

鄧好纖維
至美世界

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ICAFPM

ICAFPM2023

第十一屆先進纖維與聚合物材料國際會議

PROGRAM

會議手冊

State Key Laboratory for
Modification of Chemical Fibers
and Polymer Materials (SKLFPM)
Donghua University

College of Materials Science
and Engineering (CMSE)
Donghua University



SKLFPM
DONGHUA UNIVERSITY
纖維材料改性國家重點實驗室



2023年10月20-24日 上海
October 20-24, 2023 Shanghai



郅好纤维
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Wi-Fi Service

Public free Wi-Fi service (username: sofitel, no password) is provided to all participants in conference venue (Hotel Shanghai Sheshan Oriental-Handwritten Collection).

Please feel free to check live photos during conference. And know more about us by scanning QR codes as follows.



WELCOME MESSAGE



Prof. Meifang Zhu

朱美芳

Member of the Chinese Academy of Sciences
Fellow of The World Academy of Sciences (TWAS) for the advancement of science in developing countries

Chairperson of Organizing Committee of ICAFPM 2023
Director of State Key Laboratory for Modification of Chemical Fibers and Polymer Materials
Dean of College of Materials Science and Engineering, Donghua University, China
Editor-in-Chief of *Advanced Fiber Materials*

Dear guests,

It is my distinct pleasure to welcome you to the 11th International Conference on Advanced Fibers and Polymer Materials (ICAFPM 2023) at Donghua University, from October 20th to 24th, 2023 in Shanghai, China.

ICAFPM 2023 is hosted by State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM, DHU), and College of Materials Science and Engineering, Donghua University (CMSE, DHU), in close partnership with a variety of organizations, including Division of Fiber Materials and Composite Technology, Chinese Materials Research Society (FMCT, CMRS), Reinforcement Branch of China Composites Society, Nanocomposites Branch of China Composites Society, Innovation Base of Advanced Fabrication Technology of Fiber Materials, DHU, International Digital Health and Intelligent Material Innovation Alliance (IDHIMIA), Journal of Advanced Fiber Materials (Adv. Fiber Mater.), Alumni Association of College of Materials Science and Engineering, DHU.

Since its inception in 2002, ICAFPM aims to discuss the latest research and progress in fields related to advanced fiber and polymer materials, open up the frontier researches of fibers and polymers, and has become one of the world's largest academic conferences focusing on fiber-related fields. The theme of ICAFPM 2023 is: Better Fiber, Better World; a theme that resonates well with history and future. Fibers and polymers have played an indispensable part in the scientific and technological advances and will significantly shape our life and the world in the coming future. A number of plenary lectures, special sessions, forums, exhibitions, and poster sessions will be held on this theme and related sub-topics.

You won't want to miss the exciting talks in the following 17 sessions:

- A. High Performance Fibers and Composites
- B. Chemistry and Physics of Fiber and Polymeric Material
- C. Photoelectronic Fibers and Porous Polymers
- D. Smart Fibers and Wearable Technology
- E. Biomedical Fibers and Polymers
- F. Environmentally Friendly Fibers and Polymers
- G. Fibers and Polymers for Energy Applications
- H. Fibers and Devices for Information, Chips and AI Technology and Its Interdisciplinary Areas
- I. Hybrid Materials and Fiber Genetic Engineering
- J. Gelatinous Fibers and Intelligent Devices
- K. Electromagnetic Fibers and Multifunctional Composites
- L. Inorganic Fibers and Its Composites

WELCOME MESSAGE

- M. Development Forum of New Materials Modern Industry College
- N. Sustainable Development and Cooperation of Fiber Industry
- O. International Advanced Fiber Materials Innovation Forum
- P. Forum for Graduate Students
- Q. Materials Journal Development Forum

ICAFPM has become the premier gathering of domestic and international scientists who are dedicated to fiber and polymer research. I am thrilled that, this year, over 1600 researchers from around the world will showcase their cutting-edge research. They are from China, United States, United Kingdom, Germany, Canada, Australia, Netherlands, Singapore, Korea, and other countries. Some of them are Academicians of Chinese Academy of Sciences, National Academy of Engineering of the United States of America, Academician of the American Academy of Arts and Sciences, Academician of Australian Academy of Technical Sciences and Engineering, Academician of the Academy of Sciences of Developing Countries, and so on. Editors of Nature Materials, Nature Nanotechnology, Angewandte Chemie International Edition, Advanced Materials, Advanced Energy Materials, Advanced Functional Materials, Chemistry-An Asian Journal, Advanced Fiber Materials, Chinese Journal of Polymer Science, and Acta Polymerica Sinica will also share their insights. We believe that ICAFPM 2023 will provide an ideal platform for you to network with colleagues, discuss important research, and generate new ideas and opportunities for collaboration.

I am very grateful to each of you for participating and contributing to the success of this conference. I look forward to learning about your ongoing research and discoveries and wish everyone a successful and fruitful conference. Besides the conference activities, I hope you get to spend some time to explore and enjoy our beautiful campus, the Songjiang University Town and the Shanghai City.

Best Regards,
Prof. Meifang Zhu (朱美芳)



Meifang Zhu

ORGANIZATION

主办单位:

State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (Donghua University)
纤维材料改性国家重点实验室 (东华大学)
College of Materials Science and Engineering (CMSE), Donghua University
东华大学材料科学与工程学院

承办单位:

Innovation Base of Advanced Fabrication Technology of Fiber Materials, DHU
纤维材料先进制造技术与科学创新引智基地
International Advanced Fiber Materials Society (IAFMS)
国际先进纤维材料学会 (筹)
Shanghai Belt and Road Joint Laboratory of Advanced Fiber and Low-dimension Materials (Donghua University)
上海市先进纤维与低维材料一带一路国际联合实验室 (东华大学)
Division of Fiber Materials and Composite Technology, Chinese Materials Research Society (FMCT, CMRS)
中国材料研究学会纤维材料改性复合技术分会
Reinforcement Branch of China Composites Society
中国复合材料学会增强体分会
Nanocomposites Branch of China Composites Society
中国复合材料学会纳米复合材料分会
Center for Advanced Low-dimension Materials, Donghua University
东华大学先进低维材料中心
Center for Civil Aviation Composites, Donghua University
东华大学复合材料协同创新中心
Institute of Functional Materials, Donghua University
东华大学功能材料研究中心
Journal of Advanced Fiber Materials (Adv. Fiber Mater.)
《先进纤维材料 (英文)》
Journal of Donghua University (English Edition)
《东华大学学报 (英文版)》

协办单位:

Tuoren Medical Device Group Co., Ltd
驼人控股集团有限公司
Polymer Materials Working Group in Material Division of Teaching Steering Committee of Ministry of Education
教育部材料类专业教学指导委员会高分子材料工作组
Shanghai Consulting & Academic Activities Center for Academicians of Chinese Academy of Engineering
上海市中国工程院院士咨询与学术活动中心
The Key Laboratory of High-Performance Fibers and Product, Ministry of Education (B)
高性能纤维及制品教育部重点实验室 (B)
Engineering Research Center of Advanced Glass Manufacturing Technology, Ministry of Education
先进玻璃制造技术教育部工程研究中心
Shanghai Key Laboratory of Light Weight Structural Composite Materials
上海市轻质结构复合材料重点实验室
Key Laboratory of Hybrid Functional Materials of the Universities in Shanghai
功能杂化材料上海高校重点实验室
Key Laboratory of Smart Fiber Technologies and Products, China National Textile and Apparel Council
中国纺织工业联合会纺织行业智能纤维技术与制品重点实验室
Key Laboratory for Design and Preparation of New Polyester Fiber, China National Textile and Apparel Council
中国纺织工业联合会纺织行业新型聚酯纤维设计与制备重点实验室
Textile Industry Key Laboratory for Cellulose fibers, China National Textile and Apparel Council
中国纺织工业联合会纺织行业纤维素纤维重点实验室
Research Base of Fiber Microplastics Prevention and Control Science and Engineering, China Textile Engineering Society
中国纺织工程学会纤维微塑料防控科学与工程科研基地
Research Base of Textile Materials for Flexible Electronics and Biomedical Applications, China Textile Engineering Society
中国纺织工程学会柔性电子生物医用纺织材料科研基地
Jiangsu Engineering Laboratory of Novel Functional Polymeric Materials
江苏省新型高分子功能材料工程实验室
Key Laboratory of Textile Fiber and Products, Ministry of Education
武汉纺织大学纺织纤维及制品教育部重点实验室
Jiangsu Hongze Economic Development Zone
江苏省洪泽经济开发区管理委员会
Chemical and New Materials Technology Town Mayor Group of Huai'an city
淮安市化工和新材料科技镇长团

ORGANIZATION

You Xing Shark (Shanghai) Science And Technology Co., Ltd.

有行鲨鱼（上海）科技股份有限公司

CETE New Energy Technology Co., Ltd.

山西中电科新能源技术有限公司

Shanghai Highten Transmission Equipment Co., Ltd.

上海汉唐传动设备有限公司

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浙江嘉华特种尼龙有限公司

支持单位：

China Chemical Fiber Association

中国化学纤维工业协会

Polymer Materials Working Group in Material Division of Teaching Steering Committee of Ministry of Education

教育部材料类专业教学指导委员会高分子材料工作组

China Chemical Fiber Association

中国化学纤维工业协会

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Shanghai Xixing Laboratory Equipment Co., Ltd.

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2023 先进纤维与聚合物材料展览会 ICAFPM2023 Expo

主办单位：

State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (Donghua University)

纤维材料改性国家重点实验室（东华大学）

College of Materials Science and Engineering (CMSE), Donghua University

东华大学材料科学与工程学院

CAE Member and Expert Achievement Exhibition and Transformation Centre

中国工程院院士专家成果展示与转化中心

Shanghai Consulting & Academic Activities Center for Academicians of Chinese Academy of Engineering

上海市中国工程院院士咨询与学术活动中心

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Massachusetts Institute of Technology
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University of Science and Technology of China
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Chinese Academy of Sciences
Peking University
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Institute of Natural Fibres and Medicinal Plants

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Session A: High-Performance Fibers and Composites

Session Chairs:

Alan Kin-tak LAU, Liping Jiang, Muhuo Yu

Session B: Chemistry and Physics of Fiber and Polymeric Material

Session Chairs:

Jian Yong Jin, Wenbin Zhang, Shuguang Yang

Session C: Photoelectronic Fibers and Porous Polymers

Session Chairs:

Charl F J Faul, Yuanlong Shao, Yaozu Liao

Session D: Smart Fibers and Wearable Technology

Session Chairs:

Antonio Fachetti, Yan Zhao, Qiangqing Zhang, Hongzhi Wang

Session E: Biomedical Fibers and Polymers

Session Chairs:

Joao Rodrigues, Chuanliang Feng, Xiangyang Shi, Zhengwei You

Session F: Environmentally Friendly Fibers and Polymers

Session Chairs:

Juan P. Hinestroza, Yaopeng Zhang

ORGANIZING COMMITTEE

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Session Chairs:

Zaiping Guo, Xiqian Yu, Wei Luo

Session H: Fibers and Devices for Information, Chips and AI Technology and Its Interdisciplinary Areas

Session Chairs:

Wei Gao, Lei Wei, Huisheng Peng, Wei Yan

Session I: Hybrid Materials and Fiber Genetic Engineering

Session Chairs:

Pavlo Dral, Xiao He, Jin Wen, Yi Jiang

Session J: Gelatinous Fibers and Intelligent Devices

Session Chairs:

Luyi Sun, Ji Liu, Feng Yan

Session K: Electromagnetic Fibers and Multifunctional Composites

Session Chairs:

Junwei Gu, Lianjun Wang

Session L: Inorganic Fibers and Its Composites

Session Chairs:

Hong Li, Yuanzheng Yue, Qun Zu, Qingwei Wang

Session M: Development Forum of New Materials Modern Industry College

Session Chairs:

Jiande Liu, Ju Li, Lin Geng, Meifang Zhu, Jinghong Ma

Session N: Sustainable Development and Cooperation of the Fiber and Polymer Industry

Session Chairs:

Gang Sun, Jin Zhu, Yuping Wang, Peng Zuo, Huaping Wang

Session O: International Advanced Fiber Materials Innovation Forum

Session Chairs:

Henry Yi Li, Pengfei Li, Xiaofeng Tang, Gang Wang

Session P: Forum for Graduate Students

Session Chairs:

Charl F. J. Faul, Hao Yu, Yaozu Liao

Session Q: Materials Journal Development Forum

Session Chairs:

Meifang Zhu, Zhigang Chen

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Should you have any questions,
please feel free to contact us.

PROGRAM OVERVIEW

Oct. 20 2023	10:00-20:00	Registration (注册)	Handwritten Collection 1F (翰悦阁大堂)												
	16:00-18:00	Editorial Committee of Advanced Fiber Materials (编委会)	Paris Hall (巴黎厅)												
	17:30-19:30	Dinner (晚餐) 🍴	Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店主楼一楼西餐厅												
	19:30-21:00	Annual Meeting of International Advisory Committee (国际咨询委员会年度会议)	Paris Hall (巴黎厅)												
Oct. 21 2023	08:00-20:00	Registration (注册)	1F, Conference Center, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店会议中心一楼												
	Huanghe Hall 2F (二楼黄河厅)														
	08:30-08:50	Opening Ceremony (开幕式) 🎤													
	08:50-09:00	Advanced Fiber Materials Award Ceremony (期刊颁奖典礼) 🏆													
	09:00-09:20	QIAN Baojun Fiber Award Ceremony (钱宝钧纤维材料奖颁奖典礼) 🏆													
	09:20-09:50	Award Lecture (获奖人报告) 🎤													
	09:50-10:00	Group Photo 📷													
	10:00-11:00	Plenary Lecture 1/2 (大会报告) 🎤													
	11:00-11:10	Coffee Break (茶歇) ☕													
	11:10-12:10	Plenary Lecture 3/4 (大会报告) 🎤													
	12:10-13:00	Lunch (午餐) 🍴	Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店主楼一楼西餐厅												
	Venue	Huanghe Hall A 黄河厅A	Huanghe Hall B 黄河厅B	Huanghe Hall C 黄河厅C	Paris Hall 巴黎厅	Guangzhou Hall 广州厅	Shanghai Hall 上海厅	Cannes Hall 戛纳厅	Ceremony Hall 仪式厅	Beijing Hall 北京厅	Mediterranean Hall 地中海厅	Milan Hall 1 米兰厅1	Milan Hall 3 米兰厅3	Lily Hall 1 百合厅1	Lily Hall 3 百合厅3
	上午 Morning	Opening Ceremony			H	G					J	F	D	E	C
12:00-13:00	Lunch (午餐) 🍴 Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店主楼一楼西餐厅														
下午 Afternoon	O	H		N	L	K			B	I	J	F	D	E	C
18:30-20:30	Banquet (晚餐) 🍴 Huang He Hall, 2F, Conference Center, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店会议中心二楼黄河厅														
Oct. 22 2023	08:00-20:00	Registration (注册) 1F, Conference Center, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店会议中心一楼													
	上午 Morning	O	H		N	L	K	H		I	J	F	D	A	C
	12:00-13:00	Lunch (午餐) 🍴 Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店主楼一楼西餐厅													
	下午 Afternoon				N	N	K	B		M	J	C	D	E	A
	16:00-18:00				Q	Materials Journal Development Forum (材料期刊发展论坛)									
	17:30-18:30	Poster Presentation (墙报展讲) 📄 Lobby outside Milan Hall and Lily Hall Hotel Shanghai Sheshan Oriental Handwritten Collection 上海东方余山翰悦阁酒店米兰厅和百合厅外面大厅													
18:30-20:30	Dinner (晚餐) 🍴 Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店主楼一楼西餐厅														
Oct. 23 2023	08:00-13:00	Registration (注册) 1F, Conference Center, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店会议中心一楼													
	上午 Morning				H	G		B		I		C	D	E	P
	12:00-13:00	Lunch (午餐) 🍴 Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection 上海东方余山翰悦阁酒店主楼一楼西餐厅													
	下午 Afternoon				H	G				I		C		E	P
	13:30-16:40	Plenary Lecture 1/2/3/4/5/6 (大会报告) 🎤													
16:40-17:15	Closing Ceremony (闭幕式) 🎤 Huanghe Hall C (黄河厅C)														

PROGRAM OVERVIEW

SESSION

17 in total

A	高性能纤维与复合材料 High Performance Fibers and Composites
B	纤维和高分子材料的化学与物理 Chemistry and Physics of Fiber and Polymeric Material
C	光电功能纤维与多孔聚合物 Photoelectronic Fibers and Porous Polymers
D	智能纤维与可穿戴技术 Smart Fibers and Wearable Technology
E	生物医用纤维与聚合物 Biomedical Fibers and Polymers
F	环境友好纤维及聚合物 Environmentally Friendly Fibers and Polymers
G	能源用纤维与聚合物 Fibers and Polymers for Energy Applications
H	信息，芯片，AI技术用纤维与器件及其交叉领域 Fibers and Devices for Information, Chips and AI Technology and Its Interdisciplinary Areas
I	杂化材料与纤维基因工程 Hybrid Materials and Fiber Genetic Engineering
J	凝胶纤维与智能器件 Gelatinous Fibers and Intelligent Devices
K	电磁纤维与多功能复合材料 Electromagnetic Fibers and Multifunctional Composites
L	无机纤维与复合材料 Inorganic Fibers and Its Composites
M	新材料现代产业学院发展论坛 Development Forum of New Materials Modern Industry College
N	纤维及聚合物产业可持续发展合作论坛 Sustainable Development and Cooperation of Fiber Industry
O	国际先进纤维材料创新论坛 International Advanced Fiber Materials Innovation Forum
P	研究生论坛 Forum for Graduate Students
Q	材料期刊发展论坛 Materials Journal Development Forum

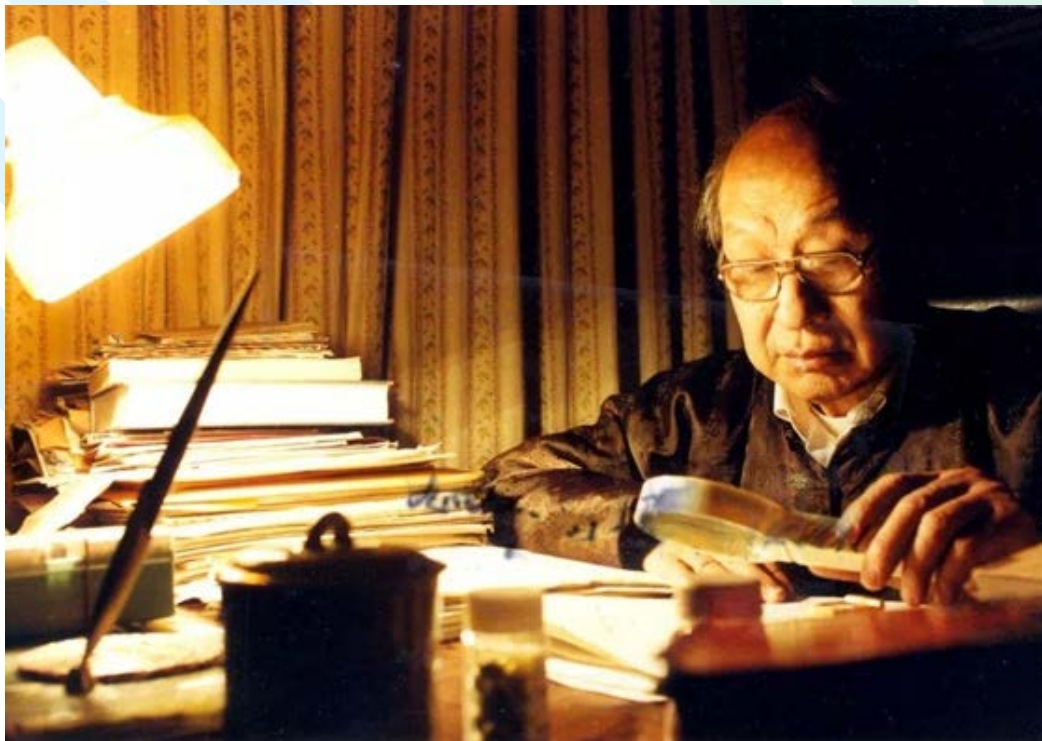
COFFEE BREAK TIME ☕

22nd/23rd Morning 10:00-10:45

21st/22nd/23rd Afternoon 15:15-16:00



QIAN BAOJUN FIBER AWARD



Prof. QIAN Baojun (1907-1996) was the founder of the research and education of fiber materials in China. He served as the president of East China Textile Institute (the predecessor of East China University), and made outstanding contributions in the field of fiber materials science. For memorizing Prof. QIAN Baojun, his students and successors around world decide to establish QIAN Baojun Fiber Award to recognize his contribution in Fiber Science and Technology. QIAN Baojun Foundation is in charge of selection of the award winners. Up to now, there are many companies in fiber and textile industry donating to QIAN Baojun Foundation for Fiber Award.

QIAN Baojun Fiber Award is conferred every two years. It includes Distinguished Achievement Award and Young Scholar Award, which will be conferred to distinguished scientists and excellent young scholars in the field of fiber-related sciences and engineering, respectively.

In 2023, the Distinguished Achievement Finalist Award and Young Scholar Finalist Award are added as supplementary to the Distinguished Achievement Award and Young Scholar Award, respectively. The finalist will be only conferred a certificate without the prize. The nominees selected for the finalist who are still valid as the candidates for the final winners of the Distinguished Achievement Award and Young Scholar Award in the future sessions.

Distinguished Achievement Award:

The winners should have been recognized distinguished professional achievement in basic or applied fiber sciences. A certificate and USD 10,000 will be awarded.

Young Scholar Award:

The winners should be younger than 45, active in fiber science, and have done excellent work in the science, engineering, and technology of fibers, fiber-based materials and devices. A certificate and USD 3,000 will be awarded.



QIAN BAOJUN FIBER AWARD

Distinguished Achievement Award

杰出贡献奖

Winner Details (获奖人信息)

Name	Stephen, Z. D. Cheng
Date of Birth	Aug. 3, 1949
Position	Professor
Organization	The University of Akron
Email	scheng@uakron.edu



Biography (个人简介)

Prof. Stephen Z. D. Cheng received his Ph.D. degree at Rensselaer Polytechnic Institute at Troy, New York, in 1985. His research interests are in the area of chemistry, physics, and engineering of polymers and advanced functional materials including ordered structure, morphology, phase transition thermodynamics, kinetics, and molecular motions. His recent interests in particular are focusing on nanohybrid materials with different molecular chemical structures and physical topologies, architectures, and interactions and their assemblies in the bulk, solution, and thin films. He is also active in developing researches of high-performance polymer fibers, conducting polymers, photovoltaics, polymer optics, and photonics. He is the recipient of Presidential Young Investigator Award (1991), John H. Dillon Medal (APS, 1995), Mettler-Toledo Award (NATAS, 1999), TA-Instrument Award (ICTAC, 2004), PMSE Cooperative Research Award (ACS, 2005), Polymer Physics Prize (APS, 2013), International Cooperation Awards of Shanghai (2015), and other awards and recognitions. Cheng has been a Fellow of AAAS and APS and an Honorable Fellow of Chinese Chemical Society. He has been elected as a member of the National Academic of Engineering of US (2008).

Distinguished Achievement Award Conferred Reason:

For insightful use of the theory of metastability to understand structure and dynamics of high-performance polymer fibers

具有洞察力地运用高分子亚稳态理论研究理解高性能聚合物纤维结构与动力学



QIAN BAOJUN FIBER AWARD

Young Scholar Award

青年学者奖

Winner Details(获奖人信息)

Name	Christian Müller
Date of Birth	Jul. 9, 1980
Position	Professor
Organization	Chalmers University of Technology, Sweden
Email	christian.muller@chalmers.se



Biography (个人简介)

Christian Müller is a Professor in Polymer Science at Chalmers University of Technology. He received an ERC Starting Grant in 2014 became a SSF Future Research Leader in 2016. He has been a Wallenberg Fellow and since 2021 he is a Wallenberg Scholar. Prior to Chalmers, where he works since 2012, he completed post-doctoral stays at ICMAB-CSIC in Barcelona and Linköping University. He holds a Dr. Sc. in Materials Science from ETH Zürich (2008) and a M.Sci. in Natural Sciences from Cambridge University (2004). Christian Müller is a materials scientist. His core expertise lies in combining classical polymer science with organic electronics. His group focuses on the physical chemistry of organic semiconductors, polymer blends and composites, and develops new plastic materials for use in the fields of wearable electronics and energy technology ranging from solar cells and thermoelectrics to power cables.

Young Scholar Award Conferred Reason:

For development of new polymeric materials for use in the fields of wearable electronics and energy technology

开发新型聚合物材料用于可穿戴电子和能源技术领域



QIAN BAOJUN FIBER AWARD

Young Scholar Award 青年学者奖

Winner Details (获奖人信息)

Name	Shuguang Yang
Date of Birth	Jul. 6, 1979
Position	Professor
Organization	Donghua University
Email	shgyang@dhu.edu.cn



Biography (个人简介)

Prof. Shuguang Yang received his BS in 2002 at Wuhan University and his PhD in 2007 at Institute of Chemistry, Chinese Academy of Sciences. After research assistant at Peking University and postdoc at The University of Akron, he joined Donghua University (DHU) and was appointed as a full professor of College of Materials Science and Engineering in 2010. He has serviced as Associate Director of Center for Advanced Low-dimension Materials (CALM) since 2016. His research interests involve polymer complexes, fluoropolymers, adaptive fibers, and separation membranes. He published 140 peer-reviewed research papers and obtained 14 patents. He is the recipient of CAS President Excellent Award (2007), Sangma Faculty Prize (2018), and CCS Polymer Innovation Paper Award (2019).

Young Scholar Award Conferred Reason:

For new exploration to use polymer complexes to produce multifunctional and adaptive fiber materials

利用高分子复合物制备多功能和自适应性纤维的前沿新探索



QIAN BAOJUN FIBER AWARD

Distinguished Achievement Finalist

杰出贡献提名奖



Nominee Details (提名奖人信息)

Name	Seeram Ramakrishna
Date of Birth	Jun. 15, 1964
Position	Professor
Organization	National University of Singapore
Email	seeram@nus.edu.sg

Biography (个人简介)

Professor Seeram Ramakrishna, FREng, Everest Chair is a world leading Highly Ranked Scholar-Lifetime in 'electrospinning' and 'nanofibers' at the National University of Singapore, which is ranked among the top eight universities in the world. He is named among the World's Most Influential Minds (Thomson Reuters); Top 1% Highly Cited Researchers in material science as well as cross-field categories (Clarivate Analytics); and among the top 25 scientists in Nanoscience & Nanotechnology (Ioannidis | Stanford University c-score). His publications to date have an H-index of 185 and 168,523 citations. He is an elected Fellow of UK Royal Academy of Engineering (FREng); AAAS; ASM International; ASME; and AIMBE, USA. He is an Editorial board member of several journals including NPJ Urban Sustainability; Circular Economy; Materials Circular Economy; Current Opinion in Biomedical Engineering; eScience; and Advanced Fiber Materials.

