Utilising yarns with embedded electronics to create wearable electronic textiles	Nottingham Trent University 诺丁汉特伦特大学
15:55-16:10	Invited	Yanshan Gao 高彦山	High-performance sustainable polyolefins from chain-end functionalized macromonomer building blocks	Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences 中国科学院上海有机化学研究所
16:10-16:25	Invited	Fan Zhao 赵帆	Flexible electronic devices for diagnosis and treatment: design and applications	Donghua University 东华大学
16:25-16:40	Invited	Jiemin Wang 王杰民	Hierarchically structured biomimic materials with multiscale coupling effects	Sichuan University 四川大学

16:40-16:55	Invited	Qiao Li 李乔	Continuous conductive yarns for textile circuits and devices	Donghua University 东华大学
16:55-17:10	Invited	Shijie Wang 王世杰	Organic electrochemical transistors-based neuromorphic hardware with integrated sensing-processing-memory	Xi'an Jiaotong University 西安交通大学
17:10-17:25	Invited	Ruidong Xu 徐瑞东	Flexible force-sensitive e-textile and multi-scenario health wearable applications	Shaanxi University of Technology 陕西理工大学
17:25-17:40	Invited	Yichuan Rui 芮一川	Buried interface modification for Pb/Sn-based perovskite solar cells	Shanghai University of Engineering Science 上海工程技术大学
17:40-17:55	Invited	Lulu Shang 尚路路	Basalt core-spun yarn technology and its protective fabrics	Wuhan Textile University 武汉纺织大学