Distinguished Achievement Finalist Conferred Reason:

For outstanding contributions to developing electrospinning technique
在发展静电纺丝技术中做出杰出贡献



QIAN BAOJUN FIBER AWARD

Young Scholar Finalist

青年学者提名奖



Nominee Details (提名奖人信息)

Name	Hui Wu
Date of Birth	Jan. 22, 1983
Position	Professor
Organization	Tsinghua University
Email	huiwu@tsinghua.edu.cn

Biography (个人简介)

Hui Wu is a tenured professor at the School of Materials Science and Engineering, Tsinghua University. He obtained his Ph.D. degree in the Department of Materials Science and Engineering at Tsinghua University in 2009 and joined in Stanford University as a postdoctoral fellow. After that, he worked as a PI in Tsinghua University since 2013. Prof. Wu's research focuses on developing new methods for mass production of ceramic nanofiber materials, and further extending their functions and applications. Dr. Wu has authored/co-authored more than 200 scientific papers in peer refereed journals, and these papers have been cited for more than 40,000 times. In recent 5 years, he published more than 80 high-quality papers as corresponding author in high impact journals, including Nature Energy, Science Advances, Nature Communications and Advanced Materials. Dr. Wu was awarded the National Science Fund for Distinguished Young Scholars, Project of Thousand Youth Talents and the Chief Scientist of 973 Program Youth Project, MIT Technology Review 35 Innovators Under 35 (TR35 award). He won the 10 Outstanding Young Scientist Awards (Ministry of Education) in the year of 2019.

Young Scholar Finalist Conferred Reason:

For excellent work in industrial-scale production of ceramic fibers
在陶瓷纤维工业规模生产中做出重要贡献

INTRODUCTION OF ORGANIZERS

纤维材料改性国家重点实验室（东华大学）

纤维材料改性国家重点实验室依托于东华大学，源于我国第一个化学纤维专业，于1992年由原国家计委批准筹建，1996年通过国家验收，2003年起连续四次通过国家评估，其中2018年被评为材料领域“优秀类国家重点实验室”，是我国纤维和纺织材料领域第一个国家重点实验室，为我国发展成为化学纤维生产大国，并向纤维强国迈进做出重要贡献。

实验室设有三个研究方向：（1）高性能纤维与复合材料；（2）功能纤维与低维材料；（3）环境友好与生物纤维材料。依托本重点实验室建设的“纤维材料先进制造技术与科学创新引智基地”2007年入选“高等学校学科创新引智计划”建设项目，2017年顺利通过国家外专局和教育部验收并获滚动支持。2018年，依托本重点实验室的先进纤维与低维材料国际联合实验室获批建设，该实验室属上海市科委“科技创新行动计划”“一带一路”国际合作项目。

实验室现任学术委员会主任为中国科学院院士张希教授，现任实验室主任为中国科学院院士朱美芳教授。现有固定人员100余人，已形成一支知识和年龄结构合理的高水平研究队伍。建有仪器设备公共平台，拥有大型仪器300余台（套）、工程试验线26条，实现24小时预约开放。

实验室始终坚持“开放、流动、联合、竞争”的八字方针。凝炼学科方向，汇聚科研人才，严格规范管理，广泛开展交流与合作。近年来荣获国家科技进步一等奖1项、国家自然科学二等奖1项、国家技术发明二等奖6项、国家科技进步二等奖6项、省部级一等奖50余项。近五年发表SCI收录论文3000余篇，获授权发明专利1000余项，承担国家重点研发计划、国家自然科学基金、省部级和国际合作及企业合作项目等900余项，科研经费约8亿元。

作为国家级科研基地，纤维材料改性国家重点实验室的发展目标是引领我国纤维材料科学技术与产业发展，对接国防军工航空航天战略性新兴产业重大需求，成为国际一流学术交流与研究基地。



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INTRODUCTION OF ORGANIZERS

State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (Donghua University)

State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM) in Donghua University, with the first Chinese major in chemical fibers, was founded under the approval of State Development Planning Commission in 1992. It completed the national acceptance in 1996 and passed the national assessment 4 times since 2003. In 2018, SKLFPM was rated as "Excellent State Key Laboratory". As the first key state-level scientific research center of fibers and textiles in China, it has made great contribution to the development of chemical fiber industry of China.

SKLFPM currently focuses on three research themes, including high performance fibers and composite materials, functional fibers and low-dimensional materials, and environmentally-friendly and biomass fibers and materials. In 2007, Innovation and Talents Introduction Base of Advanced Fabrication Technology of Fiber Materials was enrolled in the Talents Introducing Program for Disciplinary Innovation of Universities. In 2017, it passed the evaluation and got rolling support of State Bureau of Foreign Affairs and Ministry of Education. In 2018, the Shanghai Belt and Road Joint Laboratory of Advanced Fiber and Low-Dimension Materials built by SKLFPM was supported by Shanghai Science and Technology Commission.

Prof. Xi Zhang (Academician, CAS) is the current director of SKLFPM Academic Committee. The director of SKLFPM is Prof. Meifang Zhu (Academician, CAS). SKLFPM has more than 100 faculty members, which constitutes high-level research team. The facility center of SKLFPM is equipped with more than 300 instruments and 26 pilot plants.

SKLFPM promotes the principle of "openness, communication, cooperation and competition". In recent five years, SKLFPM has conducted more than 900 scientific and engineering projects. The total amount of the funding is about 800 million Yuan. The laboratory has been awarded 14 National Awards, and more than 50 first-level prizes at the provincial and ministerial level. More than 3000 academic papers have been published, and more than 1000 patents were authorized.

As a state-level research center, SKLFPM aims at leading the development of fiber science and technology as well as chemical fiber industry, to meet the great demand of strategic fiber materials, and to be the international first-class academic exchange and research center.

SKLFPM
DONGHUA UNIVERSITY
纤维材料改性国家重点实验室

INTRODUCTION OF ORGANIZERS

东华大学材料科学与工程学院

东华大学材料科学与工程学院源于1954年钱宝钧、方柏容教授创建的新中国第一个化学纤维专业，历经化学纤维研究室、研究所及化学纤维系的建立和发展沿革，于1994年成立。现设有高分子材料与工程、复合材料与工程、无机非金属材料工程、功能材料（新能源与光电材料方向）4个国家级一流本科专业，以及新材料现代产业学院（全国首批）。拥有“材料科学与工程”、“化学”2个一级学科博士点以及“材料与化工”、“能源动力”2个专业博士点。依托学院建有纤维材料改性国家重点实验室（2018年国家评估为优秀）、高性能纤维及制品教育部重点实验室（B）、先进玻璃制造技术教育部工程研究中心（2018年国家评估为优秀）等21个国家和省部级科研基地。材料科学与工程一级学科是国家“双一流”建设学科、ESI千分之一学科。

学院是国务院材料学科评议组成员、教育部材料类专业教指委副主任、中国材料研究学会副理事长单位。先后获全国教育系统先进集体、全国工人先锋号、全国样板党支部等30余项国家级荣誉。学院师资力量雄厚，现有教职工161名，含正高65名、副高48名，国家级人才30余名（其中两院院士2名、国家重点研发计划首席科学家11名）。在校生2731名，包括本科生1040名、研究生1691名。迄今已培养了美国工程院院士程正迪，中国两院院士季国标、何鸣元、朱美芳等优秀毕业生1.4万余名。

学院坚持“四个面向”，率先实现了黏胶基碳纤维、芳纶等战略物资国产化；参与研发的先进玻璃材料在***上获得成功应用；大量开展了功能聚酯纤维等通用纤维研究，为占世界产量70%的中国化纤产业转型升级做出突出贡献；牵头成立了国家先进功能纤维创新中心与民航复材协同创新中心，服务大飞机、长三角一体化及“一带一路”等国家战略；学科先后获国家三大奖18项，成果和专利转化效益惠及年产值达万亿的纤维材料等行业。

新时代下，学院以世界一流学科建设为统领，瞄准国际前沿和国家重大需求，结合长三角材料产业发展特色，聚焦高性能纤维与复合材料、功能纤维与智能材料、生物纤维与健康材料、先进玻璃与陶瓷材料、低碳技术与能源材料五大重点建设领域，汇聚一流师资队伍，培养一流人才，开展一流研究，目标是建成具有中国特色的世界一流材料科学与工程学院。



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INTRODUCTION OF ORGANIZERS

**College of Materials Science and Engineering (CMSE),
Donghua University**

The College of Materials Science and Engineering (CMSE) of Donghua University was founded in 1994, originating from the first program of chemical fibers in P.R. China initiated by Prof. Qian Baojun and Prof. Fang Borong back in 1954. CMSE currently offers four National First-Class Undergraduate Majors (Polymer Materials and Engineering, Composite Materials and Engineering, Inorganic Non-metallic Materials Engineering, and Functional Materials (New Energy and Optoelectronic Materials)), College of Modern Industry on Advanced Materials, two first-level discipline Ph.D. programs (Materials Science and Engineering, Chemistry), as well as two Doctor of Engineering programs (Materials and Chemical Engineering, Energy and Power). There are 21 national, provincial, and ministerial scientific research bases affiliated to CMSE, including the State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM), the Key Laboratory of High-Performance Fibers and Product of Ministry of Education (B), and Engineering Research Center of Advanced Glass Manufacturing Technology of Ministry of Education. The SKLFPM and the Engineering Research Center of Advanced Glass Manufacturing Technology of Ministry of Education were both awarded "Excellent" in the national evaluation in 2018. The discipline of Materials Science and Engineering is selected in China's "Double World-Class Project" and ranked Top 1‰ disciplines in the world by Essential Science Indicators (ESI).

CMSE is proud of its strong and dynamic faculty team of 161 members (including 65 professors and 48 associate professors), among whom there are over 30 national talents, including 2 academicians of the Chinese Academy of Sciences and Chinese Academy of Engineering and 11 Chief Scientists of the China National Key R&D Programs. CMSE faculty has been appointed as the member of the Academic Degree Committee of the State Council of China, the deputy director of Material Division of Teaching Steering Committee of Ministry of Education, the vice chairman of Chinese Materials Research Society and so on. CMSE has successively won more than 30 national honors such as the Advanced Group of the National Education System, the National Worker Pioneer, and the National Model Party Branch. In year 2023, there are 2731 students in CMSE, with 1040 undergraduates and 1691 graduates. With several decades' excellence in both research and teaching, CMSE is grateful to have over 14,000 alumni so far, pioneered by Prof. Stephen Z. D. Cheng (member of the United States National Academy of Engineering), Prof. Ji Guobiao (academician of the Chinese Academy of Engineering), Prof. He Mingyuan (academician of the Chinese Academy of Sciences) and Prof. Zhu Meifang (academician of the Chinese Academy of Sciences).

CMSE is national leader in chemical fiber research and has played an important role in the development of the chemical fiber industry in China. With the "Four Orientations" as the motto, CMSE has successfully resolved numerous key technical issues to address major national needs, such as the realization of the homemade strategic materials (e.g., viscose-based carbon fiber and aramid fiber) and the development of the advanced glass materials successfully applied in the ***. Our research on functional polyester fibers and other commodity fibers has made great contributions to the transformation and upgrading of China's chemical fiber industry, which accounts for 70% of the world's total output. CMSE also took the lead in establishing the National Advanced Functional Fiber Innovation Center and the Civil Aviation Composite Material Collaborative Innovation Center for projects related to China's major strategies, such as the domestic large aircraft C919, Yangtze River Delta, and the Belt and Road Initiative. In addition, CMSE set up the world's first fiber innovation award and launched "Advanced Fiber Materials", a high-quality international journal focused on fiber materials. So far, the discipline has won the three major national awards for as many as 18 times, whose achievements and patent conversion benefit fiber materials-related industries with an annual output value of trillions of RMB.

In the new era, with a long-standing commitment to high-quality education and cutting-edge scientific research, CMSE aims to become a distinctive, embracing, and high-level research-oriented college. Faced with the world's latest challenges, major national needs, and the unique development characteristics of the local materials industry in the Yangtze River Delta, CMSE is dedicated to active engagement and significant advance in the following five core fields: (i) high-performance fibers and composite materials; (ii) functional fibers and smart materials; (iii) biological fibers and health materials; (iv) advanced glass and ceramic materials; (v) low-carbon technology and energy materials. CMSE will strive to support top faculty, talents, research and innovation, with the ultimate goal of building a world-class materials science and engineering college with Chinese characteristics.

TALENT RECRUITMENT

Global Recruitment Announcement in State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM)

Since it was founded in 1992, State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM) has successfully passed national assessments in 2003, 2008 and 2013, and was awarded the "Excellent National Key Laboratory" in the fourth national assessment in 2018. As the first state key laboratory in the field of fiber and textile, SKLFPM insists on the researches directed by the scientific goals, demands, and challenges, and has contributed much to the aspects such as scientific innovations-driven national developments and serving for Chinese economics.

"Talent is the first resource for innovation". In order to serve for the national responsibilities well and promote the SKLFPM development, SKLFPM calls for the application for the open positions in SKLFPM.

1. Recruitment Positions

Open positions (Disciplines and research directions)		Positions Numbers
High performance fiber and composite materials	Fibers, Polymer-based composites, Design and synthesis of polymers with good mechanical properties, etc.	7-9
Functional fibers and smart materials	Functional polymers and polymer engineering, etc.	6-8
Green fibers and human health-related materials	Degradable materials, environmentally friendly materials, environmentally friendly polymer engineering, biological and medicine-related materials	5-7
Pioneering fibers and hybrid materials	Materials based on Information, machinery, physics, chemistry, inorganic fibers, and ceramics.	6-8

2. Requirements

We look forward to recruit various talents as follows:

Chair professors (2-3)

Requirements:

- Record of internationally-recognized achievement in his/her field, original academic contributions, and demonstrable outstanding academic leadership;
- Full professors at universities in China or abroad, or with equivalent appointment standards, or with equivalent positions or levels at research institutions in China and abroad.

Professors (3-5)

- Outstanding record of original achievements in his/her field, demonstrable strong academic leadership, and great potential to top his/her field in the near future;
- Tenured professors or associate professors at universities in China or abroad, or with equivalent appointment standards, or with equivalent positions or levels at research institutions in China and abroad.
- Age is generally not more than 40 years old.

Distinguished research fellows (5-6)

- Excellent research experiences, own research directions with unique property, and great development potentials;
- Good achievements that are close to those of the national youth talents.
- Age is generally not more than 35 years old (38 years old for female)

Associated professors (8-12)

- Good research experiences
- Excellent achievements and good development potentials;
- Age is generally not more than 38 years old (40 years old for female)

Lectures (6-8)

- The PhD degrees in the famous universities or institutes,
- Good development potentials
- Age is generally not more than 32 years old (35 years old for female)

3. Salaries and Benefits

- The good living and working conditions in the university town of Songjiang in Shanghai;
- Internationally competitive salaries and housing benefit
- Medicare, social insurance, and children's schooling on campus;

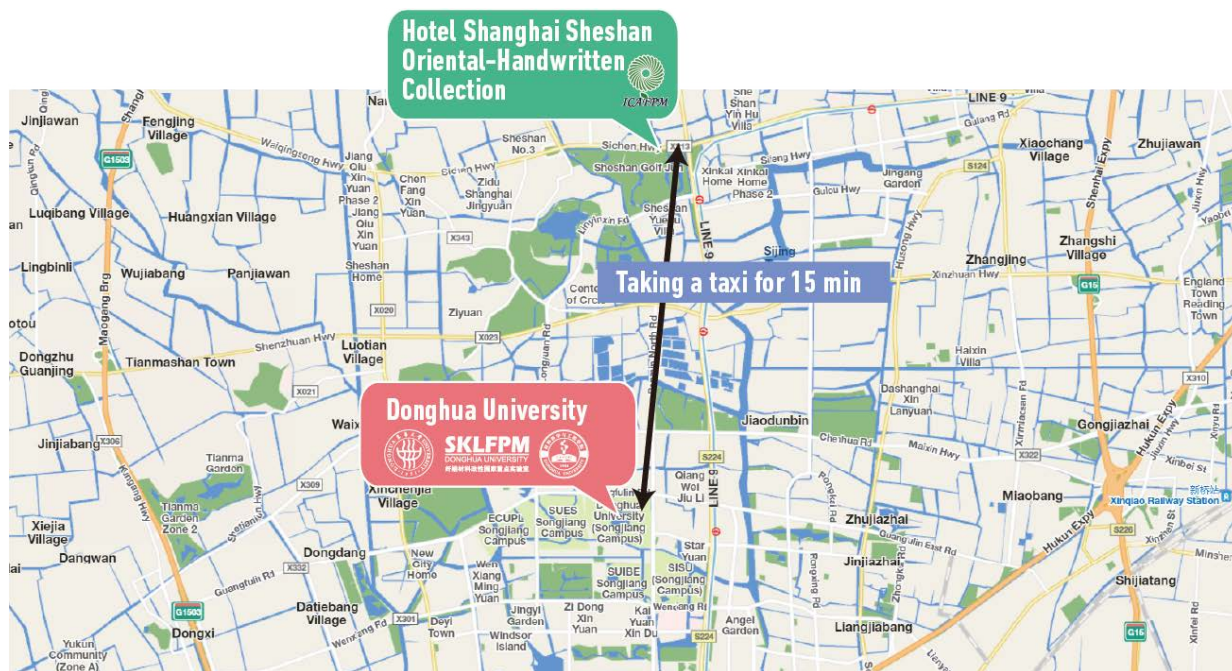
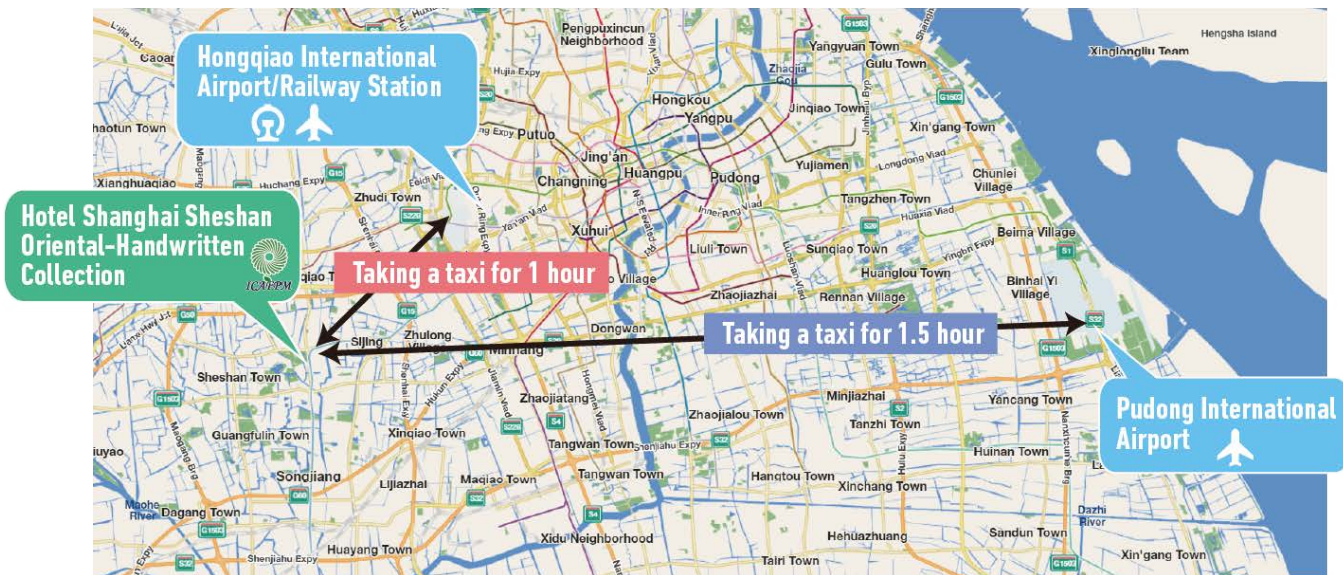
4. Application Materials

- CV;
- Academic self-assessment;
- 5 representative academic outputs;

5. Contact

Emails: sklfpm@dhu.edu.cn jiangyi@dhu.edu.cn
Phone numbers 021-67792851 021-67792865

TRANSPORTATION GUIDANCE



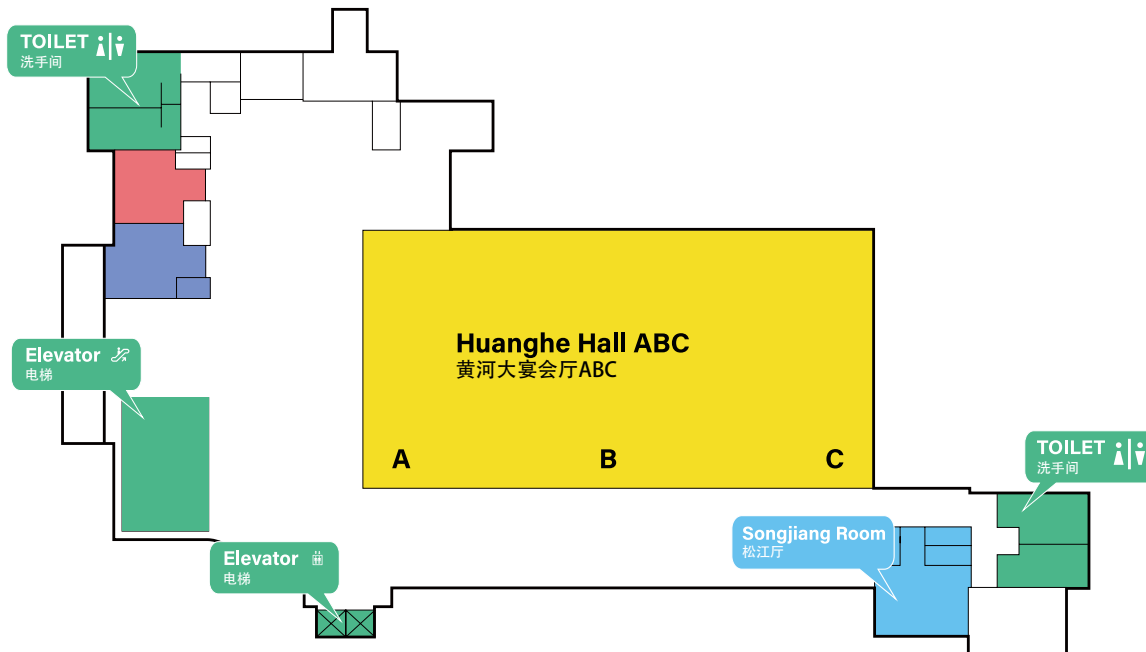
THE MAP

Hotel Shanghai Sheshan Oriental-Handwritten Collection



2F, Conference Center, Hotel Shanghai Sheshan Oriental-Handwritten Collection

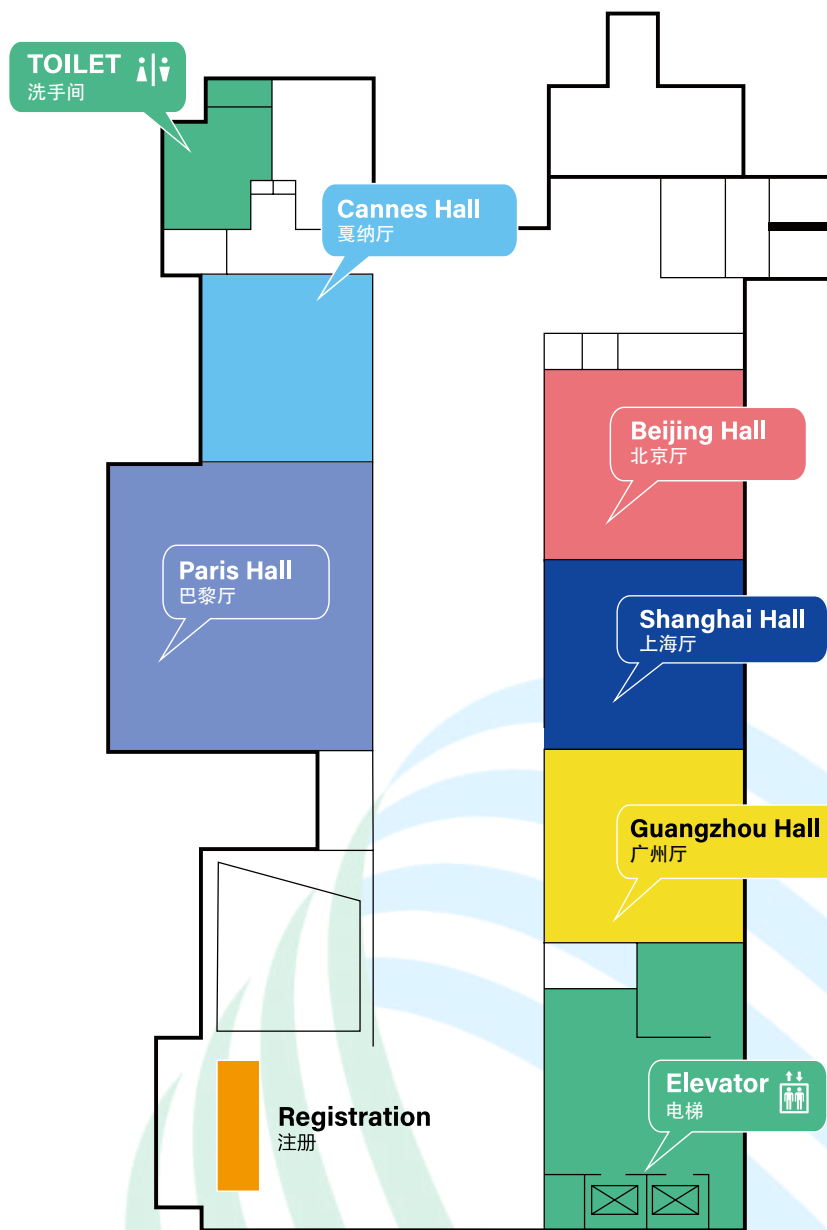
上海东方佘山翰悦阁酒店会议中心二楼



THE MAP

1F, Conference Center, Hotel Shanghai Sheshan Oriental-Handwritten Collection

上海东方佘山翰悦阁酒店会议中心一楼



THE MAP

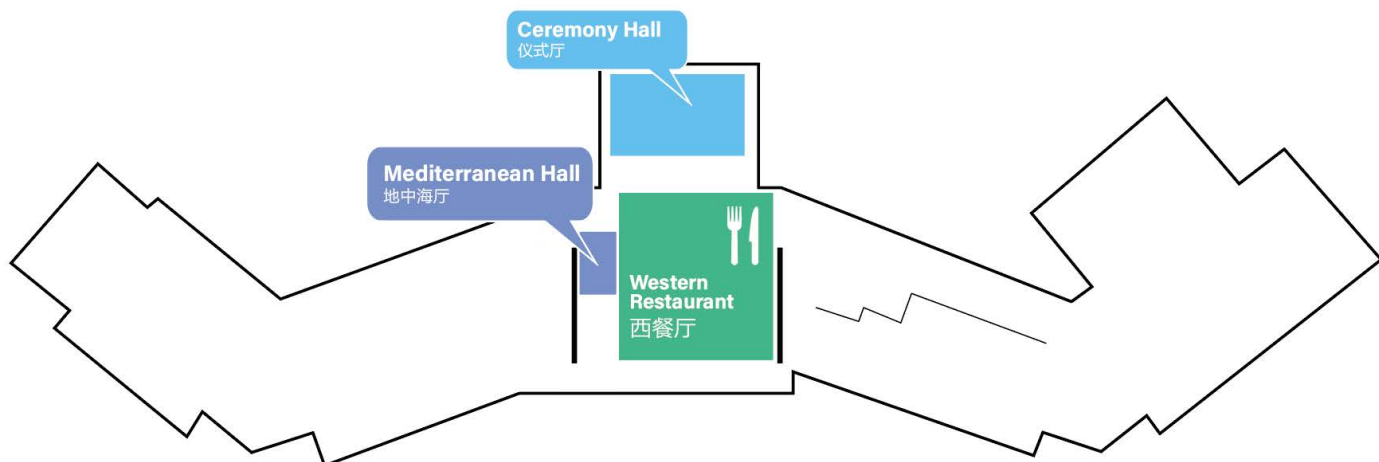
1F, Milan Hall / Lily Hall Hotel Shanghai Sheshan Oriental-Handwritten Collection

上海东方佘山翰悦阁酒店东方汇一楼米兰厅 / 百合厅



1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection

上海东方佘山翰悦阁酒店主楼一楼



INFORMATION FOR POSTER PRESENTERS

Poster Requirement

The poster should be 105 cm high and 80 cm wide.

Poster Location & Time

Lobby outside Milan Hall and Lily Hall, Hotel Shanghai Sheshan Oriental-Handwritten Collection.

The presenters should mount the posters by themselves at 09:00-17:00, Oct 20-21, 2023. Relevant tools will be provided on site. The presenters should withdraw the posters at 17:00-19:00, Oct 23, 2023.

Poster Presentations & Award

A poster presentation is a visual display and an extremely useful. During the poster session at 17:30-18:30 on Oct 22, 2023, all the authors are asked to be alongside their poster. The Poster Session time is marked as an opportunity for delegates to approach the authors of the poster and ask questions or discuss any information displayed. The "Excellent Poster Award" will be announced in the closing ceremony.

LUNCH AND DINNER

Oct. 20 Dinner (17:30-19:30)

Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection

Oct. 21 Lunch (12:00-13:00)

Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection

Oct. 21 Banquet (18:30-20:30)

Huang He Hall, 2F, Conference Center, Hotel Shanghai Sheshan Oriental-Handwritten Collection

Oct. 22 Lunch (12:00-13:00)

Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection

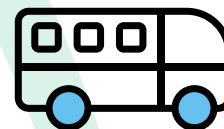
Oct. 22 Dinner (18:30-20:30)

Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection

Oct. 23 Lunch (12:00-13:00)

Western Restaurant, 1F, Main Building, Hotel Shanghai Sheshan Oriental-Handwritten Collection

SHUTTLE BUS SCHEDULE



去程: 上海新虹桥凯悦嘉轩及凯悦嘉寓酒店→上海东方佘山翰悦阁酒店 (会场)
From Hyatt Place Shanghai New Hongqiao to Hotel Shanghai Sheshan Oriental - Handwritten Collection (meeting place)

Oct. 20	14:20	15:40	17:00	18:20
Oct. 21	07:10	07:50	10:00	12:50
Oct. 22	07:10	07:50	10:00	12:50
Oct. 23	07:10	07:50	10:00	12:50

返程: 上海东方佘山翰月阁酒店→上海新虹桥凯悦嘉轩及凯悦嘉寓酒店)
From Hotel Shanghai Sheshan Oriental - Handwritten Collection (meeting place) to Hyatt Place Shanghai New Hongqiao

Oct. 20	14:00	15:20	16:40	18:00
Oct. 21	11:15	16:30	18:30	20:30
Oct. 22	11:15	16:30	18:30	20:00
Oct. 23	11:15	16:30	18:30	-

去程: 上海 Ruby POP 瑰宝酒店→上海东方佘山翰月阁酒店 (会场)
From Ruby Hotels to Hotel Shanghai Sheshan Oriental-Handwritten Collection (meeting place)

Oct. 20	15:00	16:20	17:40	19:00
Oct. 21	07:20	07:50	10:00	12:50
Oct. 22	07:20	07:50	10:00	12:50
Oct. 23	07:20	07:50	10:00	12:50

返程: 上海东方佘山翰悦阁酒店 - 上海 Ruby POP 瑰宝酒店
From Hotel Shanghai Sheshan Oriental-Handwritten Collection (meeting place) to Ruby Hotels

Oct. 20	14:40	16:00	17:20	18:40
Oct. 21	11:15	16:30	18:30	20:30
Oct. 22	11:15	16:30	18:30	20:00
Oct. 23	11:15	16:30	18:30	-

去程: 东华大学北门 (松江校区) → 上海东方佘山翰悦阁酒店 (会场)

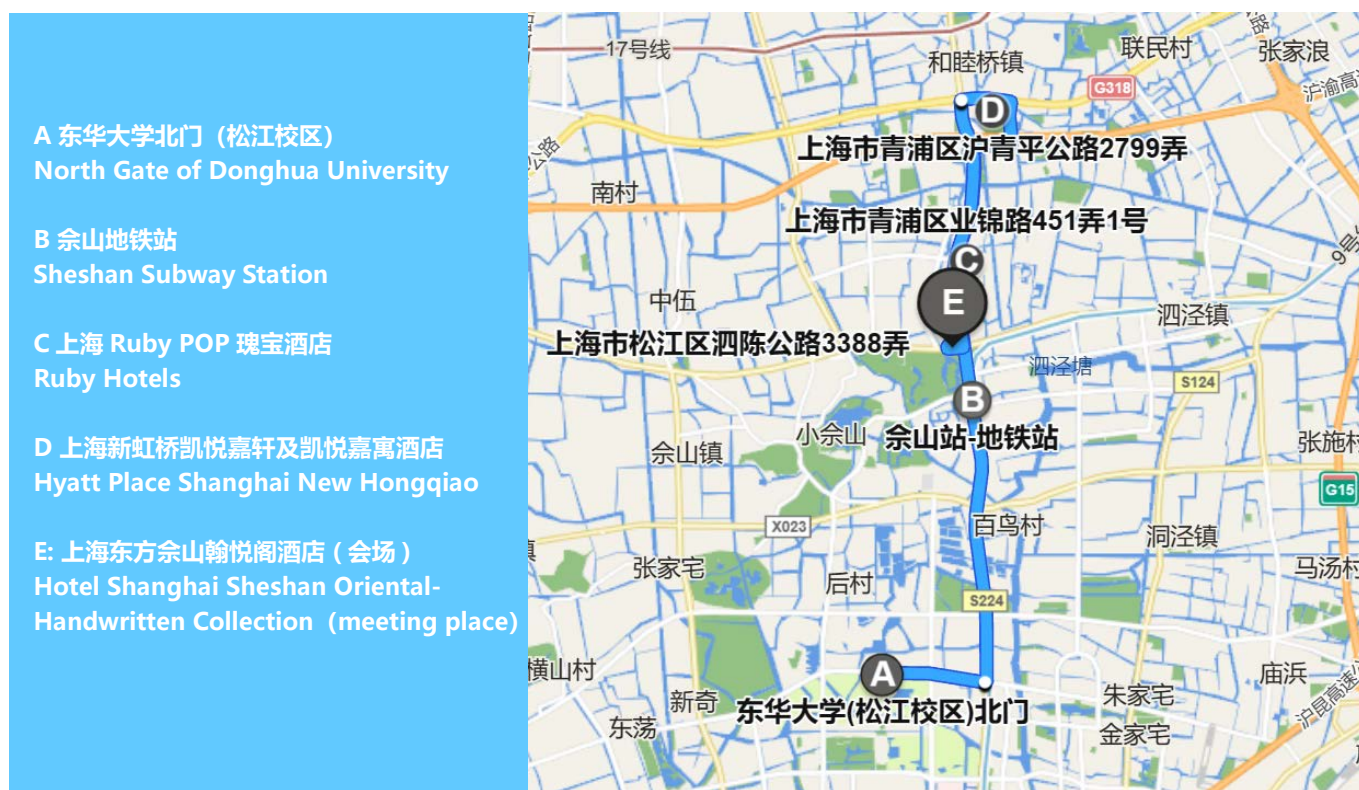
From North Gate of Donghua Univer. to Hotel Shanghai Sheshan Oriental-Handwritten Collection (meeting place)

Oct. 20	07:00, 07:50	14:00	16:00	18:00
Oct. 21	06:20, 07:00	07:50	10:00	12:50
Oct. 22	06:20, 07:00	07:50	10:00	12:50
Oct. 23	06:20, 07:00	07:50	10:00	12:50

返程: 上海东方佘山翰悦阁酒店 (会场) → 东华大学北门 (松江校区)

From Hotel Shanghai Sheshan Oriental-Handwritten Collection (meeting place) to North Gate of Donghua Univer.

Oct. 20	15:00	17:00	19:00	20:30
Oct. 21	11:15	16:30	18:30	20:30
Oct. 22	11:15	16:30	18:30	20:00
Oct. 23	11:15	16:30	18:30	-



A 东华大学北门 (松江校区)
North Gate of Donghua University

B 佘山地铁站
Sheshan Subway Station

C 上海 Ruby POP 瑰宝酒店
Ruby Hotels

D 上海新虹桥凯悦嘉轩及凯悦嘉寓酒店
Hyatt Place Shanghai New Hongqiao

E: 上海东方佘山翰悦阁酒店 (会场)
Hotel Shanghai Sheshan Oriental-
Handwritten Collection (meeting place)

其他注意事项:

additional notes

Shuttle bus will not be arranged for non-designated hotels, please pay attention to the Departure Time-table, so as not to miss.

本次会议非指定酒店不安排接驳, 请注意发车时间, 以免错过。

志愿者联系人

Contact information

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李威 +86-18800686101 上海 Ruby POP 瑰宝酒店

Wei Li (Ruby Hotels): +86-18800686101

郭晗 +86-13273220635 上海新虹桥凯悦嘉轩及凯悦嘉寓酒店

Han Guo (Hyatt Place Shanghai New Hongqiao): +86-13273220635

PLENARY LECTURE

Oct. 21, 2023 Huanghe Hall Opening Ceremony

Time	Speaker	Title	Affiliation
09:20-09:50	Stephen Z. D. Cheng	Superlattice Engineering in Giant Molecules: Soft Alloys	Arkon University, United States
10:00-10:30	Xinliang Feng	Advances in Organic 2D Crystals from On-Water Surface Chemistry to Functional Applications	Max Planck Institute of Polymers, Germany
10:30-11:00	Antonio Facchetti	Unconventional semiconductors and processes for stretchable, wearable and fiber electronics	Georgia Institute of Technology, United States
11:10-11:40	Ki Dong Park	Therapeutic Platforms of Injectable Hydrogels	Ajou University, Korea
11:40-12:10	Hongbo Zeng	Exploring Reversible Molecular Interactions for Advancing Multifunctional Soft Materials and Surfaces	University of Alberta, Canada

Oct. 21, 2023

13:30-14:00	An-Chang Shi	Regulating the Self-assembly of Block Copolymers Via Dispersity	McMaster University, Canada	B
09:30-10:05	Richard B. Kaner	Hydrophilic Polymers for Preventing Bacterial Adhesion on Medical Grade Plastics	University of California, Los Angeles, United States	C
10:05-10:40	Charl F. J. Faul	unctional Porous Materials: Helping to Solve the CO ₂ Problem	University of Bristol, United Kingdom	C
11:00-11:35	Yen Wei	hoto-Thermal Materials for Solar-Distillation, Soft Robot and a New Method for Dissolution of Cellulose	Tsinghua University, China	C
09:40-10:10	Malcolm Xing	Conductive and Elastic Hydrogel for Heart Repair	University of Manitoba, Canada	E
09:40-10:10	Rui L. Reis	High-throughput Tissue Engineering Strategies and Ways to Engineer Different Complex In Vitro Models Using Natural Biomaterials and Cells	University of Minho, Portugal	F

Oct. 22, 2023

08:50-09:15	Xiaoming Tao	Smart Fabrics and System-on-Fabric Technology	Hong Kong Polytechnic University, China	H
09:00-09:30	Zijian Zheng	Soft, Permeable Electronics: Materials, Devices, and Energy	The Hong Kong Polytechnic University, China	O

PLENARY LECTURE

Oct. 23, 2023

Time	Speaker	Title	Affiliation
15:10-15:40	Xiaogang Liu	Lanthanide Transducers for Advanced Imaging and Assistive Technology	National University of Singapore, Singapore

E

Oct. 23, 2023 Huanghe Hall C Closing Ceremony

13:30-14:00	Zhishen Wu	Innovative Research and Application of High Performance Basalt Fiber	Southeast University, China
14:00-14:30	Jan C. M. van Hest	Smart Polymer Assemblies for Improved Photodynamic Therapy	Eindhoven University of Technology, Netherlands
14:30-15:00	Arne Thomas	Covalent Organic Frameworks for Catalysis and Energy Applications	Technische Universität Berlin, Germany
15:10-15:40	John Wang	Nano-porous Fibers for Energy Storage and Conversion	National University of Singapore, Singapore
15:40-16:10	Yan Lu	Colloidal Synthesis Approach for Energy Materials	Helmholtz Zentrum Berlin für Materialien und Energie, Germany
16:10-16:40	Yaopeng Zhang	Silk Fiber Related Functional and Smart Materials	Donghua University, China

PARALLEL SESSION

High performance fiber and composite materials
高性能纤维与复合材料



Oct. 22, 2023 Morning (上午) Venue: Lily Hall 1 (百合厅 1)

Moderator: Liping Jiang

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Keynote	Anqi Ju 巨安奇	Preparation and application of carbon fiber paper for hydrogen fuel cells	Donghua University 东华大学
08:50-09:10	Invited	Guijun Xian 咸贵军	Study on preparation and properties of thermoplastic fiber reinforced composite bars	Harbin Institute of Technology 哈尔滨工业大学
09:10-09:30	Invited	Qilin Mei 梅启林	Exploration on improving the processing ability of continuous fiber reinforced thermoplastic composites	Wuhan University of Technology 武汉理工大学
09:30-09:50	Invited	Mingli Jiao 焦明立	Study on structural flame retardant fiber materials	Zhongyuan University of Technology 中原工学院
09:50-10:10	Oral	Bon-Cheol Ku	Highly Conductive and Strong Carbon Nanotube/Polyaniline Composite Fibers and their Application for Flexible Supercapacitors	Korea Institute of Science and Technology 韩国科学技术研究院

10:10-10:25 Coffee Break

Moderator: Muhuo Yu

10:25-10:45	Keynote	Yang Yang 杨洋	Manufacturing techniques and trends of advanced thermoplastic composites in civil aviation	Shanghai Aircraft Manufacturing Co., LTD 上海飞机制造有限公司
10:45-11:05	Invited	Changping Yin 尹昌平	Influence of Carbon Fiber Surface Modification on Properties of Phthalonitrile Resin Composite Materials	National University of Defense Technology 国防科技大学
11:05-11:25	Invited	Jie Dong 董杰	Efficient preparation and application of polyimide fibers	Donghua University 东华大学
11:25-11:45	Oral	Junghwan Kim	Highly strong carbon fibers with high modulus using wet-spun poly(p-phenylene sulfide) (PPS) and double-walled carbon nanotube (DWCNT) composite fibers	Korea Institute of Science and Technology 韩国科学技术院
11:45-12:00	Oral	Rouxi Chen 陈柔羲	Phenolic based porous carbon fibers with superior surface-area and adsorption efficiency for radioactive protection	Southern University of Science and Technology 南方科技大学

A

High performance fiber and composite materials
高性能纤维与复合材料

PARALLEL SESSION

Oct. 22, 2023 Afternoon (下午) Venue: Lily Hall 1 (百合厅 3)

Moderator: Yang Yang

Time	Type	Speaker	Title	Affiliation
13:20-13:45	Keynote	Zhong Zhang 张忠	Nanocomposites and Fibers Applied for Extreme Environments	University of Science and Technology of China 中国科学技术大学
13:45-14:05	Invited	Yongzhen Dai 戴永珍	Key technology and equipment for high-value recycling of waste fiber reinforced composite materials	Shanghai Jiao Tong University, Shanghai Zhishi Alloy Technology Co., LTD 上海交通大学 / 上海治实合金科技有限公司
14:05-14:35	Invited	Hui Zhang 张辉	Mechanical and Electromagnetic Shielding Properties of Carbon Fiber Reinforced Polyetherketone Composites	Donghua University 东华大学
14:35-14:45	Oral	Shiva Pandeya	Fabrication of Flexible CdS/TiO ₂ Nanofibers with High Potential of Recovery in Photo catalytic Activity	Tribhuvan University 特里布文大学 (尼泊尔)
14:45-15:00	Invited	Qingbao Guan 管清宝	The regulation and properties of high performance liquid crystal polyarylate	Donghua University 东华大学
15:00-15:15	Oral	Junyan Zhang 张君妍	Nanocomposite Aerogels with Exceptional Mechanical Performance for Thermal Superinsulation at Extreme Conditions	Donghua University 东华大学
15:15-15:30	Oral	Pingyuan Xia 夏平原	Application of high performance fiber reinforced TCP pipeline in oil and gas field	Jiangsu Zhengdao Ocean Technology Co., LTD 江苏正道海洋科技有限公司
15:30-15:45	Oral	Zhao Wang 王招	Research and development of matbook composite material data management and application system	Shanghai Boke Industrial Co., LTD 上海波客实业有限公司

15:45-16:00 Coffee Break

Moderator: Hui Zhang

16:00-16:20	Keynote	Lei Zu 祖磊	Study on the key technology of structure design and forming process of carbon fiber wound composite pressure vessel	Hefei University of Technology 合肥工业大学
16:20-16:40	Invited	Haijuan Kong 孔海娟	Research on high performance and application of aramid fiber	Shanghai University of Engineering Science 上海工程技术大学
16:40-17:00	invited	Yong Liu 刘勇	Effect of PAN Precursor Fiber Pretreatment on the Preoxidation Process of Carbon Fiber	Donghua University 东华大学
17:00-17:15	Oral	Qingxin Zhao 赵清新	The exploration of composite material application of Aosheng Technology in civil aviation field	Jiangsu Aosheng Composite Material Technology Co., LTD 江苏澳盛复合材料科技有限公司
17:15-17:30	Oral	Xiuting Li 李琇廷	Microstructure and properties of electromagnetic shielding layer on the surface of aramid fabric	Donghua University 东华大学
17:30-17:45	Oral	Weifu Sun 孙伟福	Interlaminartougheningand impactresistance offiberreinforcedpolymercomposites	Beijing Institute of Technology 北京理工大学
17:45-18:00	Oral	Jiajun Luo 罗家俊	Fabricating strong and tough aramid fibers by small addition of carbon nanotubes	Peking University 北京大学
18:00-18:15	Oral	Kaiqiang Wen 温凯强	Electrically-assisted void reduction for synergistic improvement in strength and toughness of fiber-reinforced composites	Xi'an Jiaotong University 西安交通大学

PARALLEL SESSION

Chemistry and Physics of Fiber and Polymeric Material
纤维和高分子材料的化学与物理

B

Oct. 21, 2023 Afternoon (下午) Venue: Ceremony Hall (仪式厅)

Moderator: Shuguang Yang

Time	Type	Speaker	Title	Affiliation
13:30-14:00	Plenary	An-chang Shi 史安昌	Regulating the self-assembly of block copolymers via dispersity	McMaster University 加拿大麦克马斯特大学
14:00-14:20	Keynote	Jing Yu 俞璟	Hydrogen-bonds mediate liquid-liquid phase separation of mussel derived adhesive peptides	Nanyang Technological University 南洋理工大学
14:20-14:35	Invited	Shuang Yang 杨爽	Multi-phase separation of polyelectrolyte coacervation	Peking University 北京大学
14:35-14:50	Invited	Jian Jiang 江剑	Interface properties of polyelectrolyte with precise sequence	University of the Chinese Academy of Sciences 中国科学院大学
14:50-15:05	Invited	Mingjun Huang 黄明俊	Fluorinated polyimides: systematic study of optical transparency and dielectric properties	South China University of Technology 华南理工大学
15:05-15:20	Invited	Xueyan Feng 冯雪岩	Study on structural defects in block copolymer self-assembled networks	Fudan University 复旦大学

15:20-15:40 Coffee Break

Moderator: Jing Yu

15:40-16:00	Keynote	Shuguang Yang 杨曙光	Polymer Complex Fibers	Donghua University 东华大学
16:00-16:20	Keynote	Qiang Zhao 赵强	Bionic functional materials of polyelectrolyte complex	Huazhong University of Science and Technology 华中科技大学
16:20-16:35	Invited	Si Wu 吴思	Photoresponsive polymers with micro and nano structures	University of Science and Technology of China 中国科学技术大学
16:35-16:50	Invited	Taolin Sun 孙桃林	Design and performance control of polymer chain structure in high performance soft materials	South China University of Technology 华南理工大学
16:50-17:05	Invited	Pengfei Zhang 张朋飞	Supernatant Phase in Polyelectrolyte Complex Coacervation: Cluster Formation, Binodal, and Nucleation	Donghua University 东华大学
17:05-17:20	Invited	Chunhua Cai 蔡春华	Cyclization of polypeptide nanofibers	East China University of Science and Technology 华东理工大学
17:20-17:35	Invited	Qiuyi Lu 卢秋宜	Molecular insights into interfacial interactions of natural organic matter (NOM)	University of Alberta 加拿大阿尔伯塔大学
17:35-17:50	Oral	Zongzi Hou	Analyses on Processing Behavior of Poly(L-lactide-co- ϵ -caprolactone) Fibers Prepared by Laser-Assisted Melt Electrospinning	Kyoto Institute of Technology 京都理工大学
17:50-18:05	Oral	Jianliang Gong 龚剑亮	Polymer assisted homogeneous dispersion of carbon nanotubes and continuous acid spinning in fiber production	Jiangxi Normal University 江西师范大学

B

Chemistry and Physics of Fiber and Polymeric Material
纤维和分子材料的化学与物理

PARALLEL SESSION

Oct. 22, 2023 Afternoon (下午) Venue: Cannes (戛纳厅)

Moderator: Zhongbao Jian

Time	Type	Speaker	Title	Affiliation
13:30-13:50	Keynote	Ning Zhao 赵宁	Preparation and properties of thermal conductive film based on poly-phenylbenzoxazole (PBO) nanofibers	Institute of Chinese Academy of Sciences 中科院化学研究所
13:50-14:05	Invited	Quan Chen 陈全	Promotion strain hardening of branched polymers through tuning the side chain length and distribution	Changchun Institute of Applied Chemistry Chinese Academy of Science 中科院长春应化所
14:05-14:20	Invited	Hao Liu 刘浩	Crystallization behavior of side chain polymers containing POSS	Donghua University 东华大学
14:20-14:35	Invited	Jinrong Wu 吴锦荣	Bionic functional materials of polyelectrolyte complex	Sichuan University 四川大学
14:35-14:50	Invited	Xiaohui Mao 毛晓卉	Exploring interaction forces of wetting materials for the applications in water treatment	Donghua University 东华大学
14:50-15:05	Oral	Li Dang 党丽	Room Temperature Phosphorescence Polymer Generated through Doping Fluorescent Molecules into PVP	Shantou University 汕头大学
15:05-15:20	Invited	Dongliang Zhou 周栋梁	Processing of Polymers using micro blending	Chang-Kai Company 上海昌凯机电科技有限公司

15:45-16:00 Coffee Break

Moderator: Quan Chen

15:40-16:00	Keynote	Wenbin Zhang 张文彬	Design and synthesis of topological protein materials	Peking University 北京大学
16:00-16:15	Invited	Zhongbao Jian 简忠保	Differentiated Ultrahigh Molecular Weight Polyethylenes	Changchun Institute of Applied Chemistry Chinese Academy of Science 中科院长春应化所
16:15-16:30	Invited	Mingyuan Li 李明远	Synthesis of high performance polyolefin materials by a new transition metal catalyst	Donghua University 东华大学
16:30-16:45	Invited	Gengxin Liu 刘庚鑫	The ultimate inhibition of entanglement achieves a 100-fold reduction in viscosity	Donghua University 东华大学
16:45-17:00	Invited	Chun Feng 冯纯	Conjugated polymer nanofibers with precise and controllable structure	East China University of Science and Technology 华东理工大学
17:00-17:15	Invited	Weiwei Zuo 左伟伟	Closed-loop recycling of polyester in textile industry	Donghua University 东华大学
17:15-17:30	Oral	Zhijie Zhu 朱志杰	Microfluidic construction of injectable gel fiber and its macroscopic assembly	Jiangsu Collage of Engineering and Technology 江苏工程职业技术学院

PARALLEL SESSION

Chemistry and Physics of Fiber and Polymeric Material
纤维和 高分子材料的化学与物理

B

Oct. 23, 2023 Morning (上午) Venue: Venue: Cannes (戛纳厅)

Moderator: Pengcheng Ma

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Keynote	Jianyong Jin 金坚勇	Living polymer networks prepared by controlled radical polymerization techniques	University of Auckland 奥克兰大学
08:50-09:05	Invited	Xunda Feng 冯训达	Molecular design of amphiphilic monomers, ordered assemblies, and structural fixation	Donghua University 东华大学
09:05-09:20	Invited	Chao Lang 郎超	Functional Biomimetic Soft Materials and Fibers Based on Polymer Self-Assembly	South China University of Technology 华南理工大学
09:35-09:50	Invited	Xiangcheng Pan 潘翔城	Heteroatom Radical Controlled Polymerization	Fudan University 复旦大学
09:50-10:05	Invited	Weijie Wang 王伟杰	Combining Hydrogen-Bonding Complexation and Microphase Separation to Construct Advanced Materials	University of Health and Rehabilitation Science 康复大学
10:05-10:20	Invited	ChaoYang 杨超	Potential application of long-acting drug hydrogels in ophthalmology and flexible interface construction	Qingdao University 青岛大学

10:20-10:40 Coffee Break

Moderator: Jianyong Jin

10:40-11:00	Keynote	Jin Huang 黄进	Research progress of cellulose nanowhisker materials based on surface modification and structural design	Southwest University 西南大学
11:00-11:15	Invited	Pengcheng Ma 马鹏程	Structural and molecular design of polyacrylonitrile fiber for oil-water separation	Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences 中科院新疆理化技术研究所
11:15-11:30	Oral	Yanyan Li 李艳艳	Upcycling of semi-aromatic polyesters by alkaline-catalyzed reactive processing	Jiaying University 嘉兴学院

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Photoelectronic Fibers and Porous Polymers
光电功能纤维与多孔聚合物

PARALLEL SESSION

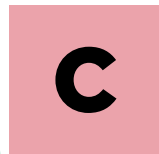
Oct. 21, 2023 Morning (上午) Venue: Lily 3 (百合厅 3)

Moderator: Yen Wei

Time	Type	Speaker	Title	Affiliation
09:30-10:05	Plenary	Richard Kaner	Hydrophilic Polymers for Preventing Bacterial Adhesion on Medical Grade Plastics	University of California, Los Angeles 美国加州大学洛杉矶分校
10:05-10:40	Plenary	Charl Faul	Functional Porous Materials: Helping to Solve the CO ₂ Problem	University of Bristol 英国布里斯托大学
10:40-11:00 Coffee Break				
Moderator: Bo Wang				
11:00-11:35	Plenary	Yen Wei 危岩	Photo-Thermal Materials for Solar-Distillation, Soft Robot and New Method for Dissolution of Cellulose	Tsinghua University 清华大学
11:35-11:55	Keynote	Jaehwan Kim	Environment-friendly cellulose nanofiber-based porous foams and their applications	Inha University 韩国仁荷大学

PARALLEL SESSION

Photoelectronic Fibers and Porous Polymers
光电功能纤维与多孔聚合物



Oct. 21, 2023 Afternoon (下午) Venue: Lily 3 (百合厅 3)

Moderator: Linbing Sun, Yuetao Zhang

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Zhikang Xu 徐志康	Microporous Janus Membranes	Zhejiang University 浙江大学
13:20-13:40	Keynote	Bo Wang 王博	Crystalline Open Frameworks for Separation and Catalysis	Beijing Institute of Technology 北京理工大学
13:40-13:55	Invited	Chao Xu 许超	Nanoengineering of porous organic materials by nanocellulose	Uppsala University 瑞典乌普萨拉大学
13:55-14:10	Invited	Kaikai Ma 马凯凯	MOF/fiber composites against chemical weapons	The Hong Kong Polytechnic University 香港理工大学
14:10-14:25	Invited	Yagang Yao 姚亚刚	Study on Controlled Fabrication of High Thermal Conductive Insulated Boron Nitride Nanotubes	Nanjing University 南京大学

14:25-14:40 Coffee Break

Moderator: Zhikang Xu, Chao Xu

14:40 - 15:00	Keynote	Jiaxing Huang 黄嘉兴	Polyaniline Nanofibers for Student Training: In Classroom and in Isolation during the Pandemic	Westlake University 西湖大学
15:00 - 15:20	Keynote	Qichun Zhang 张其春	Covalent Organic Frameworks as Promising Platforms for Diverse Applications	City University of Hong Kong 香港城市大学
15:20 - 15:40	Keynote	Linbing Sun 孙林兵	Making porous materials respond to light for adsorptive separation	Nanjing Tech University 南京工业大学
15:40 - 16:00	Keynote	Cheng Wang 汪成	三维共价有机框架材料的分子设计	Wuhan University 武汉大学
16:00 - 16:20	Keynote	Yuetao Zhang 张越涛	受阻 Lewis 酸碱对实现聚合物精准合成	Jilin University 吉林大学
16:20 - 16:35	Invited	Long Chen 陈龙	二维高分子的合成与性能	Jilin University 吉林大学
16:35 - 16:50	Invited	Lin Qiu 邱琳	Enhancement mechanism of interfacial heat transport of carbon nanotube assembly structures	University of Science and Technology Beijing 北京科技大学
16:50 - 17:05	Invited	Qingbin Zheng 郑庆彬	碳纳米纤维多向应变传感器	The Chinese University of Hong Kong, Shen Zhen 香港中文大学(深圳)
17:05 - 17:15	Invited	Guohong Ning 宁国宏	环三核金属团簇基 CMOF 的设计合成及其性能研究	Jinan University 暨南大学
17:15 - 17:25	Invited	Fenghua Zhang 张风华	Shape memory polymer composite fibers: materials, structures and applications	Harbin Institute of Technology 哈尔滨工业大学

C

Photoelectronic Fibers and Porous Polymers
光电功能纤维与多孔聚合物

PARALLEL SESSION

Oct. 22, 2023 Morning (上午) Venue: Lily 3 (百合厅 3)

Moderator: Baohang Han, Fan Zhang

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Keynote	Anjun Qin 秦安军	X-yne click polymerization and its applications in preparation of functional polymers	South China University of Technology 华南理工大学
08:50-09:10	Keynote	Jian Jin 靳健	聚合物多孔膜结构调控与精准分离	Soochow University 苏州大学
09:10-09:30	Keynote	Gang Xu 徐刚	MOF 3D Thin Film Based Gas Sensors	Fujian Institute Research of the Structure 中国科学院福建物构所
09:30-09:50	Keynote	Xuetong Zhang 张学同	Aramid nanofiber aerogels: design, fabrication, and performance	Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences 中国科学院苏州纳米所
09:50-10:10	Invited	Ting Lei 雷霆	高强度、高性能共轭高分子半导体纤维	Peking University 北京大学

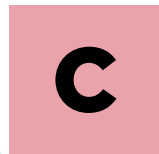
10:10-10:30 Coffee Break

Moderator: Conghui Yuan, Zhen Xu

10:30-10:50	Keynote	Baohang Han 韩宝航	Functional Porous Organic Polymeric Materials: Design, Preparation and Application	National Center for Nanoscience and Technology 国家纳米科学中心
10:50-11:10	Keynote	Fan Zhang 张帆	碳碳双键桥连共价有机框架 (COFs) 的动态共价化学	Shanghai Jiao Tong University 上海交通大学
11:10-11:25	Invited	Yaozu Liao 廖耀祖	High-throughput adsorption and transportation of porous polymer frameworks	Donghua University 东华大学
11:25-11:40	Invited	Dong Wang 王栋	The mesoscopic helical chirality in covalent organic frameworks and their properties	Wuhan Textile University 武汉纺织大学
11:40-11:55	Invited	Yong Zhao 赵勇	仿生多层次中空结构纳米纤维精准制备及应用	Beihang University 北京航空航天大学

PARALLEL SESSION

Photoelectronic Fibers and Porous Polymers
光电功能纤维与多孔聚合物



Oct. 22, 2023 Afternoon (下午) Venue: Milan 1 (米兰厅 1)

Moderator: Yuebiao Zhang, Jiangtao Di

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Wei Yan 延卫	Design and preparation of conjugated microporous polymers and study on their adsorption of heavy metals	Xi'an Jiaotong University 西安交通大学
13:20 - 13:40	Keynote	Teng Ben 贲腾	多孔有机盐的制备与主客体化学	Zhejiang Normal University 浙江师范大学
13:40- 14:00	Keynote	Zhenliang Xu 许振良	TFC/TFN Composite Membrane Nanostructure Controlling and Application Cases	East China University of Science and Technology 华东理工大学
14:00-14:15	Invited	Yuanlong Shao 邵元龙	烯碳增强纤维可控制备及功能化应用	Peking University 北京大学
14:15-14:30	Invited	Yongyi Zhang 张永毅	The continuous preparation of high-performance carbon nanotube fiber	Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences 中国科学院苏州纳米所
14:30-14:45	Invited	Yuxi Xu 徐宇曦	Two-dimensional functional polymer materials	Westlake University 西湖大学
14:45-15:00	Invited	Longyu Li 李龙玉	Oligo(Phenylenevinylene)-Based Covalent Organic Frameworks with Enhanced Photocatalytic Hydrogen Evolution	Sichuan University 四川大学

15:00- 15:20 Coffee Break

Moderator: Ting Lei, Yong Zhao

15:20-15:35	Invited	Yuebiao Zhang 章跃标	DynaCOFs: Structural Evolution and High Function	ShanghaiTech University 上海科技大学
16:35- 16:50	Invited	Jiangtao Di 邸江涛	人工肌肉纤维的可控驱动与功能集成	Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences 中国科学院苏州纳米所
16:50- 17:05	Invited	Li Dang 党丽	Organic Doped Room-Temperature Phosphorescent Materials: From Mechanism to Application	Shantou University 汕头大学
17:05- 17:20	Invited	Chong Cheng 程冲	高分子人造酶与生物催化材料	Sichuan University 四川大学
17:20- 17:35	Invited	Yunxiang Bai 白云祥	Extreme Properties of Carbon Nanotubes and Their Applications	National Center for Nanoscience and Technology 国家纳米科学中心
17:35-17:50	Invited	Yue Qi 元月	蒙烯玻璃纤维的制备与应用	Beijing Graphene Institute 北京石墨烯研究院

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Photoelectronic Fibers and Porous Polymers
光电功能纤维与多孔聚合物

PARALLEL SESSION

Oct. 23, 2023 Morning (上午) Venue: Milan 1 (米兰厅 1)

Moderator: Baohang Han, Fan Zhang

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Keynote	Dongsheng Liu 刘冬生	DNA Supramolecular Hydrogels	Tsinghua University 清华大学
08:50-09:05	Invited	Jiaying Jiang 蒋加兴	光催化分解水制氢共轭微孔聚合物的分子工程	Jiangnan University 江汉大学
09:05-09:20	Invited	Zhenjie Zhang 张振杰	A new generation of resin with homopores	Nankai University 南开大学
09:20-09:35	Invited	Kun Huang 黄琨	多孔有机聚合物碳化材料负载金属纳米粒子及其在生物质催化转化中的应用	East China Normal University 华东师范大学
09:35-09:50	Invited	Wei Zhang 章炜	Flexible Energy Storage Devices based on Functional Hydrogels	Southeast University 东南大学
09:50-10:05	Invited	Shuangjiang Luo 罗双江	多级微孔膜与贫氮天然气提氮	Institute of Process Engineering, Chinese Academy of Sciences 中国科学院过程所

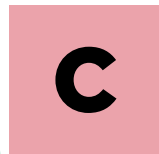
10:05-10:20 Coffee Break

Moderator: Dongsheng Liu, Jiaying Jiang

10:20-10:35	Invited	Conghui Yuan 袁丛辉	聚合物体系动态键交换反应与空心 / 多孔结构调控	Xiamen University 厦门大学
10:35-10:50	Invited	Zhen Xu 许震	石墨烯纤维新进展	Zhejiang University 浙江大学
10:50 -11:05	Invited	Dengguang Yu 余灯广	Electrospun Janus Structures and Their Piezophotocatalytic Applications in Treating Polluted Water and Energy Regeneration	University of Shanghai for Science and Technology 上海理工大学
11:05-11:20	Invited	Shuang Li 李爽	配位聚合物衍生电催化剂的高性能化及宏量制备	Sichuan University 四川大学
11:20-11:35	Invited	Yingjie Zhao 赵英杰	Single-crystalline covalent organic frameworks	Qingdao University of Science and Technology 青岛科技大学
11:35-11:45	Invited	Guofeng Liu 刘国峰	超分子聚集体的动态手性反转	Tongji University 同济大学
11:45-11:55	Invited	Zhenfei Gao 高振飞	碳纳米管 / 芳纶复合纤维的强韧化机制与批量制备技术	Beijing Graphene Institute 北京石墨烯研究院

PARALLEL SESSION

Photoelectronic Fibers and Porous Polymers
光电功能纤维与多孔聚合物



Oct. 23, 2023 Afternoon (下午) Venue: Milan 1 (米兰厅 1)

Moderator: Yiyong Mai, Yingbo Zhao

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Yong Wang 汪勇	均孔膜	Southeast University 东南大学
13:20 -13:40	Keynote	Dayong Yang 仰大勇	DNA-Based Functional Materials for Diagnosis and Therapeutics DNA	Tianjin University / Fudan University 天津大学 / 复旦大学
13:40-13:55	Invited	Xianlei Shi 史显磊	Application of functionalized fibers for clean catalysis in feasible practice	Henan Polytechnic University 河南理工大学
13:55-14:05	Invited	Kun Jiao 焦琨	高强高剪切烯碳 / 芳纶复合纤维的批量制备与应用探索	Peking University 北京大学
14:05-14:15	Invited	Ying Li 李颖	Design and the fluorescence sensing application of the lanthanide polymer hybrid probe	University of Shanghai for Science and Technology 上海理工大学
14:15-14:25	Invited	Muqiang Jian 蹇木强	高性能碳纳米管纤维的可控制备与性能研究	Beijing Graphene Institute 北京石墨烯研究院
14:25-14:35	Invited	Xiaojia Zhao 赵晓佳	宏观尺度下共价有机框架材料 (COFs) 的组装与构建	Hebei Normal University 河北师范大学
14:35-14:45	Invited	Jianan Wang 王嘉楠	Fiber-based porous polymer separator enabling high-performance lithium batteries	Xi'an Jiaotong University 西安交通大学
14:45-14:55	Invited	Weiyi Zhang 张卫懿	Organic molecular sieves for recovery and separation of high-value compounds	Donghua University 东华大学

14:55-15:15 Coffee Break

Moderator: Yong Wang, Dayong Yang

15:15-15:35	Keynote	Jie Kong 孔杰	Design and 3D Printing of Microwave Absorbing Ceramic Metamaterials from Polymer Precursors	Northwestern Polytechnical University 西北工业大学
15:35-15:55	Keynote	Yiyong Mai 麦亦勇	基于高分子自组装的多孔能源材料化学	Shanghai Jiao Tong University 上海交通大学
15:55-16:05	Invited	Yingbo Zhao 赵英博	玻璃态金属有机配位聚合物的自底向上合成和光电应用	ShanghaiTech University 上海科技大学
16:05-16:15	Invited	Xianguang Yang 杨先光	基于量子点和聚合物的电致发光纤维及电泵浦激光	Jinan University 暨南大学
16:15-16:25	Invited	Xin Wang 王欣	Porous carbon nanofiber and its application in electrochemical energy storage	Songshan Lake Materials Laboratory 松山湖材料实验室
16:25-16:35	Invited	Chenyi Wang 汪称意	侧链型聚合物阴离子交换膜材料的协同设计及性能研究	Changzhou University 常州大学
16:35-16:45	Invited	Cheng Qian 钱成	Modulating Single-Atom Active Sites of Acceptors on Covalent Organic Frameworks for Enhanced Photocatalytic Hydrogen Production	Donghua University 东华大学
16:45-16:55	Invited	Yuchao Li 李玉超	Improved Dielectric and Energy Storage Properties of Three-Dimensional BaTiO ₃ /Polyvinyl Alcohol-Boron Nitride Flexible Dielectric Composite via Template Infiltration Strategy	Liaocheng University 聊城大学
16:55-17:05	Invited	Ran Cao 曹冉	Application of MOF/fiber composites in personal health	Donghua University 东华大学
17:05-17:15	Invited	Tingting Xu 徐婷婷	Porous organic cage-based membranes for ion separation	University of Science and Technology of China 中国科学技术大学



Smart Fibers and Wearable Technology
智能纤维与可穿戴技术

Oct. 21, 2023 Morning (上午) Venue: Milan 3 (米兰厅 3)

Moderator: Mingwei Tian

Time	Type	Speaker	Title	Affiliation
09:30-09:40	Chairman's statement			
09:40-09:55	Invited	Jiefeng Gao 高杰峰	Flexible and Superwetable Fiber Composites for Wearable Sensing	Yangzhou University 扬州大学
09:55-10:10	Invited	Zhiying Gao 高智英	Plus and Minus Strategy to Design Conductive Nanocellulose for Flexible Sensor Applications	Zhejiang Sci-Tech University 浙江理工大学
10:10-10:25	Invited	Junyi Zhai 翟俊宜	Fabric-Based Nanogenerators and Wearable Sensors	Beijing Institute of Nanoenergy and Nanosystems, CAS 中国科学院北京纳米能源与系统研究所
10:25-10:40	Invited	Mingwei Tian 田明伟	Skin-Friendly and Wearable Iontronic Touch Panel for Virtual-Real Handwriting Interaction	Qingdao University 青岛大学

10:40-10:55 Coffee Break

Moderator: Shengyang Zhou

10:55-11:10	Invited	Shengyang Zhou 周生洋	Fabricate 2D Materials for Intelligent Wearable Fibers	Sichuan University 四川大学
11:10-11:25	Invited	Rongzhou Lin 林容周	Near-Field-Enabled Clothing for Wireless Battery-Free Body Sensor Networks	South China University of Technology 华南理工大学
11:25-11:40	Invited	Xianhong Zheng 郑贤宏	MXene Functionalized, Highly Breathable and Sensitive Pressure Sensors and Their Wearable Applications	Anhui Polytechnic University 安徽工程大学
11:40-11:55	Invited	Songlin Zhang 张松林	Soft Functional Polymer Fiber/Film Materials and Their Green Processing Techniques	Ningbo Institute of Materials Technology & Engineering, CAS 中国科学院宁波材料技术与工程研究所

PARALLEL SESSION

Smart Fibers and Wearable Technology
智能纤维与可穿戴技术



Oct. 21, 2023 Afternoon (下午) Venue: Milan 3 (米兰厅 3)

Moderator: Hongzhi Wang

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Gang Sun 孙刚	Development of Point-of-Use, Highly Sensitive, and Highly Selective Biosensors: From Nanofibrous Membranes to Fibrous Framework Medium	University of California, Davis 加州大学戴维斯分校
13:20-13:40	Keynote	Hui Huang 黄辉	The Development of CASP Method	University of Chinese Academy of Sciences 中国科学院大学
13:40-14:00	Keynote	Yan Zhao 赵岩	Intrinsic Stretchable Semiconducting Polymers and Their Applications in Organic Field-Effect Transistors	Fudan University 复旦大学
14:00-14:20	Keynote	Jun Chen 陈俊	Smart Textiles for Personalized Health Care	University of California, Los Angeles 加州大学洛杉矶分校
14:20-14:40	Keynote	Xinge Yu 于欣格	Skin-Integrated Electronics for Healthcare Monitoring and VR/AR	City University of Hong Kong 香港城市大学
14:40-14:55	Invited	Jiangtao Di 邸江涛	Actuation of Nanocarbon Fibers by Electrochemical Ion Intercalation and Extraction for Artificial Muscles	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS 中国科学院苏州纳米技术与纳米仿生研究所
14:55-15:10	Invited	Yuchen Wu 吴雨辰	Liquid-Bridge Confined Patterning Towards Optoelectronic Devices	Technical Institute of Physics and Chemistry, CAS 中国科学院理化技术研究所

15:10-15:20 Coffee Break

Moderator: Zunfeng Liu

15:20-15:40	Keynote	Ziyi Ge 葛子义	Highly Efficient Organic Solar Cells	Ningbo Institute of Materials Technology&Engineering, CAS 中国科学院宁波材料技术与工程研究所
15:40-16:00	Keynote	Zunfeng Liu 刘遵峰	Power of Fiber Twist-High Performance and Functional Polymer Fibres	Nankai University 南开大学
16:00-16:20	Keynote	Qiangqiang Zhang 张强强	Controllable Preparation and Biological Properties of Porous Graphene Fibres	Lanzhou University 兰州大学
16:20-16:40	Keynote	Jiaqi Li 李佳琪	Essentials for Publishing with Wiley Materials Science Journals	Wiley
16:40-16:55	Invited	Pengbo Wan 万鹏博	Polymer Nanocomposites for Flexible Wearable Sensing Electronics	Beijing University of Chemical Technology 北京化工大学
16:55-17:10	Invited	Chuang Zhang 张闯	Magnetic Field Effects and Spin-related Phenomena in Molecular Materials	Institute of Chemistry Chinese Academy of Sciences 中国科学院化学研究所
17:10-17:25	Invited	Wenjin Guo 郭文瑾	Strong and Tough Fibres with Multiscale Oriented Structures by Nano-Pulley Combing	Nankai University 南开大学

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Smart Fibers and Wearable Technology
智能纤维与可穿戴技术

Oct. 22, 2023 Morning (上午) Venue: Milan 3 (米兰厅 3)

Moderator: Xiangyang Liu

Time	Type	Speaker	Title	Affiliation
09:00-09:20	Keynote	Xiangyang Liu 刘向阳	Mesoscopic Materials Engineering Strategies for Cocoon Silk Flexible Meso-Electronic/ Photonics	Xiamen University 厦门大学
09:20-09:40	Keynote	Dongge Ma 马东阁	Thermally Activated Delayed Fluorescence Blue OLEDs	South China University of Technology 华南理工大学
09:40-09:55	Invited	Yiwei Liu 刘宜伟	Flexible Wearable Sensitive Materials, Stress/ Strain Sensors and Applications	Ningbo Institute of Materials Technology and Engineering, CAS 中国科学院宁波材料技术与工程研究所
09:55-10:10	Invited	Zhaoling Li 李召岭	Fiber-Based Highly Sensitive Breathable Smart Electronic Skin	Donghua University 东华大学
10:10-10:25	Invited	Binghao Wang 王炳昊	Semiconductor/Insulating Polymer Blends for Versatile Transistors and Sensors	Southeast University 东南大学

10:25-10:35 Coffee Break

Moderator: Xuotong Zhang

10:35-10:55	Keynote	Xuotong Zhang 张学同	Aerogel Fibers: Design, Fabrication, and Functionalization	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS 中国科学院苏州纳米技术与纳米仿生研究所
10:55-11:15	Invited	Yue Lin 林悦	Manipulation of Thermal/Electric Transport via Nanoscale Interface Engineering	Fujian Institute of Research on the Structure, CAS 中国科学院福建物质结构研究所
11:15-11:30	Invited	Lizhen Huang 黄丽珍	Organic Semiconductor Thin Film Surface Interface Modulation and Sensing Applications	Soochow University 苏州大学
11:30-11:45	Invited	Haifeng Ling 凌海峰	Organic Phototransistor Memory for Visuomorphic Computing	Nanjing University of Posts and Telecommunications 南京邮电大学
11:45-12:00	Invited	Pengchao Si 司鹏超	A Low Cost and Effective Strategy for Constructing P/Sn Multifunctional Protective Layer on Li/ Garnet Interface	Shandong University 山东大学

PARALLEL SESSION

Smart Fibers and Wearable Technology
智能纤维与可穿戴技术



Oct. 22, 2023 Afternoon (下午) Venue: Milan 3 (米兰厅 3)

Moderator: Caofeng Pan

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Caofeng Pan 潘曹峰	Low-Dimensional Semiconductor Materials for Stretchable Electronics and Tactile Sensing	Beijing Institute of Nanoenergy and Nanosystems, CAS 中国科学院北京纳米能源与系统研究所
13:20-13:40	Keynote	Ting Zhang 张琨	Smart Flexible Sensing Electronics and Applications	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS 中国科学院苏州纳米技术与纳米仿生研究所
13:40-13:55	Invited	Jian Fang 方剑	Electroactive Fibers and Their Application in Smart Textiles	Soochow University 苏州大学
13:55-14:10	Invited	Baiquan Liu 刘佰全	Manipulation of Charge and Exciton Distribution for White OLEDs/Colloidal Quantum Well LEDs	Sun Yat-sen University 中山大学
14:10-14:25	Invited	Jiahui Li 李佳慧	Three-Dimensional Construction of Low-Dimensional Semiconductor Nanomaterials and Their Applications in Wearable Electronics	Nanjing University of Posts and Telecommunications 南京邮电大学
14:25-14:40	Invited	Qinglin Jiang 蒋庆林	Ferromagnetic Organic Semiconductors-Chemical Contributions to the Frontiers of Condensate Physics	South China University of Technology 华南理工大学
14:40-14:55	Invited	Wei Fan 樊威	Design and Preparation of Smart Fibres and Assemblies	Xi'an Polytechnic University 西安工程大学
14:55-15:10	Invited	Yang Guo 郭洋	Products & Technologies for Personal Thermal Management	Shanghai Wearable Technology Co., Ltd. 上海未乐科技有限公司

15:10-15:20 Coffee Break

Moderator: Dong Wang

15:20-15:40	Keynote	Dong Wang 王栋	Construction and Industrial Application of Fiber-Based Wearable Devices and Health Management Platform	Wuhan Textile University 武汉纺织大学
15:40-16:00	Keynote	Guangming Chen 陈光明	Thermoelectric Fibers and Wearable Applications	Shenzhen University 深圳大学
16:00-16:15	Invited	Peijun Xu 许培俊	Investigation on Color Carbon Fiber and Its Discoloration Response	Chang'an University 长安大学
16:15-16:30	Invited	Yong Du 杜永	Flexible Carbon Nanotube Film/Conducting Polymer Composite Thermoelectric Materials for Wearable Electronics	Shanghai Institute of Technology 上海应用技术大学
16:30-16:45	Invited	Zhigang Xia 夏治刚	Advanced Fibre Hierarchical Aggregation and Encapsulation Liquid-Fluid Yarn Formation Technology and its Functional Textile Development	Wuhan Textile University 武汉纺织大学

PARALLEL SESSION



Smart Fibers and Wearable Technology
智能纤维与可穿戴技术

Oct. 23, 2023 Morning (上午) Venue: Milan 3 (米兰厅 3)

Moderator: Jiahui Li

Time	Type	Speaker	Title	Affiliation
09:10-09:20	Oral	Marjan Haghayegh	Hierarchically Spring Wrinkled Triboelectric Nanogenerators for Highly Comfortable Wearable E-textiles	Donghua University 东华大学
09:20-09:30	Oral	Shan Jiang 姜珊	Bioinspired Thermochromic Textile Based on Robust Cellulose Aerogel Fiber for Self-adaptive Thermal Management and Dynamic Labels	Sichuan University 四川大学
09:30-09:40	Oral	Xinyuhang Zhang 张信宇航	Liquid Crystal Elastomer Single Fiber Actuator With Integrated Sensing Capability	Tsinghua University 清华大学
09:40-9:500	Oral	Jian Chang 常健	White Photothermal Fabrics: A Bridge Between Pragmatism and Aesthetic	Stockholm University 斯德哥尔摩大学
09:50-10:00	Oral	Jiazhe Ma 马佳哲	Functionalized Color-Changing Cholesteric Phase Liquid Crystal Elastomers	Tsinghua University 清华大学
10:00-10:10	Oral	Mengxi Gu 顾梦溪	High-Sensitivity, Ultrawide Linear Range, Antibacterial Textile Pressure Sensor Based on Chitosan/MXene Hierarchical Architecture	Shenzhen Institute of Advanced Technology Chinese Academy of Sciences 中国科学院深圳先进技术研究院

10:10-10:30 Coffee Break

Moderator: Yang Guo

10:30-10:40	Oral	Jiahao Sun 孙家豪	Liquid Crystal Elastomer Fibers Construct Flexible Fabric Drives	Tsinghua University 清华大学
10:40-10:50	Oral	Azam Ali	Silver-plated Stretchable Elastomeric Electrodes for Electrotherapy Applications	Technical University of Liberec 利贝雷茨工业大学
10:50-11:00	Oral	Bin Gu 顾斌	Self-assembled Hierarchical Flexible Nanofiber Textile Embedded with Phase Change Microcapsules for Efficient Personal Thermal Management	Southeast University 东南大学
11:00-11:10	Oral	Xue Ma 马雪	A multifunctional Cellulose Nanocrystal/metal Oxide Flame Retardant and Their Reinforcement in Nylon 66	Zhejiang Sci-Tech University 浙江理工大学
11:10-11:20	Oral	Ruixin Gong 龚瑞芯	A Simple Mineralization Strategy to Obtain Robust Regenerated Silk Fibroin Fibers	Zhejiang Sci-Tech University 浙江理工大学
11:20-11:30	Oral	Yunyun Zhang 张云云	Design of Renewable Green Flame Retardant and Simultaneously Improve the Flame Retardancy, Antibacterial and UV Resistance of Polyamide 66 Fabric	Zhejiang Sci-Tech University 浙江理工大学
11:30-11:40	Oral	Jun Gao 高俊	Application of Wearable Detection Device Based on Biosys System	Shenzhen Refresh Biosensing Technology Co., Ltd. 深圳刷新生物传感科技有限公司

PARALLEL SESSION

Biomedical Fibers and Polymers
生物医用纤维与聚合物



Oct. 21, 2023 Morning (上午) Venue: Lily 1 (百合厅 1)

Moderator: João Rodrigues, Xiangyang Shi

Time	Type	Speaker	Title	Affiliation
09:30-09:40	Opening remark			
09:40-10:10	Plenary	Mengqiu Xing 邢孟秋	Conductive and elastic hydrogel for heart repair	University of Manitoba 曼尼托巴大学
10:10-10:30	Keynote	Jianjun Cheng 程建军	Synthesis of polypeptides via bioinspired polymerization of in situ purified N-carboxyanhydrides	Westlake University 西湖大学
10:30-10:50	Keynote	Ling Peng 彭玲	Self-assembling dendrimers for biomedical applications	French National Scientific Research Center 法国国家科学研究中心
10:50-11:05	Invited	Claire Mangeney	Hybrid nanosystems composed of plasmonic nanoparticles and polymer layers for sensing, anticounterfeiting and bioimaging applications	University Paris Descartes 巴黎第五大学 (巴黎笛卡尔大学)
11:05-11:20	Invited	Serge Mignani	Exploration of anti-tuberculosis drug space: from natural compounds to phosphorus dendrimers as nanodrugs	University of Madeira 马德拉大学
11:20-11:35	Invited	João Rodrigues	Hybrid Nanoplatforms Based on Carbon Dots and Dendrimers	Universidade da Madeira
11:35-11:45	Oral	Wenjing Zhang 张雯静	Statistic Copolymers Working as Growth Factor-Binding Mimics of Fibronectin	Shanghai General Hospital 上海市第一人民医院
11:45-11:55	Oral	Mahesh Kumar Joshi	"Electrospun nanofiber reinforced hydrogel scaffolds for tissue engineering applications	Liaocheng University 聊城大学

PARALLEL
SESSION

E

Biomedical Fibers and Polymers
生物医用纤维与聚合物

Oct. 21, 2023 Afternoon (下午) Venue: Lily 1 (百合厅 1)

Moderator: Chuangliang Feng, Runhui Liu

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Youqing Shen 申有青	Multipotent carrier-based translational anticancer nanomedicine	Zhejiang University 浙江大学
13:20-13:40	Keynote	Yezi You 尤业宇	Small molecules capping PS on cancer cells deeply inhibits PD-L1 expression and highly augments cancer immunotherapy	University of Science and Technology of China 中国科学技术大学
13:40-14:00	Keynote	Zhiyong Qian 钱志勇	Construction and Biomedical Applications of Nanobiomaterials	Sichuan University 四川大学
14:00-14:20	Keynote	Yucai Wang 王育才	Biointeraces between nanoparticles and blood vessels	University of Science and Technology of China 中国科学技术大学
14:20-14:35	Invited	Lei Zhang 张雷	Development and applications of novel antifreezing molecules	Tianjin University 天津大学
14:35-14:50	Invited	Jiajia Xue 薛佳佳	Electrospun nanofibers for tissue repair and regeneration	Beijing University of Chemical Technology 北京化工大学
14:50-15:05	Invited	Zhengwei You 游正伟	Biomimetic elastomers, 3D printing, and their biomedical applications	Donghua University 东华大学
15:05-15:15	Oral	Nuo Yu 余诺	Studies on X-ray-induced therapy and radiation-protective fabrics/coatings	Donghua University 东华大学

15:15 – 15:30 Coffee Break

Moderator: Youqing Shen, Yezi You

15:30-15:50	Keynote	Chuanliang Feng 冯传良	Bioinspired Chiral Hydrogels	Shanghai Jiao Tong University 上海交通大学
15:50-16:10	Invited	Zhe Wang 王哲	Frontier Development of Particle Characterization Methods New Nanoparticle Analysis Technology	Resun (Shenzhen) Technology Co., Ltd. 瑞芯智造 (深圳) 科技有限公司
16:10-16:30	Keynote	Runhui Liu 刘润辉	Host Defense Peptide Mimicking Antimicrobial Poly(2-Oxazoline)s	East China University of Science and Technology 华东理工大学
16:30-16:45	Invited	Jinming Hu 胡进明	Synthesis and Biomedical Applications of Gasotrasmmitter-Releasing Macromolecules	University of Science and Technology of China 中国科学技术大学
16:45-17:00	Invited	Wenguo Cui 崔文国	Electrospun Fibers for Preventing Peritendinous Adhesion	Ruijin Hospital, Shanghai Jiaotong University School of Medicine 上海交通大学医学院附属瑞金医院
17:00-17:15	Invited	Jingchao Li 李静超	Responsive organic nanoagents for cancer immunotherapy	Donghua University 东华大学
17:15-17:25	Oral	Huixia Xuan 轩慧霞	A transparent and injectable PGS-based polymer for glaucoma therapy	Donghua University 东华大学

PARALLEL SESSION

Biomedical Fibers and Polymers
生物医用纤维与聚合物



Oct. 22, 2023 Afternoon (下午) Venue: Lily 1 (百合厅 1)

Moderator: Jian Ji, Bin Li

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Zhongze Gu 顾忠泽	Human Organs-on-chips	Southeast University 东南大学
13:20-13:40	Keynote	Liming Bian 边黎明	Hydrogel with biomimetic structural dynamics for 3D culture	South China University of Technology 华南理工大学
13:40-13:55	Invited	Yunlu Dai 代云路	Metal-Coordination Biomaterials for Cancer Therapy	University of Macau 澳门大学
13:55-14:10	Invited	Kui Luo 罗奎	Dendric polymers to regulate tumor cell metabolism	Sichuan University 四川大学
14:10-14:25	Invited	Wei Feng 冯炜	Stimuli-responsive polymeric biomaterials	Shanghai University 上海大学
14:25-14:40	Invited	Jifu Mao 毛吉富	Injectable Conductive Fibers and Barbed Patches for Immediate Mechanical-Electrical Integration in Myocardial Infarction Repair	Donghua University 东华大学
14:40-14:55	Invited	Liliang Ouyang 欧阳礼亮	3D bioprinting of hydrogel fibers for tissue engineering	Tsinghua University 清华大学
14:55-15:05	Oral	Shuo Chen 陈硕	Nonadjacent Wireless Electrotherapy for Tissue Repair by a 3D Printed Bioresorbable Fully Soft Triboelectric Nanogenerator	Donghua University 东华大学

15:05-15:25 Coffee Break

Moderator: Kui Luo, Yunlu Dai

15:25-15:45	Keynote	Jian Ji 计剑	Combinatorial Discovery of Antibacterials via Machine Learning Workflow	Zhejiang University 浙江大学
15:45-16:05	Keynote	Bin Li 李斌	Intervertebral disc regeneration: materials and mechanics	Soochow University 苏州大学
16:05-16:20	Invited	Su Chen 陈苏	The strategy of microfluidic fiber spinning chemistry and 3D bioprinting	Nanjing Tech University 南京工业大学
16:20-16:35	Invited	Tong Wu 吴桐	Electrospun nanofiber scaffolds for cell behavior regulation and tissue repair	Qingdao University 青岛大学
16:35-16:50	Invited	Yanchao Mao 毛彦超	Polymer-Based Flexible Electronics for Biomedical Monitoring	Zhengzhou University 郑州大学
16:50-17:05	Invited	Wanjun Liu 刘万军	3D islet encapsulation device for treating type 1 diabetes	Donghua University 东华大学
17:05-17:15	Oral	Wei Sun 孙巍	Design, Fabrication, and Applications of Elastic Conductive Fibers.	Donghua University 东华大学
17:15-17:25	Oral	Dong Lei 雷东	3D printing bioelastomer for cartilage regeneration	Ninth People's Hospital Affiliated to Shanghai Jiao Tong University 上海交通大学附属第九人民医院
17:25-17:35	Oral	Yueming Wu 武月铭	Study on rapid synthesis and antimicrobial function of peptide polymers	East China University of Science and Technology 华东理工大学

E

Biomedical Fibers and Polymers
生物医用纤维与聚合物

PARALLEL SESSION

Oct. 23, 2023 Morning (上午) Venue: Lily 1 (百合厅 1)

Moderator: Tao Yi, Zhou Li

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Keynote	Jian Yang 杨健	Citrate-Based Osteopromotive Devices for Orthopedic Regenerative Engineering	Westlake University 西湖大学
08:50-09:10	Keynote	Chuanglong He 何创龙	3D printing of vascularized and innervated tissue engineered bone	Donghua University 东华大学
09:10-09:25	Invited	Xiaoxuan Liu 刘潇璇	Amphiphilic dendrimer based nanosystems as on-demand delivery platform for nucleic acid therapeutics	China Pharmaceutical University 中国药科大学
09:25-09:40	Invited	Zhigang Chen 陈志钢	Activatable organic-inorganic hybrid biomaterials	Donghua University 东华大学
09:40-09:55	Invited	Xiaoran Li 李晓然	Design of fibrous composite materials for hemostasis and wound repair	Donghua University 东华大学
09:55-10:05	Oral	Luzhi Zhang 张璐之	Multifunctional poly(oxime-urethanes) and its biomedical applications	Shenzhen Children's Hospital 深圳市儿童医院

10:05-10:20 Coffee Break

Moderator: Jian Yang, Chuanglong He

10:20-10:40	Keynote	Tao Yi 易涛	Activatable release systems for diagnosis and treatment	Donghua University 东华大学
10:40-11:00	Keynote	Zhou Li 李舟	Self-powered biosensor devices and their applications	Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences 中国科学院北京纳米能源与系统研究所
11:00-11:15	Invited	Qianqian Su 苏倩倩	Enhancement of lanthanide luminescence by controlling ion arrangement at nanoscale	Shanghai University 上海大学
11:15-11:30	Invited	Yun Qian 钱运	Peripheral Nerve Injury and Regenerative Microenvironment	Shanghai Jiao Tong University Affiliated Sixth People's Hospital 上海交通大学附属第六人民医院
11:30-11:40	Oral	Zhentan Lu 鲁振坦	The design of anti-infective fiber wound dressing based on the emulative bacterial adhesion strategy	Wuhan Textile University 武汉纺织大学
11:40-11:50	Oral	Qi Chen 陈琦	The discovery of new molecules promoting cell adhesion and universal modification to render diverse materials bioactivation	East China University of Science and Technology 华东理工大学
11:50-12:00	Oral	Hongfei Huang 黄洪飞	Biocompatible and degradable ionic elastomers for bioelectronics	Donghua University 东华大学

PARALLEL SESSION

Biomedical Fibers and Polymers
生物医用纤维与聚合物



Oct. 23, 2023 Afternoon (下午) Venue: Lily 1 (百合厅 1)

Moderator: Xiaogang Liu, Xiaolei Zuo

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Dayong Yang 仰大勇	DNA-Based Materials for Diagnosis and Therapeutics	Tianjin University/Fudan University 天津大学 / 复旦大学
13:20-13:40	Keynote	Xiangyang Shi 史向阳	Dendrimer-facilitated design of nanomedicines to boost cancer immunotherapy	Donghua University 东华大学
13:40-13:55	Invited	Yun Luo 罗韵	Hybrid microgels as versatile biomedical platform for bio imaging and cancer treatment	Universite Paris Cité 巴黎西岱大学
13:55-14:10	Invited	Yong Hu 胡勇	Nanocomposite DNA Hydrogels	Tongji University 同济大学
14:10-14:25	Invited	Shihui Wen 温诗辉	Biomedical application of polymer-functionalized lanthanide-doped nanoprobes	University of Technology, Sydney 悉尼科技大学
14:25-14:35	Oral	Juan Wang 王娟	Endogenous Electric Fields-Coupled Electrospun Short Fiber via Collecting Wound Exudation	Ruijin Hospital, Shanghai Jiaotong University School of Medicine 上海交通大学医学院附属瑞金医院
14:35-14:45	Oral	Sihan Jiang 姜思涵	Intrinsically cryopreservable, bacteriostatic, durable glycerohydrogel inks for 3D bioprinting	Donghua University 东华大学

14:45-15:10 Coffee Break

Moderator: Dayong Yang, Xiangyang Shi

15:10-15:40	Plenary	Xiaogang Liu 刘小刚	Lanthanide Transducers for Advanced Imaging and Assistive Technology	National University of Singapore 新加坡国立大学
15:40-16:00	Keynote	Xiaolei Zuo 左小磊	DNA Frameworks-based Biosensors	Shanghai Jiao Tong University 上海交通大学
16:00-16:15	Invited	Nan Jiang 姜楠	Multiplexed Flexible Optical Chemical Fiber Sensors for Dynamic Monitoring	Sichuan University 四川大学
16:15-16:30	Invited	Yujie Xie 谢雨洁	Crystallization-Driven Self-Assembly of Biocompatible Polymers: From Synthesis to Biomedical Applications	Shanghai University 上海大学
16:30-16:40	Oral	Zhipeng Ni 倪志鹏	Time-Space Regulating Nanohybrid Prodrug Hydrogels for Prevention of Peritendinous Adhesion	Southern University of Science and Technology 南方科技大学
16:40-16:50	Oral	Geli Li 李榕丽	Study on SFNPs/BNC tubes loaded with heparin for small caliber artificial blood vessels	Donghua University 东华大学
16:50-17:00	Oral	He Xu 徐合	A Self-Powered Hydrogel/Nanogenerator System Accelerates Wound Healing by Electricity-Triggered On-Demand Phosphatase and Tensin Homologue (PTEN) Inhibition	Shanghai Normal University 上海师范大学

F

Environmentally Friendly Fibers and Polymers
环境友好纤维及聚合物

PARALLEL SESSION

Oct. 21, 2023 Morning (上午) Venue: Milan 1 (米兰厅 1)

Moderator: Zhisong Lu

Time	Type	Speaker	Title	Affiliation
09:30-09:40	Opening remark			
09:40-10:10	Plenary	Rui L. Reis	High-throughput Tissue Engineering Strategies and Ways to Engineer Different Complex In Vitro Models Using Natural Biomaterials and Cells	University of Minho 葡萄牙米尼奥大学
10:10-10:35	Keynote	Juan P. Hinestroza	Textile waste as a raw material: Upcycling of polyester fabrics into functional metal-organic frameworks	Cornell University (on line) 康奈尔大学
10:35-11:00	Invited	Manhong Huang 黄满红	Preparation and Application of Nanofiber Water Treatment Membranes	Donghua University 东华大学
11:00-11:25	Invited	Shengjie Ling 凌盛杰	Structure, Preparation and Characterization of Nanosilk	ShanghaiTech University 上海科技大学
11:25-11:37	Oral	Fucheng Guan 管福成	Studies on the preparation and application of alginate-based aerogel fibers	Dalian Polytechnic University 大连工业大学
11:37-11:49	Oral	Hui Li 李慧	Preparation and application of environmentally friendly fiber paper-based composites	Xinjiang Institute of Physical and Chemical Technology, CAS 中国科学院新疆理化技术研究所
11:49-12:01	Oral	Huan Xu 徐欢	Electroactive PLA Fibrous Membranes for Respiratory Healthcare and Intelligent Monitoring	China University of Mining and Technology 中国矿业大学

PARALLEL SESSION

Environmentally Friendly Fibers and Polymers
环境友好纤维及聚合物

F

Oct. 21, 2023 Afternoon (下午) Venue: Milan 1 (米兰厅 1)

Moderator: Gang Li, Qinye Bao

Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Xungai Wang 王训该	Nature's Wonder Fiber Materials and Structures	The Hong Kong Polytechnic University 香港理工大学
13:25-13:50	Invited	Zhongqiang Yang 杨忠强	Smart responsive liquid crystal elastomer fibers	Tsinghua University 清华大学
13:50-14:15	Invited	Qinye Bao 保秦烨	Interface Energetics and Energy Loss: from Organic Photovoltaics to Perovskite Photovoltaics	East China Normal University 华东师范大学
14:15-14:40	Invited	Tianyu Xue 薛天宇	Surface plasmon resonance biosensor based on 2D materials	Yanshan University 燕山大学
14:40-15:05	Invited	Xiaoqin Wang 王晓沁	Sustainable Solutions for CO2 Capture and Environmental Applications: From Biodegradable Aerogels to Functional Fabrics	Soochow University 苏州大学
15:05-15:17	Oral	Chaoxi Wu 吴朝希	Bacterial Derived Beta-glucan Nanofiberous Biomaterials	Jinan University 暨南大学
15:17-15:35	Coffee Break			
15:35-16:00	Keynote	Ana L. Oliveira	From gels to 3D architectures: the potential of silk in wound healing and regeneration	Universidade Católica Portuguesa 葡萄牙天主教大学
16:00-16:25	Invited	Gang Li 李刚	Advances of Calotropis gigantea fiber and its eco-functional textiles	Soochow University 苏州大学
16:25-16:50	Invited	Xiang Zhou 周湘	Protein-Like Nanogel for Spinning Hierarchically Structured Artificial Spider Silk	China Pharmaceutical University 中国药科大学
16:50-17:15	Invited	Qiyu Wang 王其钰	Introduction to surface analysis technology and its application	Institute of Physics Chinese Academy of Sciences 中国科学院物理研究所
17:15-17:40	Invited	Suna Fan 范苏娜	Silk fibroin-based intelligent bio-electronic device	Donghua University 东华大学
17:40-17:52	Oral	Baoxiu Wang 王宝秀	Biocompatible bacterial cellulose based biofilms with improved ion transport for salinity power generation	Shanghai University of Engineering Science 上海工程技术大学
17:52-18:04	Oral	Zhaozhu Zheng 郑兆柱	Structurally Stabilized Silk Hydrogel with Enhanced Mechanical and Optical Properties for Biomedical Applications	Soochow University 苏州大学

F

Environmentally Friendly Fibers and Polymers
环境友好纤维及聚合物

PARALLEL
SESSION

Oct. 22, 2023 Morning (上午) Venue: Milan 1 (米兰厅 1)

Moderator: Tianyu Xue, Xingui Li

Time	Type	Speaker	Title	Affiliation
08:30-08:55	Keynote	Takeshi Kikutani	Verification of the Physical Deterioration of Recycled PP through the on-line measurement of melt spinning behavior	Tokyo Institute of Technology 东京工业大学
08:55-09:20	Invited	Xingui Li 李新贵	Preparation of poly- γ -glutamic acid in natto mucus with multiple physiological effects	Tongji University 同济大学
09:20-09:45	Invited	Xiang Yao 姚响	Silk-based biomimetic and intelligent cartilage scaffold	Donghua University 东华大学
09:45-09:57	Oral	Han Shang 尚涵	Efficient Respiratory Healthcare and Intelligent Monitory by Electroactive Poly(lactic acid) Protective Membrane	China University of Mining and Technology 中国矿业大学
09:57-10:09	Oral	Min Zhou 周敏	Controllable Synthesis of β -amino acid Polymers Via Water-tolerant β -NTA Polymerization	East China University of Science and Technology 华东理工大学
10:09-10:25	Coffee Break			
10:25-10:50	Invited	Zhisong Lu 鲁志松	Yarn-based microfluidic devices toward wearable applications	Southwest University 西南大学
10:50-11:15	Invited	Chengchen Guo 郭成辰	Molecular design and controlled preparation of high-toughness silk protein-based films	Westlake University 西湖大学
11:15-11:40	Invited	Jing Hu 胡静	Odor adjustment of collagen fibers	Shanghai Institute of Technology 上海应用技术大学
11:40-11:52	Oral	Jianming Chen 陈剑铭	Spider silk self-assembly mechanism and biomimetic spinning design	Hong Kong Polytechnic University 香港理工大学
11:52-12:04	Oral	Xinyu Li 李欣雨	Biodegradable Electroactive Nanofibrous Filters for Effective Air Filtration and Self-Powered Monitoring	China University of Mining and Technology 中国矿业大学
12:04-12:16	Oral	Hlobsile Kgomo	Processing of A. mimosae Wild Silk Fibroin and Fabrication of Films and Nanofibers	University of South Africa 南非大学

PARALLEL SESSION

Fibers and Polymers for Energy Applications
能源用纤维与聚合物

G

Oct. 21, 2023 Morning (上午) Venue: Guangzhouzhou Hall (广州厅)

Moderator: Wei Luo, Qi Xiao

Time	Type	Speaker	Title	Affiliation
09:30-09:50	Invited	Jingsan Xu 许景三	Liquids interfacial catalysis and photocatalysis with new protocols	Queensland University of Technology 昆士兰科技大学
09:50-10:10	Invited	Jixin Zhu 朱纪欣	Lithium battery energy storage and fire safety	University of Science and Technology of China 中国科学技术大学
10:10-10:30	Invited	Zhe Wang 王哲	Construction of three-dimensional highly stable transport channels for N-spirocyclic cations by electrostatic spinning technology	Changchun University of Technology 长春工业大学

10:30-10:40 Coffee Break

Moderator: Xiaopeng Li, Chao Lin

10:40-11:00	Invited	Tianrong Zhan 詹天荣	Regulating Pt electronic properties on NiFe layered double hydroxide interface for highly efficient alkaline water splitting	Qingdao University of Science and Technology 青岛科技大学
11:00-11:20	Invited	Lifeng Chen 陈立锋	Design and preparation of biomass-derived carbon nanomaterials for electrochemical energy storage devices	University of Science and Technology of China 中国科学技术大学
11:20-11:40	Invited	Liuqing Yang 杨柳青	Porous Sn ₃ O ₄ nanosheets on PPy hollow rod with photo-induced electrons oriented migration for enhanced visible-light hydrogen production	Nanjing Forestry University 南京林业大学
11:40-12:00	Invited	Tianyu Liu 刘田宇	Data figures in manuscripts: pearls & pitfalls	Wiley



Fibers and Polymers for Energy Applications
能源用纤维与聚合物

PARALLEL SESSION

Oct. 23, 2023 Morning (上午) Venue: Guangzhouzhou Hall (广州厅)

Moderator: Jingsan Xu, Hengyi Lu

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Invited	Jianwei Nai 俱建威	Micro-nano assembly of electrocatalytic materials	Zhejiang University of Technology 浙江工业大学
08:50-09:10	Invited	Yan Wang 王岩	Controllable preparation, defect regulation of copper-based catalyst for electrochemical conversion of small molecules	Hefei University of Technology 合肥工业大学
09:10-09:30	Invited	Qing Xu 徐庆	Construction of covalent organic frameworks for electrocatalysis	Shanghai Advanced Research Institute, CAS 中科院上海高等研究院
09:30-09:50	Invited	Hao Jia 贾浩	High-performance fiber and polymer materials for aqueous Zn ion storage application	Jiangnan University 江南大学
09:50-10:10	Invited	Yan Wang 王燕	Permeable electronic skins for health monitoring	Guangdong Technion-Israel Institute of Technology 广东以色列理工学院
10:10-10:30	Invited	Chao Lin 林超	Electrocatalytic valorization of methanol to methyl formate at the commercially relevant current density	Donghua University 东华大学

10:30-10:40 Coffee Break

Moderator: Jingjing Zhang, Xingguang Zhang

10:40-11:00	Invited	Chaohua Xue 薛朝华	Sustainable thermochromic coating for self-adaptive radiative cooling and solar warming	Shaanxi University of Science and Technology 陕西科技大学
11:00-11:20	Invited	Fei Wang 王飞	Highly reversible zinc-air batteries based on the 2-electron ORR/OER chemistry	Fudan University 复旦大学
11:20-11:40	Invited	Jian Zhao 赵建	Switching reaction pathway in organic transformation by manipulating light sources and nanomaterials	Tianjin University of Technology 天津理工大学
11:40-12:00	Invited	Zhe Liu 刘哲	Partnering with Wiley	Wiley

PARALLEL SESSION

Fibers and Polymers for Energy Applications
能源用纤维与聚合物



Oct. 23, 2023 Afternoon (下午) Guangzhouzhou Hall (广州厅)

Moderator: Chao Lin, Xiaopeng Li

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Invited	Xingguang Zhang 张兴光	Control of surface functional groups over catalyst nanoparticles for applications in selective catalytic reactions and chemical fiber modifications	University of Shanghai for Science and Technology 上海理工大学
13:20-13:40	Invited	Hengyi Lu 鲁恒毅	Polymer-based hydrogel for clean water production	Shanghai Advanced Research Institute, CAS 中科院上海高等研究院
13:40-14:00	Invited	Han Zhu 朱罕	Nanofiber-based integrated electrode for electrocatalytic conversion of nitrogen-containing small molecules	Jiangnan University 江南大学
14:00-14:20	Invited	Jun Wang 王俊	Tunable construction of efficient cathode catalysts and research on energy storage mechanisms for Li-O ₂ batteries	Shandong University 山东大学
14:20-14:40	Invited	Jinchen Fan 范金辰	Study on the application of aramid nanofibers in rechargeable battery	University of Shanghai for Science and Technology 上海理工大学
14:40-15:00	Invited	Jingjing Zhang 张晶晶	Interface engineering in polymer-ceramic nanofiber composite electrolyte	Donghua University 东华大学

15:20-15:35 Coffee Break

Moderator: Guiyin Xu, Qi Xiao

15:10-15:30	Invited	Ji Qian 钱骥	Key materials for high-energy Li-S batteries	Beijing Institute of Technology 北京理工大学
15:30-15:50	Invited	Zaifang Li 李在房	Fabrication of highly conductive PEDOT and its applications on electronic and energy devices	Jiaxing University 嘉兴学院
15:50-16:10	Invited	Zengming Man 满增明	Methodology synthetic of effective conjugated organic materials in energy harvesting and storage	Zhejiang Sci-Tech University 浙江理工大学
16:10-16:30	Invited	Yucong Jiao 焦玉聪	Constructing high performance polymer electrolyte for aqueous batteries	Donghua University 东华大学
16:30-16:50	Invited	Ping Nie 聂平	High capacity anode materials for rechargeable batteries	Jilin Normal University 吉林师范大学
16:50-17:10	Invited	Mikhail Vagin	Electrocatalysis on intrinsically conducting polymers	Linköping University 林雪平大学
17:10-17:20	Oral	Hongxia Luo 罗红霞	Interfacial design of iron-based catalysts for electrocatalytic nitrate reduction	Donghua University 东华大学
17:20-17:30	Oral	Haifeng Wang 王海凤	Atomic-scale catalysts: investigation of structural design and catalytic performance	Donghua University 东华大学

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Fibers and Devices for Information, Chips and AI
Technology and Its Interdisciplinary Areas
信息, 芯片, AI 技术用纤维与器件及其交叉领域

PARALLEL SESSION

Oct. 21, 2023 Morning (上午) Venue: Paris (巴黎厅)

Moderator: Wei Gao

Time	Type	Speaker	Title	Affiliation
09:20-09:40	Keynote	Wei Gao	Skin-Interfaced Wearable Biosensors	California Institute of Technology 加州理工学院
09:40-10:00	Keynote	Tong Lin 林童	Piezoelectric and Acoustoelectric Properties of Electrospun Nanofibers	Tiangong University 天津工业大学
10:00-10:15	Invited	Zhe Wang 王哲	Advanced Sensing Fibers for Smart Fabrics	Jilin University 吉林大学
10:15-10:30	Invited	Desheng Kong 孔德圣	High Safety and High Performance Fiber Batteries Are Constructed Based on Polymer Materials	Nanjing University 南京大学
10:30-10:45	Invited	Zhijun Ma 马志军	Breathable Stretchable Electronic Materials and Devices Based on Liquid Metal Composite Fibers	Zhijiang Lab 之江实验室
10:45-11:00	Invited	Hong Liu 刘宏	Cross Disciplinary Research on Medical Engineering for Point-of-Care Testing	Southeast University 东南大学

Moderator: Wei Yan

11:00-11:15	Invited	Sisi He 何思斯	Flexible Wearable Sensing Fiber/Fabric System	Harbin Institute of Technology, Shenzhen 哈尔滨工业大学, 深圳
11:15-11:30	Invited	Fengyun Wng 王凤云	Research on Synaptic Transistors Based on Metal Oxide Nanowires	Qingdao University 青岛大学
11:30-11:45	Invited	Liu Wang 王柳	Magnetically Controlled Microfiber Robot for Cerebral Small Vessel Embolization	University of Science and Technology of China 中国科学技术大学
11:45-12:00	Invited	Zhen Fan 樊贞	Ferroelectric Synapses for Neuromorphic Computing	South China Normal University 华南师范大学
12:00-12:15	Invited	Ya Yang 杨亚	Hybridized and Coupled Nanogenerators	Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences 中国科学院北京纳米能源与系统研究所

PARALLEL SESSION

Fibers and Devices for Information, Chips and AI Technology and Its Interdisciplinary Areas
信息, 芯片, AI 技术用纤维与器件及其交叉领域

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Oct. 21, 2023 Afternoon (下午) Huanghe Hall B (黄河厅 B)

Moderator: Lei Wei

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Keynote	Lei Wei	Thermally Drawn Advanced Functional Semiconductor Fibers	Nanyang Technological University 南洋理工大学
13:20-13:40	Keynote	Guoying Gu 谷国迎	Thin Film Fabric Artificial Muscle and Its Application In Soft Robot	Shanghai Jiao Tong University 上海交通大学
13:40-14:00	Keynote	Xiaoshi Qian 钱小石	Solid State Refrigeration Enabled By Ferroelectric Polymer	Shanghai Jiao Tong University 上海交通大学
14:00-14:15	Invited	Xing Sheng 盛兴	Implantable Optoelectronic Neuromodulation and Detection Device	Tsinghua University 清华大学
14:15-14:30	Invited	Jue Deng 邓珏	Bioadhesive Electronic Fibers for Atraumatic Epicardial Monitoring and Pacing	Fudan University 复旦大学
14:30-14:45	Invited	Changsheng Wu	Wireless, Skin-Interfaced Optical and Mechano-Acoustic Sensors for Deep-Tissue Monitoring	National University of Singapore 新加坡国立大学
14:45-15:00	Invited	Chuanfang Zhang 张传芳	Multifunctional Mxene Conductive Ink Printed Energy Electronics	Sichuan University 四川大学
15:00-15:15	Invited	Qichong Zhang 张其冲	Ion Regulated Multifunctional Fiber Device and Its Application	Suzhou Institute of Nano-Tech and Nano-Bionics SINANO, Chinese Academy of Sciences 中国科学院苏州纳米技术与纳米仿生研究所
15:15-15:30	Invited	Daosheng Deng 邓道盛	Fabrication of Advanced Functional Fibers and Smart Fabrics By Thermal Drawing Process: Control of Fluid Instability To Achieve A Variety of Ordered Micro-Nano Structures	Fudan University 复旦大学

15:30-15:45 Coffee Break

Moderator: Wei Yan

15:45-16:05	Keynote	Yingying Zhang 张莹莹	Carbon-Based Flexible Electronic Fibers and Smart Fabrics	Tsinghua University 清华大学
16:05-16:25	Keynote	Cheng Song 宋成	Magneto-Acoustic Coupling Materials and Devices	Tsinghua University 清华大学
16:25-16:40	Invited	Shery Huang	Fibre Biofabrication for Bioelectronics	University of Cambridge 剑桥大学
16:40-16:55	Invited	Yuanjing Lin 林苑菁	Flexible Micro/Nano Electrochemical Devices and Integrated Sensing Systems	Southern University of Science and Technology 南方科技大学
16:55-17:10	Invited	Heling Wang 王禾翎	Shape Programmable Soft Surface	Tsinghua University 清华大学
17:10-17:25	Invited	Hao Sun 孙浩	Intelligent 3D Printing of Controllable Stiffness Fabrics for Wearable Robots	Shanghai Jiao Tong University 上海交通大学
17:25-17:40	Invited	Yifan Wang 王一凡	Intelligent 3D Printing of Controllable Stiffness Fabrics for Wearable Robots	Nanyang Technological University 南洋理工大学

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Fibers and Devices for Information, Chips and AI
Technology and Its Interdisciplinary Areas
信息, 芯片, AI 技术用纤维与器件及其交叉领域

PARALLEL SESSION

Oct. 22, 2023 Morning (上午) Venue: Huanghe Hall B (黄河厅 B)

Moderator: Lei Wei

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Keynote	Xuanhe Zhao 赵选贺	Hydrogel Electro-Optical Fibers	Massachusetts Institute of Technology 麻省理工学院
08:50-09:15	Plenary	Xiaoming Tao 陶肖明	Smart Fabrics and System-on-Fabric Technology	The Hong Kong Polytechnic University 香港理工大学
09:15-09:35	Keynote	Hyunhyub Ko	Flexible Electronic Skin Sensors for Wearable Devices	Ulsan National Institute of Science and Technology 蔚山科学技术院
09:35-09:55	Keynote	Xiaoting Jia 贾晓婷	Multimaterial Multifunctional Fiber-Based Biomedical Devices	Virginia Polytechnic Institute and State University 弗吉尼亚理工学院暨州立大学
09:55-10:15	Keynote	Yihui Zhang 张一慧	Research on Mechanically-Driven 3D Assembly Methods for Microelectronic Devices	Tsinghua University 清华大学
10:15-10:30	Invited	Tian Tian 田甜	Wearable and Implantable Devices Based on Intrinsically Stretchable Conductors	Yangzhou University 扬州大学

Moderator: Wei Yan

10:30-10:45	Invited	Fengyun Guo 郭凤云	Wearable Ultrasound Technology for Continuous Deep Tissue Monitoring	Zhejiang Sci-Tech University 浙江理工大学
10:45-11:05	Keynote	Sheng Xu	Multifunctional Fiber Spiral	University of California, San Diego 加州大学, 圣地亚哥分校
11:05-11:20	Invited	Longfei Wang 王龙飞	Extending The Piezotronics To Flexotronics	Beijing Institute of Nanoenergy and Systems, Chinese Academy of Sciences 北京纳米能源与系统研究所
11:20-11:35	Invited	Jinbo Pang 逢金波	Precise Control of 2D Semiconductor Material Growth and Wafer Level Electronic Component Manufacturing Technology	University of Jinan 济南大学
11:35-11:50	Invited	Xing Zhou 周兴	Two-Dimensional Semiconductor Materials and Optoelectronic Devices	Huazhong University of Science and Technology 华中科技大学
11:50-12:05	Invited	Ziqian Bai 白紫千	AI-Powered Interactive Wearable Systems Based on Smart Textiles and Garment	Southern University of Science and Technology 南方科技大学
12:05-12:20	Invited	Xiaoxu Zhao 赵晓续	Topological Structure Analysis and Dynamic Regulation of Nanomaterials At The Subatomic Scale	Peking University 北京大学
12:20-12:35	Invited	Hua Xu 徐华	Controlled Fabrication of Anisotropic 2D Materials and Optoelectronic Devices	Shaanxi Normal University 陕西师范大学

PARALLEL SESSION

Fibers and Devices for Information, Chips and AI Technology and Its Interdisciplinary Areas
信息, 芯片, AI 技术用纤维与器件及其交叉领域

H

Oct. 22, 2023 Morning (上午) Venue: Cannes (戛纳厅)

Moderator: Lei Wei

Time	Type	Speaker	Title	Affiliation
08:30-08:45	Invited	Zheng Jia 贾铮	Mechanical Study of Strong and Toughened Ionic Conductive Soft Materials	Zhejiang University 浙江大学
08:45-09:00	Invited	Yixi Zhuang 庄逸熙	Mechanoluminescent Materials and Advanced Sensing Applications	Xiamen University 厦门大学
09:00-09:15	Invited	Ji Liu 刘吉	Hydrogel-based Bioelectronic Interfacing	Southern University of Science and Technology 南方科技大学
09:15-09:30	Invited	Zhouyue Lei 雷周玥	Signal Sensing and Transmission In Ionic Gel Fibers	Donghua University 东华大学
09:30-09:45	Invited	Kai Dong 董凯	Self-Powered Wearable Smart Textiles	Beijing Institute of Nanoenergy and Nanosystems 中国科学院北京纳米能源与系统研究所
09:45-10:00	Invited	Mengdi Han 韩梦迪	Soft Tactile Sensors for Biomedicine	Peking University 北京大学
10:00-10:15	Invited	Haiwu Zheng 郑海务	Structural Design of A Wearable Nanogenerator and Its Application In Human Health Monitoring	Henan University 河南大学
10:15-10:30	Invited	Zuoqing Yang 杨卓青	3D Integrated Manufacturing and Application of Ultra-Flexible Cylindrical Micro/Nano Sensors	Shanghai Jiao Tong University 上海交通大学

Moderator: Wei Yan

10:30-10:45	Invited	Ye Zhang 张晔	Soft Polymer Chemical Battery	Nanjing University 南京大学
10:45-11:00	Invited	Lili Wang 王丽丽	Integrated System for Flexible Multimodal Semiconductor Sensing	Institute of Semiconductors,CAS 中国科学院半导体研究所
11:00-11:15	Invited	Tian Tian 田甜	Large Area Flexible Luminescent Fabric Was Fabricated By Electrospinning for Deep-Sea Rescue and Biological Imaging	Yangzhou University 扬州大学
11:15-11:30	Invited	Dengfeng Peng 彭登峰	Doped Semiconductor Stress-Emitting Smart Materials and Their New Display and Sensing Applications	Shenzhen University 深圳大学
11:30-11:45	Invited	Yuqing Zheng 郑雨晴	Flexible and Stretchable Electronic Device Integration Techniques	Peking University 北京大学
11:45-12:00	Invited	Peng Liu 柳鹏	Electron Emission Characteristics of Carbon Nanotube Fibers	Tsinghua University 清华大学
12:00-12:15	Invited	Kai Xiao 肖凯	Ions Transport based Neuro-Inspired Materials and Brain-Like Computing Devices	Southern University of Science and Technology 南方科技大学
12:15-12:30	Invited	Jingda Tang 唐敬达	Fatigue Resistant Materials and Heart Valves	Xi'an Jiaotong University 西安交通大学

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Fibers and Devices for Information, Chips and AI
Technology and Its Interdisciplinary Areas
信息, 芯片, AI 技术用纤维与器件及其交叉领域

PARALLEL SESSION

Oct. 23, 2023 Morning (上午) Venue: Paris (巴黎厅)

Moderator: Lei Wei

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Keynote	Nanshu Lu	Hair-Compatible Sponge Electrodes Integrated on Vr Headset for Electroencephalography	The University of Texas at Austin 德州大学奥斯汀分校
08:50-09:10	Keynote	Cunjiang Yu	Undetermined	Pennsylvania State University 宾州州立大学
09:10-09:30	Keynote	Sihong Wang	Biomimetic polymer electronics	The University of Chicago 芝加哥大学
09:30-09:45	Invited	Juan Chen 陈娟	Study on Hydrogen induced Chromic Performance of Magnesium Based Functional Thin Films for Hydrogen Sensing	Shanghai Jiao Tong University 上海交通大学
09:45-10:00	Invited	Wentao Cao 曹文涛	Mxene-Based Multi-Element Nanocomposites and Flexible Electronic Devices	Shanghai Stomatological Hospital Fudan University 复旦大学附属口腔医院
10:00-10:15	Invited	Chen Wang 王琛	General Integration Strategies for Atomic Layer Semiconductor Superlattice Structures and Superlattice Interfaces	Tsinghua University 清华大学
10:15-10:30	Invited	Kailang Liu 刘开朗	Inorganic Molecular Crystal Van Der Waals Dielectric Materials	Huazhong University of Science and Technology 华中科技大学
10:30-10:45	Invited	Miao Jiang 姜淼	Field-Free Spin-Orbit Torque Magnetization Switching in A Perpendicularly Magnetized Semiconductor Single Layer	Beijing Institute of Technology 北京理工大学

10:45-11:00 Coffee Break

Moderator: Wei Yan

11:00-11:15	Invited	Jia Liang 梁佳	Valley Electronics in Low Dimensional Metallic Bismuth-Based Compounds	Fudan University 复旦大学
11:15-11:30	Invited	Lijie Zhang 张礼杰	Controlled Fabrication of 2D Materials at Low Temperature	Wenzhou University 温州大学
11:30-11:45	Invited	Xuebin Wang 王学斌	Graphene and Boron Nitride Materials and Their Energy Storage and Heat Conduction Applications	Nanjing University 南京大学
11:45-11:50	Invited	Yang Liu 刘洋	Preparation and Self-Assembly of Magnetic 2-D Metal Chalcogenides	Fudan University 复旦大学

PARALLEL SESSION

Fibers and Devices for Information, Chips and AI Technology and Its Interdisciplinary Areas
信息, 芯片, AI 技术用纤维与器件及其交叉领域

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Oct. 23, 2023 Afternoon (下午) Venue: Paris (巴黎厅)

Moderator: Lei Wei

Time	Type	Speaker	Title	Affiliation
13:00-13:15	Invited	Dianpeng Qi 齐殿鹏	Interface Bonding Strategy for Soft Bioelectronics	Harbin Institute of Technology 哈尔滨工业大学
13:15-13:30	Invited	Yihao Chen 陈毅豪	Contact Perception and Navigation in Flexible Multi-force Endoscopy	Tsinghua University 清华大学
13:30-13:45	Invited	Enming Song 宋恩名	Active, Fully-Implantable Bioelectronic Systems with Silicon-Nanomembrane-Transistors as Chronic Neural Interfaces	Fudan University 复旦大学
13:45-14:00	Invited	Jiaqing Xiong 熊佳庆	Nanofiber E-Skins for Autonomous Perception	Donghua University 东华大学
14:00-14:15	Invited	Zhiyuan Liu 刘志远	A New Generation of Electrophysiological Monitoring - From Surface To Implant To Active	Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences 中科院深圳先进技术研究院
14:15-14:30	Keynote	Li Tian	Ever Ancient Ever New – Cellulose As The Material Platform for Sustainable Flexible Devices	Purdue University 普渡大学
14:30-14:50	Invited	Tianpeng Ding 丁天朋	Design and Application of Flexible Thermoelectric Conversion System	University of Electronic Science and Technology of China 电子科技大学
14:50-15:05	Invited	Ting Zhang 张挺	Flexible Thermoelectric Fibers and Fabrics	Institute of Engineering Thermophysics, Chinese Academy of Sciences 中国科学院工程热物理研究所

15:05-15:25 Coffee Break

Moderator: Wei Yan

15:25-15:40	Invited	Yingjun Liu 刘英军	Progress In Macroscale Preparation and Application of High Thermal Conductivity Graphene Fiber	Zhejiang University 浙江大学
15:40-15:55	Invited	Zhuoqing Yang 杨卓青	3D Integrated Manufacturing and Application of Ultra-Flexible Cylindrical Micro/Nano Sensors	Shanghai Jiao Tong University 上海交通大学
15:55-16:10	Invited	Ting Li	Exploration of Physical Activity, Sleep Patterns, and Mental Health In Dementia Patients Utilizing Wearable Devices: A	Kyoto Institute of Technology 京都工艺纤维大学
16:10-16:25	Invited	Hughes-riley Theo	Recent advancements in electronic yarns for sensing, energy harvesting, and haptic actuation	Nottingham Trent University 诺丁汉特伦特大学
16:25-16:40	Invited	Nazmul Karim	2D material-based technologies for next generation smart and sustainable textiles	Nottingham Trent University 诺丁汉特伦特大学

Hybrid Materials and Fiber Genetic Engineering
杂化材料与纤维基因工程

Oct. 21, 2023 Afternoon (下午) Venue: Beijing (北京厅)

Moderator: Xiao He

Time	Type	Speaker	Title	Affiliation
13:30-14:00	Invited	Pavlo O. Dral	Practical AI-enhanced computational chemistry	Xiamen University 厦门大学
14:00-14:15	Invited	Liang Ma 马亮	Mechanism of Controllable Nucleation and Growth of MoS ₂	Southeast University 东南大学
14:15-14:30	Invited	Xiaozheng Duan 段晓征	Simulation Study on Electrostatic Interactions in Charged Polymer Soft-condensed Systems for Advanced Energy and Materials	Changchun Institute of Applied Chemistry, Chinese Academy of Sciences 中国科学院长春应用化学研究所
14:30-14:45	Invited	Jiafei Mao 毛佳飞	Undetermined	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
14:45-15:00	Invited	Xinchun Yang 杨新春	Porous organic hosts-confined metal nanoclusters for catalysis	Shenzhen Advanced Materials Research Institute, Chinese Academy of Sciences 中国科学院深圳先进材料研究院

15:00-15:15 Coffee Break

Moderator: Xiao He

15:15-15:45	Keynote	Jiaping Lin 林嘉平	Machine Learning-Assisted Design of High Performance and Functional Polymers	East China University of Science and Technology 华东理工大学
15:45-16:15	Keynote	Hanying Li 李寒莹	Bulk-heterojunctions (BHJs) with long-range order in molecular packing for electronics	Zhejiang University 浙江大学
16:15-16:30	Invited	Lijian Zuo 左立见	Reducing the non-radiative charge recombination for high-performance organic solar cells	Zhejiang University 浙江大学
16:30-16:45	Invited	Jinhu Dou 窦锦虎	Seeking Order in Disorder: Functional Electrical Materials Enabled by Tailored Crystallization	Peking University 北京大学
16:45-17:00	Invited	Dianyi Liu 柳佃义	Intrinsically Stretchable Fiber-Shaped Organic Solar Cells	Westlake University 西湖大学
17:00-17:15	Invited	Guan Wu 武观	Multiscale fiber-based energy storage materials	Zhejiang Sci-Tech University 浙江理工大学
17:15-17:30	Invited	Ying Han 韩莹	Synthesis and properties of luminescent materials based on chiral macrocyclic arenes	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
17:30-17:45	Invited	Yuming Chen 陈育明	Study on the mechanism of lithium metal creep engine in all-solid-state lithium metal batteries	Fujian Normal University 福建师范大学
17:45-18:00	Invited	Dangge Gao 高党鸽	High-stable Lead Halide Perovskite@Wool Keratin Piezoelectric Film for Self-powered Sensing	Shaanxi University of Science and Technology 陕西科技大学

PARALLEL SESSION

Hybrid Materials and Fiber Genetic Engineering
杂化材料与纤维基因工程



Oct. 22, 2023 Morning (上午) Venue: Beijing (北京厅)

Moderator: Pavlo O. Dral

Time	Type	Speaker	Title	Affiliation
08:30-09:00	Keynote	Hongzheng Chen 陈红征	Molecular design of third component for high-performance ternary organic solar cells	Zhejiang University 浙江大学
09:00-09:15	Invited	Ming Huang 黄明	Controlled synthesis and application of multidimensional carbon materials	University of Electronic Science and technology of China 电子科技大学
09:15-09:30	Invited	Xu Zhang 张旭	High-energy and low-cost Al-S battery	Beijing University of Technology 北京工业大学
09:30-09:45	Invited	Jianjun Liu 刘建军	Undetermined	Shanghai Institute of Silicate, Chinese Academy of Sciences 中国科学院上海硅酸盐研究所
09:45-10:00	Coffee Break			
10:15-10:30	Invited	Meng Li 李猛	Chiral Materials featuring high-efficiency circularly polarized electroluminescence	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
10:30-10:45	Invited	Houyong Yu 余厚咏	Multifunctional Cellulose Materials Based on Natural Fibers	Zhejiang Sci-Tech University 浙江理工大学
10:45-11:00	Invited	Ning Huang 黄宁	Two- Dimensional Conductive Covalent Organic Frameworks: Design, Synthesis, and Application	Zhejiang University 浙江大学
11:00-11:15	Invited	Yifan Zhang 张一帆	Controllable construction of photofunctional nanofibers	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
11:15-11:30	Invited	Xiong Chen 陈雄	Rational design of conjugated polymers for efficient photocatalysis	Fuzhou University 福州大学
11:30-11:45	Invited	Siqi Shi 施思齐	Data Quality and Quantity determine the performance of Materials Machine Learning Model	Shanghai University 上海大学

PARALLEL SESSION

Hybrid Materials and Fiber Genetic Engineering
杂化材料与纤维基因工程

Oct. 23, 2023 Morning (上午) Venue: Beijing (北京厅)

Moderator: Jin Wen

Time	Type	Speaker	Title	Affiliation
08:30-09:00	Keynote	Xiao He 何晓	CF22D: Chemistry Functional 2022 with Damped Dispersion	East China Normal University 华东师范大学
09:00-09:15	Invited	Tong Zhu 朱通	Automatic Generation of Reaction Paths	East China Normal University 华东师范大学
09:15-09:30	Invited	Wei Li 李伟	Fragmentation Approach for Energies and Structures of Macromolecules and Molecular Materials	Nanjing University 南京大学
09:30-09:45	Invited	Guobing Zhou 周国兵	Molecular Insights into the Effect of Asymmetric Anions on Lithium Coordination and Transport Properties in Salt-Doped Poly(ionic liquid) Electrolytes	Jiangxi Normal University 江西师范大学
09:45-10:00	Coffee Break			
10:00-10:30	Keynote	Mingjian Yuan 袁明鉴	Reduced-dimensional Perovskites for Efficient Optoelectronics	Nankai University 南开大学
10:30-10:45	Invited	Fan Zhang 张帆	Pyridine-cored covalent organic frameworks with vinylene linkages for photocatalysis of organic transformation	Shanghai Jiao Tong University 上海交通大学
10:45-11:00	Invited	Chaoxu Li 李朝旭	Coaxial spinning spiral coils for wearable devices	Qingdao Institute of Bioenergy and Process Technology, Chinese Academy of Sciences 中国科学院青岛生物能源与过程研究所
11:00-11:15	Invited	Chunhong Ye 叶春洪	Assembly and optical functional materials based on natural plant cellulose	ShanghaiTech University 上海科技大学
11:15-11:30	Invited	Linge Wang 王林格	Electrospun organic/inorganic hybrid composite fiber materials for tumor treatment and MRI imaging applications	South China University of Technology 华南理工大学
11:30-11:45	Invited	Hongwei Wu 吴宏伟	Developing new luminescent systems by using supramolecular interactions	Donghua University 东华大学

PARALLEL SESSION

Hybrid Materials and Fiber Genetic Engineering
杂化材料与纤维基因工程

I

Oct. 23, 2023 Afternoon (下午) Venue: Beijing (北京厅)

Moderator: Yi Jiang

Time	Type	Speaker	Title	Affiliation
13:30-14:00	Keynote	Xiaozhang Zhu 朱晓张	Quinoid-Type Near-Infrared Organic Optoelectronic Materials and Functional Devices	Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
14:00-14:15	Invited	Shengjie Ling 凌盛杰	Silk fibroin ionotronics	Shanghai University of Science and Technology 上海科技大学
14:15-14:30	Invited	Huili Ma 马会利	Theory study of organic phosphorescence materials	Nanjing University of Technology 南京工业大学
14:30-14:45	Invited	Chunhui Wang 汪春晖	Highly Porous Aramid Nanofiber Aerogel film for Ultimate Low-Reflection Electromagnetic Interference Shielding	Yunnan University 云南大学
14:45-15:00	Invited	Yi Liu 刘轶	A One-pot green solid-state synthesis of Cu ₂ O/microcrystalline cellulose composite with high anti-pathogenic activity	Shanghai University 上海大学

Gelatinous Fibers and Intelligent Devices
凝胶纤维与智能器件

J

Oct. 21, 2023 Morning (上午) Venue: Mediterranean Hall (地中海厅)

Moderator: Ji Liu, Ziliang Wu

Time	Type	Speaker	Title	Affiliation
09:30-09:55	Keynote	Ziliang Wu 吴子良	3D printing of tough supramolecular hydrogels	Zhejiang University 浙江大学
09:55-10:15	Invited	Qian Zhao 赵骞	Shape memory hydrogels with programmable recovery onset	Zhejiang University 浙江大学
10:15-10:35	Invited	Shuo Bai 白硕	Hydrogel Interfaces between Human and Artificial Devices	Institute of Process Engineering, CAS 中国科学院过程工程研究所
10:35-10:55	Invited	Yanan Ye 叶亚楠	Relaxation dynamics and large deformation fracture mechanism of hydrogels containing dynamic bonds	Taiyuan University of Technology 太原理工大学
10:55-11:15	Invited	Baoyang Lu 卢宝阳	Conducting polymer hydrogel bioelectronic interfaces	Jiangxi Science and Technology Normal University 江西科技师范大学
11:15-11:35	Invited	Xuetao Shi 施雪涛	Hydrogel and stem cells for reproductive tissue regeneration and in vitro reconstruction	South China University of Technology 华南理工大学
11:35-11:55	Invited	Donghui Zhang 张东辉	A new type of anti-foreign-body response material inspired by silk protein	East China University of Science and Technology 华东理工大学

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Gelatinous Fibers and Intelligent Devices
凝胶纤维与智能器件

PARALLEL SESSION

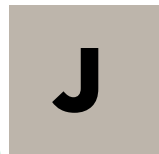
Oct. 21, 2023 Afternoon (下午) Venue: Mediterranean Hall (地中海厅)

Moderator: Yi Long, Conghua Lu

Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Conghua Lu 鲁从华	Continuous High-Throughput Fabrication of PDMS Elastomer Fiber and Its Applications	Tianjin Chengjian University 天津城建大学
13:25-13:45	Invited	Jue Deng 邓珺	Electrical bioadhesive interface	Fudan University 复旦大学
13:45-14:05	Invited	Benlin Hu 胡本林	Elastic relaxor ferroelectrics	Ningbo Institute of Materials Technology & Engineering, CAS 中国科学院宁波材料技术与工程研究所
14:05-14:25	Invited	Kai Xiao 肖凯	Ions transport based Neuro-inspired materials and Brain-like computing	Southern University of Science and Technology 南方科技大学
14:25-14:45	Invited	Liu Wang 王柳	3D printing of thermosets and ferromagnetic LCEs	University of Science and Technology of China 中国科技大学
14:45-15:05	Invited	Sisi He 何思斯	Flexible fiber-shaped Multifunctional Sensor System	Harbin Institute of Technology, Shenzhen 哈尔滨工业大学深圳
15:05-15:20	Oral	Zhipeng Ni 倪志鹏	Time-Space Regulating Nanohybrid Prodrug Hydrogels for Prevention of Peritendinous Adhesion	Southern University of Science and Technology 南方科技大学
15:20-15:30	Coffee Break			
15:30-15:55	Keynote	Yi Long 龙祎	Thermochromic smart window	The Chinese University of Hong Kong 香港中文大学
15:55-16:15	Invited	Shengtong Sun 孙胜童	Smart gel fibers	Donghua University 东华大学
16:15-16:35	Invited	Chuang Li 李闯	Light-driven hydrogel actuators	University of Science and Technology of China 中国科技大学
16:35-16:55	Invited	Xia Wang 王霞	Physical activation and biological effects of enzymatic hydrogels	Tongji University 同济大学
16:55-17:10	Invited	Bingpu Zhou 周冰朴	Coupling of Magnetized Flexible Systems with Wearable Sensing	University of Macau 澳门大学
17:10-17:30	Invited	Jing Chen 陈静	Design and structural regulation of glyco-hydrogels for biomedical applications	Shandong University 山东大学
17:30-17:45	Oral	Xingmei Chen 陈兴梅	Applications of functionalized hydrogels in disease regulation and biointerfaces	Southern University of Science and Technology 南方科技大学
17:45-18:00	Oral	Along Zheng 郑阿龙	Elastic Fabric with Porous Conductive Networks for Wearable Strain Sensor	Anhui Agricultural University 安徽农业大学

PARALLEL SESSION

Gelatinous Fibers and Intelligent Devices
凝胶纤维与智能器件



Oct. 22, 2023 Morning (上午 Venue: Mediterranean Hall (地中海厅))

Moderator: Xiangling Gu, Xuechang Zhou

Time	Type	Speaker	Title	Affiliation
08:00-08:25	Keynote	Ximin He 贺曦敏	Hydrogels with extreme properties	University of California, Los Angeles
08:25-08:45	Invited	Xuechang Zhou 周学昌	Soft, adhesive, and conductive polymer composites and devices	Shenzhen University 深圳大学
08:45-09:05	Invited	Chen Wang 王辰	DNA-based supramolecular materials	East China Normal University 华东师范大学
09:05-09:25	Invited	Tao Wang 王涛	Shape memory hydrogels and the applications in soft actuators	South China University of Technology 华南理工大学
09:25-09:45	Invited	Siyu Zheng 郑司雨	Polyzwitterionic hydrogels for use as soft electronics	Zhejiang University of Technology 浙江工业大学
09:45-10:00	Oral	Weizheng Li 李维政	Synthesis and characterization of high-strength hydrogels (ionogels)	Soochow University 苏州大学
10:00-10:10	Coffee Break			
10:10-10:35	Keynote	Zijian Zheng 郑子剑	Liquid Metal Patterned, Stretchable and Permeable Electronics	the Hong Kong Polytechnic University 香港理工大学
10:35-10:55	Invited	Xiangling Gu 顾相伶	Controlled fabrication of multi-functional flexible hydrogel based device via precise design on polymer skeleton	Dezhou University 德州学院
10:55-11:15	Invited	Yiming Wang 王义明	Chemical reaction powered dynamic supramolecular hydrogels	East China University of Science and Technology 华东理工大学
11:15-11:35	Invited	Qiang Chen 陈强	Albumin-Based Adhesive Hydrogels and Sensing Properties	Wenzhou Institute, University of Chinese Academy of Sciences 中国科学院大学温州研究院
11:35-11:50	Invited	Qihong Zhang 张秋红	Sliding-ring based stretchable materials	Nanjing University 南京大学
11:50-12:05	Oral	Qinbo Liu 刘勤波	Flexible Zinc-ion Electrochromic batteries	Donghua University 东华大学

Oct. 22, 2023 Afternoon (下午) Venue: Mediterranean Hall (地中海厅)

Moderator: Yulan Chen, Yi Cao

Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Yi Cao 曹毅	Synthetic protein hydrogels with controllable mechanical properties	Nanjing University 南京大学
13:25-13:45	invited	Yulan Chen 陈于蓝	Mechanoluminescent Polymers Based on Dynamic Covalent Mechanophores	Jilin University 吉林大学
13:45-14:05	invited	Zehuan Huang 黄泽寰	Slow means strong: glass-like supramolecular materials achieved by slow-dissociative crosslinks	Peking University 北京大学
14:05-14:25	Invited	Juanji Zhang 张隽佶	Photocontrolled functional hydrogels and biomedical applications	East China University of Science and Technology 华东理工大学
14:25-14:45	Invited	Jian Hu 胡建	Tough and stretchable ionogels by in situ phase separation	Xian Jiaotong University 西安交通大学
14:45-15:05	Invited	Zheng Cao 曹峥	Facile Fabrication of A Quartz Crystal Microbalance Humidity Sensor Based on Chitosan/Polyacrylonitrile Composite Nanofibers	Changzhou University 常州大学
15:05-15:20	Oral	Dan Fang 方丹	Self-powered Wearable Patch with Direction-aware Sensitivity of In-plane Forces for Human-machine Interaction	University of Macau 澳门大学
15:20-15:35	Oral	Yu Xue 薛羽	Fatigue-resistant conducting hydrogel coating for bioelectronic Interfaces	Southern University of Science and Technology 南方科技大学
15:35-15:45	Coffee Break			
15:45-16:05	Invited	Shiming Zhang 张世明	From conducting hydrogel to semiconducting hydrogel	Hongkong University 香港大学
16:05-16:25	Invited	Panchao Yin 殷盼超	The spatio-temporal characterization and structure-property relationship of molecular granular materials	South China University of Technology 华南理工大学
16:40-17:00	invited	Kaiwen Lin 林凯文	Preparation and intelligent control of flexible electrochromic devices	University of Electronic Science and Technology of China, Zhongshan Institute 电子科技大学中山学院
17:05-17:25	Invited	Yingjie Zhou 周莹杰	CO ₂ -sourced ionic polymers	Donghua University 东华大学
17:25-17:40	Oral	Ming Lei 雷铭	Bidirectional Bending Sensor for High-capacity Human-machine Interaction	University of Macau 澳门大学
17:40-17:55	Oral	Pei Zhang 张培	Integrated 3D printing of flexible electroluminescent devices and soft robots	Southern University of Science and Technology 南方科技大学

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PARALLEL SESSION

Electromagnetic Fibers and Multifunctional Composites
电磁纤维与多功能复合材料

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Oct. 21, 2023 Afternoon (下午) Venue: Shanghai (上海厅)

Moderator: Lianjun Wang

Time	Type	Speaker	Title	Affiliation
13:00-13:30	Keynote	Renchao Che 车仁超	Microscopic Structure of Magnetic Electromagnetic Wave Absorption Materials	Fudan University 复旦大学
13:30-13:50	Keynote	Junwei Gu 顾军渭	PBO Fiber Reinforced Advanced Polymer Matrix Wave-transparent Composites	Northwestern Polytechnical University 西北工业大学
13:50-14:10	Invited	Haobin Zhang 张好斌	Super-Tough MXene/Aramid Nanofibers with Outstanding Electromagnetic Interference Shielding Efficiency	Beijing University of Chemical Technology 北京化工大学
14:10-14:30	Invited	Qiang Song 宋强	Preparation of Multifunctional Graphene by CVD Method with Electromagnetic Response and Excellent Heat Transfer	Northwestern Polytechnical University 西北工业大学
14:30-14:50	Invited	Gen Zhang 张根	Intrinsically Conductive MOFs with Tunable Electromagnetic Wave Absorption	Nanjing University of Science and Technology 南京理工大学
14:50-15:10	Invited	Fan Wu 吴凡	Rational Design and Mass Production of PPY Nanofibers with Broadband Microwave Absorption	Tianjin University 天津大学

15:10 – 15:30 Coffee Break

Moderator: Junwei Gu

15:30-15:50	Invited	Wei Lu 陆伟	Optimal Design of Electromagnetic Protective Materials via Synergy Strategy	Tongji University 同济大学
15:50-16:10	Invited	Xiaogu Huang 黄啸谷	Carbon fiber/carbonyl iron/TPE Flexible Films and Electromagnetic Wave Absorption Performance Regulation	Nanjing University of Information Science and Technology 南京信息工程大学
16:10-16:30	Invited	Juhua Luo 罗驹华	Construction of FeNi alloy/polydopamine-derived Carbon Composites with Heterogeneous Interfaces for Microwave Absorption	Yancheng Institute of Technology 盐城工学院
16:30-16:50	Invited	Wenhuan Huang 黄文欢	Nitrogen-Rich Azoles based Hybrid Frameworks: Rational Design and Property Study	Shaanxi University of Science & Technology 陕西科技大学
16:50-17:10	Invited	Wei Fan 樊玮	Polyimide Aerogel Fiber and the Multifunctional Fabric	Jiangnan University 江南大学
17:10-17:30	Invited	Xiaomeng Fan 范晓孟	Construction and Performance Optimization of Multi-scale 1D structural Microwave Absorption Materials	Northwestern Polytechnical University 西北工业大学
17:30-17:50	Invited	Xiaojun Zeng 曾小军	Construction of 2D Electromagnetic Wave Absorption Materials for Multifunctional Application	Jingdezhen Ceramic University 景德镇陶瓷大学

Oct. 22, 2023 Morning (上午) Venue: Shanghai (上海厅)

Moderator: Shangru Zhai

Time	Type	Speaker	Title	Affiliation
08:30-08:50	Invited	Song Ma 马嵩	Multi-functional Soft Magnetic Intermetallic Compound/Carbon Nanotube Composites for Microwave Absorption	Institute of Metals, Chinese Academy of Sciences 中科院金属研究所
08:50-09:10	Invited	Fusheng Wen 温福昇	High-performance Electromagnetic Interference Shielding Fibrous Membranes with Multifunctionality	Yanshan University 燕山大学
09:10-09:30	Invited	Ronghui Guo 郭荣辉	MOF/Carbon Fiber Aerogel for Efficient Electromagnetic Wave Absorption	Sichuan University 四川大学
09:30-10:10	Invited	Fujun Xu 许福军	High performance and multifunctional 3D Woven Composite Structure	Donghua University 东华大学

10:10-10:30 Coffee Break

Moderator: Song Ma

10:30-10:50	Invited	Shangru Zhai 翟尚儒	Preparation and Performance Optimization of Polysaccharide-derived Carbon-based Microwave Absorption Materials	Dalian Polytechnic University 大连工业大学
10:50-11:10	Invited	Qixin Zhuang 庄启昕	Study on Nanohybrid-based and All-Organic Dielectric Polymer Materials	East China University of Science and Technology 华东理工大学
11:10-11:30	Invited	Gaofeng Shao 邵高峰	Regulation of Electromagnetic Response and Multifunctions of Carbon-based Aerogel	Nanjing University of Information Science and Technology 南京信息工程大学
11:30-11:50	Invited	Jie Xiao 肖杰	Recent Advances of High Temperature Functional Coatings for Advanced Aero Engines	Beihang University 北京航空航天大学

PARALLEL SESSION

Electromagnetic Fibers and Multifunctional Composites
电磁纤维与多功能复合材料

K

Oct. 22, 2023 Afternoon (下午) Venue: Shanghai (上海厅)

Moderator: Zhaoling Li

Time	Type	Speaker	Title	Affiliation
13:00-13:20	Invited	Zhaoling Li 李召岭	High Performance Electromagnetic Wave Absorption Materials Enabled by Electrospun Carbon Nanofibers	Donghua University 东华大学
13:20-13:40	Invited	Huijuan Yue 岳惠娟	Construction of Multi-dimensional Dielectric/magnetic Materials for Electromagnetic Wave Absorption	Jilin University 吉林大学
13:40-14:00	Invited	Kai Sun 孙凯	Electromagnetic Response Characteristics and Regulatory Mechanism of Flexible Composites	Shanghai Maritime University 上海海事大学
14:00-14:20	Invited	Yiming Chen 陈一鸣	Construction and Multifunctional Application of High-Performance Nanofiber Elastomers	Zhejiang Normal University 浙江师范大学
14:20-14:40	Invited	Ruixiang Deng 邓瑞翔	Electromagnetic Loss Design of Microwave Absorbers	Shanghai Institute of Ceramics, Chinese Academy of Sciences 中科院上海硅酸盐研究所
14:20-14:40	Invited	Changhuai Ye 叶长怀	Flexible and Lightweight Polymer Composite Materials for Electromagnetic Interference Shielding	Donghua University 东华大学

14:40 – 15:00 Coffee Break

Moderator: Kai Sun

15:00-15:20	Invited	Qiuran Jiang 蒋秋冉	Highly Conductive, Bio-degradable and Anti-bacterial Ag/PPy/Zein Ultrafine Fiber Mats for Electromagnetic Interference Shielding and Joule Heating	Donghua University 东华大学
15:20-15:40	Invited	Qi Ding 丁奇	Dielectric Properties and Excellent Electromagnetic Wave Absorption Performance of SiBCN Fibers	Donghua University 东华大学
15:40-16:00	Invited	Qi Zheng 郑琦	Crytalline Materials derived Electromagnetic Wave Absorption Materials	Donghua University 东华大学
16:00-16:10	Oral	Ji Teng 滕骥	Multifunctional Flexible FeCo@MoS ₂ PVA Aerogel for Electromagnetic Wave Absorption	Zhejiang University 浙江大学
16:10-16:20	Oral	Junxiong Xiao 肖俊雄	Core-shell Structured Hollow Carbon Spheres@MoS _x Se _{2-x} with Controllable Microwave Absorption Properties via Anion Engineering	Guizhou University 贵州大学
16:20-16:30	Oral	Zhiqiang Wu 吴志强	Interlayer Decoration of Expanded Graphite by Polyimide Resins for Preparing Highly Thermally Conductive Composites with Superior Electromagnetic Shielding Performance	Donghua University 东华大学
16:30-16:40	Oral	Mengfan Ying 应梦凡	Nanofilms of Fe ₃ Co ₇ on a Mixed Cellulose Membrane for Flexible and Wideband Electromagnetic Absorption	Zhejiang University 浙江大学
16:40-16:50	Oral	Xin Wang 王鑫	Embedding Multiple Magnetic Components in Carbon Nanostructures via Metal-oxo Cluster Precursor for High-efficiency Low-/Middle-Frequency Electromagnetic Wave Absorption	Donghua University 东华大学
16:50-17:00	Oral	Beibei Zhan 战倍倍	Construction of Chitosan-derived Porous Carbon Foam with Microwave Absorption and Multifunctionality	Guizhou University 贵州大学
17:00-17:10	Oral	Meiling Zhu 朱美玲	Construction of POMs derived Carbon-based Composites for Electromagnetic Wave Absorption	Donghua University 东华大学

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Inorganic Fibers and Its Composites
无机纤维与复合材料

PARALLEL SESSION

Oct. 21, 2023 Afternoon (下午) Venue: Guangzhou (广州厅)

Moderator: Dailong Chen

Time	Type	Speaker	Title	Affiliation
13:00-13:30	Keynote	Hong Li 李洪	High-modulus glass fiber for wind renewable energy generation: selective review on the recent research and development	Nippon Electric Glass Co., Ltd. 日本 NEG 有限公司
13:30-13:50	Keynote	Xianqi Hu 胡显奇	Nature is the essential characteristic of continuous basalt fiber	Zhejiang Shijin Basalt Fiber Co., Ltd. 浙江石金玄武岩纤维股份有限公司

Moderator: Hong Li

13:50-14:10	Invited	Dairong Chen 陈代荣	Preparation, properties and research progress of continuous alumina ceramics fibers	Shandong University 山东大学
14:10-14:30	Invited	Guijun Xian 咸贵军	Preparation and properties of thermoplastic fiber-reinforced composite tendons	Harbin Institute of Technology 哈尔滨工业大学
14:30-14:50	Invited	Duoqi Shi 石多奇	Investigation on high-temperature fatigue behaviors of SiC/SiC composites and a physically-based life prediction method	Beihang University 北京航空航天大学

14:50-15:10 Coffee Break

Moderator: Duoqi Shi

15:10-15:30	Invited	Zhiqian Jia 贾志谦	Preparation of polystyrene-divinylbenzene copolymer/quartz fiber disks for solid phase extraction	Beijing Normal University 北京师范大学
15:30-15:50	Invited	Yuqing Peng 彭雨晴	Effect of interphase layers on oxidation properties of SiC/SiC composites	Shanghai University 上海大学
15:50-16:10	Invited	Kun Zhang 张坤	Molding and functionalization of light and flexible ceramic nanofiber materials	Xi'an Polytechnic University 西安工程大学

Moderator: Zhiqian Jia

16:10-16:30	Invited	Yanzi Gou 苟燕子	Preparation and properties of nearly stoichiometric polycrystalline SiC fibers	National University of Defense Technology 国防科技大学
16:30-16:50	Invited	Ning Wu 吴宁	Weavability performance evaluation and improvement of continuous inorganic fibers	Tiangong University 天津工业大学
16:50-17:10	Invited	Jianxun Liu 刘建勋	Influence of basalt glass fractions on their high-temperature thermophysical properties	Southeast University 东南大学

Moderator: Ning Wu

17:10-17:30	Invited	Li Zhang 张利	3D monolithic composites TiO ₂ /HKUST-1/RGO@melamine foam with adjustable surface polarity for efficient photocatalytic degradation of toluene gas	Shanghai Polytechnic University 上海第二工业大学
17:30-17:40	Oral	Jin Liu 刘津	Evaluation of elastic modulus of high-performance glass fibers based on acoustic velocity and nanoindentation methods	Donghua University 东华大学
17:40-17:50	Oral	Meng Li 李蒙	Corrosion behaviors of basalt fiber exposed to the chemicals	Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences 中国科学院新疆理化技术研究所
17:50-18:00	Oral	Mengzhao Ding 丁梦钊	The spinnability of lunar soil simulants and their mechanical properties	Donghua University 东华大学

Moderator: Jianxun Liu

18:00-18:05	Oral	Jing Wen 温静	Study on fiber formation and antibacterial properties of phosphate glass	Donghua University 东华大学
18:05-18:10	Oral	Letong Song 宋乐铜	Study on composition design and properties of simulating martian basalt fiber	Donghua University 东华大学
18:10-18:15	Oral	Yunpeng Li 李云鹏	Preparation and properties of Li ₂ O-Al ₂ O ₃ -SiO ₂ microcrystalline fibre	Donghua University 东华大学
18:15-18:20	Oral	Shiyan Shi 石世岩	Effect of acid etching process on the properties of quartz fibre reinforced silica composite coatings	Donghua University 东华大学

PARALLEL SESSION

Inorganic Fibers and Its Composites
无机纤维与复合材料



Oct. 22, 2023 Morning (上午) Venue: Guangzhou (广州厅)

Moderator: Yunqian Dai

Time	Type	Speaker	Title	Affiliation
08:30-09:00	Keynote	Qun Zu 祖群	Development of a model for prediction of glass fiber composition and properties based on a literature database	Nanjing Glass Fiber Research & Design Institute Co., Ltd. 南京玻璃纤维研究设计院有限公司
09:00-09:20	Invited	Ketian Guan 关克田	Alumina fiber preparation and properties	Shanghai Rongrong New Materials Co., Ltd. 上海榕融新材料科技有限公司

Moderator: Qun Zu

09:20-09:40	Invited	Quanyong Li 李泉涌	Technical study on low dielectricity of quartz fibers	Henan Shenjiu Tianhang New Materials Co., Ltd. 河南神玖天航新材料股份有限公司
09:40-10:00	Invited	Jianjun Chen 陈建军	Fire resistant and heat resistant performance SiC nanofiber quilt fabricated from cotton quilt	Zhejiang Sci-Tech University 浙江理工大学

Moderator: Jianjun Chen

10:00-10:20	Invited	Yunqian Dai 代云茜	Functionalization and application of inorganic porous nanofibers	Southeast University 东南大学
10:20-10:40	Invited	Hao Wang 王豪	Environmental effects and damage of basalt fiber under lunar surface irradiation	Harbin Institute of Technology 哈尔滨工业大学

10:40-11:00 Coffee Break

Moderator: Hao Wang

11:00-11:20	Invited	Pengcheng Ma 马鹏程	Development of multi-functional basalt fiber with nanocomposite sizing	Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences 中国科学院新疆理化技术研究所
11:20-11:40	Invited	Keke Lou 娄可可	Research and development of basalt fiber composite reinforced asphalt pavement products	Yangzhou University 扬州大学
11:40-11:50	Oral	Haoyu Dou 豆浩雨	Effect of melt homogenization on the properties of zirconium-rich basalt fibers	Institute of Coal Chemistry, Chinese Academy of Sciences 中国科学院山西煤炭化学研究所
11:50-12:00	Oral	Kaiwen Ni 倪楷文	Study on the impact performance and damage of tacht composite materials with porosity defects	Jimei University 集美大学

Oct. 21, 2023 Afternoon (下午) Venue: Paris (巴黎厅)

Moderator: Yuping Wang

Time	Type	Speaker	Title	Affiliation
13:30-13:50	Opening remarks	Yuping Wang 王玉萍	Welcome Message	National Advanced Functional Fiber Innovation Center 国家先进功能纤维创新中心
		Junlin Zheng 郑俊林		China Chemical Fibers Association 中国化学纤维工业协会
		Feng Mei 梅锋		National Advanced Functional Fiber Innovation Center 国家先进功能纤维创新中心
		Peng Zuo 左鹏		Jiangsu Hongze Economic Development Zone 江苏洪泽经济开发区

Moderator: Huaping Wang

13:50-14:20	Keynote	Jin Zhu 朱锦	Research progress of polyethylene furanoate (PEF)	Ningbo Institute of Materials Technology & Engineering, CAS 中国科学院宁波材料所
14:20-14:40	Invited	Wei Fan 樊威	Strategies for high-value grading utilization of waste cotton textiles	Xi'an Polytechnic University 西安工程大学
14:40-15:00	Invited	Yaoqi Shi 石尧麒	Broadening the PLA portfolio by introducing a specific grade for meltblown, suitable for filtration applications	TotalEnergies Corbion 道达尔能源科碧恩
15:00-15:20	Invited	Huizhi Yan 阎惠至	TPU fiber technologies and applications	BASF Polyurethane Specialties (China) Co., Ltd. 巴斯夫聚氨酯特种产品(中国)有限公司

15:20-15:40 Coffee Break

Moderator: Jin Zhu

15:40-16:10	Keynote	Biqiong Chen 陈碧琼	Biobased thermoplastic elastomers, their fibers and applications	Queen's University Belfast, UK 英国贝尔法斯特女王大学
16:10-16:30	Invited	Stefan Peterek	Bio-economy for new fibers and textile products	Institute for Textile Technology at RWTH Aachen University (ITA), Germany 德国亚琛工业大学纺织技术研究所
16:30-16:50	Invited	Xiao Wang 王霄	Industrial development and innovative technologies of bio-based polytrimethylene terephthalate (PTT)	Shanghai Huahao Chemical Co., Ltd. 上海华颀化学有限公司
16:50-17:10	Invited	Xinjie Chang 常新杰	Enabling closed-loop textile-to-textile recycling through automatic sorting	TOMRA 陶朗集团
17:10-17:20	Invited	Peng Zuo 左鹏	Introduction to Industrial Development in Jiangsu Hongze Economic Development Zone	Jiangsu Hongze Economic Development Zone 江苏洪泽经济开发区

Moderator: Yuping Wang

17:20-18:00 Interview High-end interview on industrial development and cooperation

PARALLEL SESSION

Sustainable Development and Cooperation of Fiber Industry
纤维产业可持续发展与合作论坛

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Oct. 22, 2023 Morning (上午) Venue: Paris (巴黎厅)

Moderator: Yanzhi Xia

Time	Type	Speaker	Title	Affiliation
08:30-09:00	Keynote	Gang Sun 孙刚	Environmentally Friendly and Human Safe Antibacterial and Antiviral Chemicals for Polymers and Textiles	University of California Davis 美国加州大学戴维斯分校
09:00-09:20	Invited	Yueting Xie 谢跃亭	Development and comprehensive application of biobased Juncao fiber	Xinxiang Chemical Fiber Co., Ltd 新乡化纤股份有限公司
09:20-09:40	Invited	Yumei Zhang 张玉梅	Predicting stability of solvent in dope-dyed Lyocell solution based on molecular simulation	Donghua University 东华大学
09:40-10:00	Invited	Bin Yue 岳斌	The development of a novel coronary drug-eluting stent (DES) system and its ultra-high precision specialized smart manufacturing technology	Shanghai MicroPort Medical (Group) Co., Ltd. 上海微创医疗器械(集团)有限公司

10:00-10:15 Coffee Break

Moderator: Gang Sun

10:15-10:45	Keynote	Yanzhi Xia 夏延致	Research progress and industrialization of multifunctional flame-retardant bio-based fiber materials	Qingdao University 青岛大学
10:45-11:05	Invited	Shiyan Chen 陈仕艳	Research and prospects for the development of bacterial cellulose biomedical products	Donghua University 东华大学
11:05-11:25	Invited	Chaoyang Sun 孙朝阳	Application and industrialization progress of biodegradable PGA	Pujing Chemical Industry (Shanghai) Co., Ltd. 上海浦景化工技术股份有限公司
11:25-11:40	Invited	Feng Mei 梅锋	Introduction to National Advanced Functional Fiber Innovation Center	National Advanced Functional Fiber Innovation Center 国家先进功能纤维创新中心

Moderator: Yumei Zhang

11:40-12:20	Interview		Interview on Interview development and cooperation	
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Oct. 22, 2023 Afternoon (下午) Venue: Paris (巴黎厅)

Moderator: Ye Chen

Time	Type	Speaker	Title	Affiliation
13:30-14:00	Keynote	Yuezhong Meng 孟跃中	Prospects of carbon dioxide-derived biodegradable fibers and related materials	Sun Yat-sen University 中山大学
14:00-14:20	Invited	Zhengfei Yan 颜正飞	Innovative approach to the degradation and recycling of PET	Jiangnan University 江南大学
14:20-14:40	Invited	Yong He 何勇	新型生物可降解 / 生物基高分子: 交替聚酰胺酯	Donghua University 东华大学
14:40-15:00	Invited	Tiansheng Deng 邓天昇	聚氨酯水相催化降解制化学	Institute of Coal Chemistry, Chinese Academy of Sciences 中国科学院山西煤炭化学研究所
15:00-15:20	Invited	Junchao Shen 沈俊超	Chemical recycling industrialization technology and application of polyamide 6	Taihua New Material 台华新材

15:20-15:40 Coffee Break

Oct. 22, 2023 Afternoon (下午) Venue: Guangzhou (广州厅)

Moderator: Biqiong Chen

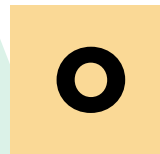
15:40-16:10	Keynote	Huaping Wang 王华平	Roadmap for the development of waste textiles recycling	Donghua University 东华大学
16:10-16:30	Invited	Weiwei Zuo 左伟伟	Closed-loop recycling of polyester textiles	Donghua University 东华大学
16:30-16:50	Invited	Ye Chen 陈烨	Research status of bottle flekes recycled technology	Donghua University 东华大学
16:50-17:10	Invited	Jing Wu 乌婧	Design and properties of bio-based glycopolymers	Donghua University 东华大学

Moderator: Huping Wang

17:10-18:00	Interview		Interview on Interview development and cooperation	
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PARALLEL SESSION

International Advanced Fiber Materials Innovation Forum
国际先进纤维材料创新论坛



Oct. 21, 2023 Afternoon (下午) Venue: Huanghe A (黄河厅 A)

Moderator: Zhongjie Huang

Time	Type	Speaker	Title	Affiliation
14:00-14:15	Opening remarks			
14:15-14:30	Keynote	Gang Wang 王刚	The era of fiber materials: international collaboration through IAFMS	Donghua University 东华大学
14:30-14:40	Coffee Break			
14:40-15:00	Keynote	Henry Yi Li 李翼	Unleash the potential of fashion textile digital transformation	University of Manchester 曼彻斯特大学
15:00-15:20	Keynote	Takeshi Kikutani	Regarding the environmental friendliness of polyester fibers	Tokyo Institute of Technology 东京工业大学
15:20-15:40	Keynote	Tongyu Zhu 朱同玉	Fiber materials in medicine	Shanghai Medical College Fudan University 复旦大学上海医学院
15:40-16:00	Keynote	Costantino Creton	Effect of chain length in soft network fracture revealed with mechanochemistry	École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris 巴黎高等物理化工学院
16:00-16:20	Keynote	Jianmin Ling 凌建民	Explore the genetic code of corporate growth: the development history of Liangshi (as one of the representatives of small and medium-sized private enterprises in China) insisting on reform and opening up and practicing ESG concepts	Shanghai Liangshi IntelRobot Technology Corporation 上海良时智能科技股份有限公司
16:20-16:40	Keynote	Xiaofeng Tang 唐晓峰	How to link universities and enterprises to create a future of new materials?	Shanghai Langyi Functional Materials Co., LTD. 上海朗亿功能材料有限公司
16:40-16:50	Coffee Break			
16:50-17:30	Round-table meeting			



Oct. 22, 2023 Morning (上午) Venue: Huanghe A (黄河厅 A)

Moderator: Yinjun Chen

Time	Type	Speaker	Title	Affiliation
09:00-09:30	Plenary	Zijian Zheng 郑子剑	Soft, permeable electronics: materials, devices, and energy	The Hong Kong Polytechnic University 香港理工大学
09:30-09:45	Keynote	Małgorzata Zimniewska	Novel approach to the hemp textile material	Institute of Natural Fibers and Medicinal Plants National Research Institute, Poland 波兰国家研究所天然纤维和药用植物研究所
09:45 -10:00	Keynote	Samuel Chigome	Electrospun nanofiber membranes development and applications	Botswana Institute of Technology Research and Innovation 博茨瓦纳技术研究和创新研究所
10:00-10:10	Invited	Yaolin Zhu 朱耀麟	Near-infrared spectroscopy identification method of cashmere and wool fibers	Xi'an Polytechnic University 西安工程大学

10:10-10:20 Coffee Break

Moderator: Yaolin Zhu

10:20-10:35	Keynote	Yi Meng 孟毅	Textile fiber carbon footprint reduction technology and path	Yili Group 伊利集团
10:35-10:50	Keynote	Siliang Zhang 张思亮	Technology innovation, material foundation: investment opportunities and strategies in China's new material industry	Qinhe Capital Partners 勤合资本
10:50-11:00	Invited	Jian He 何建	Application of novel printing technologies in material science	Yizhi Technology (Shanghai) Co., Ltd. 仪智科技(上海)有限公司
11:00-11:10	Invited	Jun Gao 高俊	Application of wearable detection device based on biosys system	Shenzhen Refresh Biosensing Technology Co., Ltd. 深圳刷新生物传感科技有限公司
11:10-11:20	Invited	Yuefeng Zhou 周跃峰	The fabrication, research and application of UHMWPE fiber	Jiangsu Jonnyma New Material Co., Ltd. 江苏锦尼玛新材料股份有限公司

11:20-11:30 Coffee Break

Moderator: Zhongjie Huang

11:30-11:45	Keynote	Bhuvanesh Gupta	Functional materials for biomedical engineering	Indian Institute of Technology 印度理工学院
11:45-12:00	Keynote	Jiří Militký	Enhancing of parachute fabrics surface thermal resistance by combined coating	Technical University of Liberec 利贝雷茨技术大学
12:00-12:10	Invited	Mohanapriya Venkataraman	Fibrous multilayer structures for advanced applications	Technical University of Liberec 利贝雷茨技术大学
12:10-12:20	Invited	Azam Ali	Silver-plated stretchable elastomeric electrodes for electrotherapy applications	Technical University of Liberec 利贝雷茨技术大学
12:20-12:30	Oral	Kai Yang	Sandwich fibrous PCM encapsulations for thermal energy storage and personal temperature regulation	Technical University of Liberec 利贝雷茨技术大学

PARALLEL SESSION

Forum for Graduate Students
研究生论坛



Oct. 23, 2023 Morning (上午) Venue: Lily 3 (百合厅 3)

Moderator: Shuang Li

Time	Type	Speaker	Title	Affiliation
08:30-08:45		Hao Yu 俞昊	Opening Speech	Donghua University 东华大学
08:45-09:00	Oral	Hongyu Zuo 左宏瑜	Bioinspired Gradient Covalent Organic Framework Membranes for Ultrafast and Asymmetric Solvent Transport	Donghua University 东华大学
09:00-09:15	Oral	Xueqian Wang 王雪茜	Construction of chiral structures of supramolecular hydrogels and their biomedical applications	Shanghai Jiao Tong University 上海交通大学
09:15-09:30	Oral	Mehwish Naz	Gravity-Assisted Extraprotocellular Matrix EPCM based Assembly of Dual-Responsive Prototissues	Shanghai Jiao Tong University 上海交通大学
09:30-09:45	Oral	Jiabei Luo 罗加贝	Hydrogel-based interface for bioelectrical signals sensing	Donghua University 东华大学
09:45-10:00	Oral	Manqian Wang 王曼茜	A Heterogeneous Quasi-Solid-State Electrolyte Constructed from Electrospun Nanofibers for Lithium Metal Batteries	Fujian Normal University 福建师范大学
10:00-10:15	Oral	Haodong Zhang 张昊东	Switching from membrane disrupting to membrane crossing, an effective strategy in designing antibacterial polypeptide	East China University of Science and Technology 华东理工大学

10:15-10:30 Coffee Break

Moderator: Dengguang Yu

10:30-10:45	Oral	Yi Xing 邢毅	Electron-ion Hybrid Semiconductor Fibers for Artificial Neural Engineering	Donghua University 东华大学
10:45-11:00	Oral	Gang Xu 徐刚	Thermochromic Hydrogels with Dynamic Solar Modulation and Regulatable Critical Response Temperature for Energy-Saving Smart Windows	Southeast University 东南大学
11:00-11:15	Oral	Changzhi Han 韩昌志	The molecular design of conjugated microporous polymers for photocatalytic hydrogen evolution	Shaanxi Normal University 陕西师范大学
11:15-11:30	Oral	Weisi He 何微思	Design of nitrogen-rich conjugated microporous polymers for gas sensing applications	Donghua University 东华大学
11:30-11:45	Oral	Yuntian Fu 傅赞天	Thermoelectric Materials and Devices for Power Generation Application	Donghua University 东华大学

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Forum for Graduate Students
研究生论坛PARALLEL
SESSION

Oct. 23, 2023 Afternoon (下午) Venue: Lily 3 (百合厅 3)

Moderator: Kun Huang

Time	Type	Speaker	Title	Affiliation
13:30-13:45	Oral	Yan Yu 余严	Fabrication and application of polyphenylene sulfide ultrafine fiber	Donghua University 东华大学
13:45-14:00	Oral	Beibei Wu 吴蓓蓓	Supramolecular chiral nanofibers regulated cell behaviors for biomedical application	Shanghai Jiao Tong University 上海交通大学
14:00-14:15	Oral	Weinan Jiang 江伟男	Peptide-mimicking antifungal polymers	East China University of Science and Technology 华东理工大学
14:15-14:30	Oral	Manxian Li 李曼娴	Two Birds with One Stone: Engineering Siloxane-Based Electrolytes for High-Performance Lithium-Sulfurized Polyacrylonitrile Batteries	Fujian Normal University 福建师范大学
14:30-14:45	Oral	Yue Wang 王悦	Carbon materials derived from conjugated microporous polymers with Electromagnetic Absorption Properties	Donghua University 东华大学

14:45-15:00 Coffee Break

Moderator: Jiaxing Jiang

15:00-15:15	Oral	Fangzhou Zhang 张方舟	Structural Design of Hybrid Fibers and Electrocatalytic Nitrate Reduction	Donghua University 东华大学
15:15-15:30	Oral	Ruohan Zhang 张若菡	Long-Range Electronic Effect-Promoted Ring-Opening Polymerization of Thioctic Acid to Produce Biomimetic Ionic Elastomers for Bioelectronics	Donghua University 东华大学
15:30-15:45	Oral	Jiayang Xie 谢佳洋	Addressing MRSA Infection and Antibacterial Resistance with Peptoid Polymers	East China University of Science and Technology 华东理工大学
15:45-16:00	Oral	Kexiang Wang 王科翔	Design and performance study of covalent organic framework nanofiber separators	Donghua University 东华大学

颁奖评选优秀报告 Award Ceremony

PARALLEL SESSION

Materials Journal Development Forum
材料期刊发展论坛



Oct. 22, 2023 Afternoon (下午) Venue: Paris (巴黎厅)

Moderator: Zhigang Chen

Time	Type	Speaker	Title	Affiliation
16:00-16:05	Keynote	Meifang Zhu 朱美芳	Welcome speech	Donghua University 东华大学
16:05-16:15	Invited	Lu Shi 施璐	Publishing in Nature Nanotechnology	Nature Nanotechnology Springer Nature 施普林格·自然
16:15-16:25	Invited	Xin Li 李昕	What we look for in a Nature Materials paper	Nature Materials Springer Nature 施普林格·自然
16:25-16:35	Invited	Bo Weng 翁博	Introduction of Advanced Materials	Advanced Materials, Macromolecular Rapid Communications Wiley 威立
16:35-16:45	Invited	Tianyu Liu 刘田宇	Avoiding pitfalls when submitting to Wiley materials science journals	Small Structures Wiley 威立
16:45-16:55	Invited	Jiaqi Li 李佳琪	Advanced Functional Materials at a glance	Advanced Functional Materials, Small Science Wiley 威立
16:55-17:05	Invited	Yingjuan Huang 黄英娟	Publishing in Chinese Polymer Science Journals to build an academic dream	Chinese Journal of Polymer Science Institute of Chemistry, Chinese Academy of Sciences 中国科学院化学研究所
17:05-17:15	Invited	Shaowu Pan 潘绍武	Introduction and development of Advanced Fiber Materials	Advanced Fiber Materials Donghua University 东华大学
17:15-18:00	Face to Face Communication			
18:00-18:10	Group Photo			

POSTER PRESENTATIONS

NO.	TITLE	AFFILIATION	PRESENTER
P-A-01	Phenolic based porous carbon fibers with superior surface-area and adsorption efficiency for radioactive protection	Southern University of Science and Technology	Yufei Gao
P-A-02	Flexible and heat-resistant polyphenylene sulfide ultrafine fiber hybrid separators for high-safety lithium-ion batteries	Donghua University	Yan Yu
P-A-03	Carbon Nanotube Composite Fibers with Covalently Bonded Polyaniline for Flexible Supercapacitors	Korea Institute of Science and Technology	Junghwan Kim
P-A-04	基于多尺度结构设计的高强碳纳米管纤维连续制备技术	Peking University	Xiangyang Li
P-A-05	Synthesis and characterization of flame retardant polyamide with chemically bonded phosphoramidate co-monomer	Donghua University	Shuang Chen
P-A-06	Non-destructive multi-walled carbon nanotube-enhanced aramid fiber fabrics for ballistic and stab resistance	Peking University	Dan Yan
P-A-07	Mechanical behavior and microstructure analysis of 3D printed fiber reinforced composite using surface treated continuous CNT fiber filament	Korea Institute of Science and Technology	Junyeon Hwang
P-A-08	耐热、透明半芳香族聚酰胺的一锅法合成	Donghua University	Yongchang Cheng
P-A-09	Synthesis and characterization of high temperature resistant polyamide based on bioyl glutenediamine	Donghua University	Xinghua You
P-A-10	高强高剪切可原位还原氧化石墨烯 / 杂环芳纶复合纤维	Peking University	Ziyi Zhang
P-A-11	Fabricating ultrastrong carbon nanotube fibers via microwave welding interface	Peking university	Jiankun Huang
P-A-12	Microfluidic-Assembled Covalent Organic Frameworks@Ti3C2Tx MXene Vertical Fibers for HighPerformance Electrochemical Supercapacitors	Zhejiang Sci-Tech University	Xiaolin Zhu
P-A-13	薄荷改性锦纶 6 大生物纤维的制备及其性能	Baishiji Materials (Qingdao) Co., LTD	Yanming Liu
P-A-14	Impact of waste polyester/cotton fiber content and length on mechanical and thermal properties of reinforced polypropylene or low melting point polyester composites	Donghua University	Xinping Li
P-B-01	Construction of Porous Polypropylene-based Membrane with Ion Crosslinking in Amorphous Region	Donghua University	Ming Xie
P-B-02	N- 杂环卡宾催化的己内酰胺本体开环聚合制备纺丝级聚酰胺	Donghua University	Jiahui Zhang
P-B-03	聚醚醚酮纤维的表面改性及界面粘附	Donghua University	Qiuying Gou

POSTER PRESENTATIONS

NO.	TITLE	AFFILIATION	PRSENER
P-C-01	Ti-MOF-based biosafety materials for efficient and long-life disinfection via synergistic photodynamic and photothermal effects	Sichuan University	Lan Xie
P-C-02	Modulating the single-atom active sites of acceptors in COFs for enhanced photocatalytic hydrogen evolution	Donghua University	Anyang Qiu
P-C-03	微流控构筑可注射结构色凝胶纤维及其宏观组装研究	Jiangsu College of Engineering and Technology	Zhijie Zhu
P-C-04	Cellulose/PVA/Graphene composite photothermal aerogel membrane for solar-driven seawater desalination	Henan University of Technology	Mengya Shang
P-C-05	共轭微孔聚合物 / 石墨烯柔性超级电容器	Donghua University	Likuan Teng
P-C-06	Free-standing Y3+-doped TiO2 Nanofibrous Membranes with Enhanced Flexibility for High-performance Wearable UV Photodetectors	Liaocheng University	Ziliang Li
P-C-07	Engineering Zinc-Organic Frameworks-based Artificial Carbonic Anhydrase with Ultrafast Biomimetic Centers for Efficient Hydration Reactions	Sichuan University	Lin Li
P-C-08	湿纺构筑芳纶气凝胶相变复合纤维及其热管理性能研究	Peking University	Gang Xiao
P-C-09	湿法纺丝构筑纤维状锌离子电池柔性负极	Peking University	Yanyan Shao
P-C-10	石墨烯增强多元醇固 - 固相变材料及作用机制研究	Peking University	Xinyu Zhang
P-C-11	聚酰亚胺分子调控管界面结构制备高导热碳纳米管复合纤维	Peking University	Zhicheng Yang
P-C-12	碳量子点功能化胶体微球构筑光子晶体及其应用研究	Jiangsu College of Engineering and Technology	Zhijie Zhu
P-C-13	共轭微孔聚合物基仿生 3D 光热蒸发器用于海水淡化	Donghua University	Yuzhu Wang
P-C-14	调控 2D COF 层间的紧密堆积用于水蒸气吸附	Donghua University	Qihang Huang
P-C-15	调控酰肼基 COFs 骨架电荷性质用于染料吸附与降解	Donghua University	Mengqi Liu
P-D-01	Spraying Janus ANF/MXene films with Joule heating and thermal camouflage properties	Sichuan University	Yinghui Zhao
P-D-02	可连续电纺的氧化钨量子点纳米纤维 @ 石墨烯纤维用于电致变色纤维	Donghua University	Jing Shen
P-D-03	A high-sensitive wearable sensor based on conductive polymer composites for body temperature monitoring	Donghua University	Yaqi Geng
P-D-04	Biomass-Derived Soft Electrothermal Fabrics: Expanding New Energy Horizons with Carbon Nanotube Yarns	Donghua University	Hongmei Dai

POSTER PRESENTATIONS

NO.	TITLE	AFFILIATION	PRSENER
P-D-05	Highly Sensitive Fiber Pressure Sensors over a Wide Pressure Range Enabled by Resistive Capacitive Hybrid Response	Donghua University	Xiangyang Qu
P-D-06	面向高集成度、多功能电子器件的高透气性、图案化可拉伸液态金属纤维	ZheJiang Lab	Hengyi Li
P-D-07	基于偶氮苯基光热储能材料的光热织物研究	Zhejiang Shuren University	Liqi Dong
P-D-08	采用湿法纺丝和后拉伸工艺制备无极化 PVDF 基纳米复合纤维用于自供电压力传感应用	Donghua University	Liang Pan
P-D-09	Thermoplastic and Strain-Stiffening Nanocomposite Hydrogel with Hierarchical Double-Dynamic-Crosslinking Network for Customizable Artificial Skin	Donghua University	Xiaohui Yu
P-D-10	Preparation and Properties of PVDF/Chitosan/BaTiO ₃ Flexible Piezoelectric Composites	Donghua University	Wei Song
P-D-11	Interface-Anchored Covalent Organic Frameworks@ Amino-Modified Ti ₃ C ₂ T _x MXene on Nylon 6 Film for High-Performance Deformable Supercapacitors	Zhejiang Sci-Tech University	Mengyue Feng
P-D-12	Fiber-Shaped Stretchable Triboelectric Nanogenerator with a Novel Synergistic Structure of Opposite Poisson's Ratios	Zhengzhou University	Xiaoyang Guan
P-E-01	Preparation and properties of natural polysaccharide-based drug loaded oral disintegrating film	Donghua University	Xiaoyan Wu
P-E-02	改性壳聚糖基纳米纤维膜的绿色构筑	Donghua University	Tianyu Wu
P-F-01	Improved Antibacterial Properties of Polylactic Acid-based Nanofibers Loaded with ZnO-Ag Nanoparticles through Pore Engineering	Donghua University	Xiaolong Su
P-F-02	等离子蚀刻聚对苯二甲酸乙二醇酯织物的抗紫外线处理和耐久性	Donghua University	Tarig bakar
P-F-03	润湿性可调的纤维气凝胶用于高性能太阳能驱动的界面蒸发	Donghua University	Chengjian Xu
P-F-04	Rheological and crystallization properties of long-chain branched poly (butylene succinate) polyesters	Donghua University	Yong Chen
P-F-05	废旧棉再生浆粕聚合度对其 Lyocell 纺丝及纤维力学性能的影响	Donghua University	Kaihang Wang
P-F-06	基于微流控气喷纺丝构筑多层个人热管理织物	Nanjing Tech University	Ting Dong
P-F-07	The construction of C ₃ N ₄ /Ag ₂ S p-n semiconductor heterojunction coupled with Ag induced SPR effect on CF cloth for enhanced photocatalytic activity	Zhejiang Shuren University	Qingquan Xue

POSTER PRESENTATIONS

NO.	TITLE	AFFILIATION	PRESENTER
P-F-08	二氧化碳基离子型聚脲的可循环、阻燃、抗菌型胶黏剂	Donghua University	Xu Ou
P-F-09	废弃芦苇杆粉末填充聚丙烯复合材料性能探究	Shanghai Second Polytechnic University	Yurong Ma
P-F-10	自组装改性二乙基次磷酸铝及其在 PA66 玻纤复合材料里的应用研究	Shanghai Second Polytechnic University	Shangfeng Liang
P-F-11	Construction and Property of a Photoelectric Memristor Based on Silk Fibroin@Tungsten Disulfide	Donghua University	Xinglu Zhou
P-F-12	The effect of silk fibroin hydrogel with precise-regulated degradation rate on cell proliferation and chondrogenic differentiation	Donghua University	Tianhao Zhu
P-F-13	Environment-friendly Ti/Zn bimetallic catalyst prepared by in situ complexation for efficient synthesis of high molecular weight PPEt	Donghua University	Wufeng Shen
P-F-14	SYNTHESIS, MODIFICATION AND PROPERTIES OF PBAT	Donghua University	Ang Gao
P-F-15	Construction of Silk Fibroin Triboelectric Nanogenerator Based on Ionic and Interfacial Polarization Regulation	Donghua University	Yuchen Gu
P-F-16	A Potential Neural Interface Material of Silk Fibroin/PEDOT Conductive Film Prepared by Thermo-assisted Lift-off Technique	Donghua University	Zhano Hu
P-G-01	Multifunctional bacterial cellulose photothermal aerogels with multi-bonded network assisted by carbon nanotube	Donghua University	Dong Zhang
P-G-02	Wearable thermocell based on bacterial cellulose/polyacrylic composite gel for body heat harvesting	Donghua University	Yuhang Jia
P-G-03	Partial Sulfidation Strategy to NiFe-LDH@FeNi ₂ S ₄ Heterostructure Enable High-Performance Water/Seawater Oxidation	Tsingtao University of Science & Technology	Lei Tan
P-G-04	Coordination-driven Oriented Assembly of Mesoporous Carbon Nanorods with Fe _x N Active Sites for Efficient Activation of Persulfate	Donghua University	Minghao Li
P-G-05	Modulating Electronic Structures of Iron Clusters through Orbital Rehybridization by Adjacent Single Copper Sites for Efficient Oxygen Reduction	Donghua University	Chunhong Qi
P-G-06	具有多尺度结构和低蒸发焓的光热织物蒸发器开发，用于高效海水淡化	Donghua University	Jinjing Hu
P-G-07	Outlook on hydrogen economy and techno-economic analysis of hydrogen production Technologies	Donghua university	Xiaotong Wu

POSTER PRESENTATIONS

NO.	TITLE	AFFILIATION	PRESENTER
P-G-08	In-situ growth of heterojunction CdS/TiO ₂ nanofibers monolithic photocatalyst sheet for enhanced hydrogen evolution	Donghua University	Wenbo Li
P-G-09	Controllable synthesis and phase-dependent catalytic performance of dual-phase nickel selenides on Ni foam for overall water splitting	Donghua University	Faiza Meharban
P-G-10	Modeling and deciphering the correlation between orientation angle of active ceramic fiber filler and ionic conductivity in composite solid electrolyte for lithium battery	Donghua University	Kai Chen
P-G-11	Building Interconnected Architectures with Silicon-based Nanospheres and TiN Ionic Fence Enables Ultrahigh Electrochemical Stability	Donghua University	Miaomiao Jiang
P-G-12	Sustainable All-in-One Coatings for Energy-Free Summer Cooling and Winter Warming	Shaanxi University of Science and Technology	BingYing Liu
P-I-01	Highly flexible and thermally insulated hydrophobic modified cellulose-silica composite aerogel	Donghua University	Junjie Zheng
P-I-02	Development of aerogel/polyester composite fibers and fabrics with thermal insulation properties and research on their service performance	Donghua University	Tianxiang Bai
P-I-03	Tailoring polymer network structures to achieve high porosity and unprecedented toughness in ambient-dried aerogel fibers	Donghua University	Xiangning Hu
P-J-01	Ultrafast dynamic response of waterproof stretchable strain sensors based on wrinkle-templated microcracking	Zhengzhou University	Lele Li
P-J-02	二氧化碳基离子型聚碳酸酯的制备及应用	Donghua University	Yongheng Cui
P-J-03	CO ₂ Grafted Cellulose Device for Photothermal Electric Energy Conversion	Donghua University	Legeng Li
P-J-04	Sterically regulated halogen-free bifunctional ionic liquids for catalytic conversion of CO ₂ into cyclic carbonates	Donghua University	Heming Zhang
P-J-05	耐溶剂、耐迁移的 CO ₂ 基聚合物染料的合成	Donghua University	Yajuan Niu
P-J-06	碱致高韧性、强导电、强粘附两性离子水凝胶及其水下可穿戴自供电应变传感器	Dezhou University	Kewei Zhao
P-J-07	光热双响应 Janus 结构水凝胶驱动器的机理探讨	Dezhou University	Jingliu Wang
P-J-08	具有温度梯度和葡萄糖双响应的水凝胶基可视化柔性贴片的构筑及其应用研究	Dezhou University	Yue Wu
P-J-09	聚丙烯酰胺水凝胶的分子设计、功能化及其可穿戴应变传感器	Dezhou University	Fei Wang
P-J-10	A Molecularly Engineered Zwitterionic Hydrogel with Strengthened Anti-Polyelectrolyte Effect: from High-Rate Solar Desalination to Efficient Electricity Generation	Zhejiang University of Technology	Mengjie Si

POSTER PRESENTATIONS

NO.	TITLE	AFFILIATION	PRESENTER
P-J-11	Zwitterionic ionogels with water-mediated stiffness transition for shape memory and moisture electric generation	Zhejiang University of Technology	Shuaibing Wang
P-J-12	Flexible Magnetized Viscometer Based on Damping Effect	University of Macau	Yuanzhe Liang
P-J-13	A Ternary Human-machine Interface based on the Intrinsic Polarity of In-Plane Magnetized Micropillars	University of Macau	Sen Ding
P-J-14	海藻酸基气凝胶纤维高效吸附亚甲基蓝	Dalian Polytechnic University	Fucheng Guan
P-J-15	Tailoring dynamic mechanism of covalent adaptable polyurea networks by varying the category of isocyanates	Donghua University	Yifan Ge
P-J-16	Dorsoventral Gradient Hydrogel Fiber Actuators Visualized by AIEgen-Conjugated Nanoparticles	Donghua University	Lin Feng Chen
P-J-17	超高电导率和强的机械性能的多功能杂化水凝胶的制备及多功能应用	Donghua University	Qingya Zhou
P-K-01	Integrating large specific surface area and tunable magnetic loss in Fe@C composites for lightweight and high-efficiency electromagnetic wave absorption	Donghua University	Yinghan Zhang
P-L-01	Activation-Retardation in Gel inks for Additive Manufacturing of Transparent Silica Aerogels	Donghua University	Mengyue Gao
P-L-02	Surface modifications of short quartz fibers (SQFs) and their influence on the physicochemical properties and in vitro cell viability of dental composites	Donghua University	Junjun Wang
P-N-01	Highly hydrophobic and antibacterial cellulose nonwovens for surface layer of sanitary products	Donghua University	Mei Liu
P-N-02	Preparation and structural properties of self-curling side-by-side polyamide-based elastic fibers	Donghua University	Yuhao Wu
P-P-01	预氧化温度和加热速率对木质素碳纤维微观结构的影响	Donghua University	Guosheng Jia
P-P-02	Confinement fluorescence effect of AIE luminogens in polymer to visualize crystalline structure	Donghua University	Zhenduo Qiu
P-P-03	一种高吸液抗菌止血的多孔人造皮肤的构筑	Donghua University	Yuhan Xia



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Advanced Fiber Materials encourages the exchange of ideas among chemists, physicists, material scientists, energy/environmental/biomedical researchers, engineers and other researchers who are active at the frontiers of all fiber-related fields. **Advanced Fiber Materials** publishes original and review articles on fiber and fiber-related device as well as their applications, including:

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TUORen
医用耗材智能方案提供商

Tuoren Medical was founded in 1993 and has developed into a modern enterprise that produces and operates disposable medical devices which integrates R&D, production, sales, service and culture.

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集团拥有员工
More than 10,000 employees

110 余项

拥有国家及省级荣誉
more than 110 national and provincial honors



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Medical business involves anesthesia, nursing, surgery, intervention, pain, testing, Eisai protection, blood purification eight fields, with nearly 400 medical device registration certificates.



ENTERPRISE 企业业务

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The consumer business is committed to building the first brand of antibacterial daily necessities in China, focusing on the application of mature antibacterial technology to daily necessities, so that the public can reduce the risk of illness.



PROGRAM

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More than 1050 professional scientific research team

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More than 1,000 domestic and foreign intellectual property rights

20 余项 国家及省部级项目
Participated in more than 20 national and provincial projects

80 余项 科学技术奖励
with more than 80 science and technology awards

68 余项 主导和参与标准制修订
Led and participated in the revision of 68 standards



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The “Key Laboratory of Textile Fibers and Products of the Ministry of Education” is guided by the concept of “modern textiles, large textiles, and super textiles” and strives to comprehensively enhance the scientific, economic and social value of textile fibers and products to serve national and regional economic development. At present, the laboratory has developed into a carrier to promote the joint innovation of domestic and foreign research institutes and the transfer of scientific and technological achievements. The laboratory has formed a complete fiber material processing and modification, fiber and product structure analysis and performance testing platform. The laboratory has established a pilot base for “Innovation and Application of Fiber Materials in Interdisciplinary Fields” with a total construction area of 8,000 m².

实验室拥有中国工程院院士，俄罗斯自然科学院院士，教育部长江学者，国家杰出青年，国家千人计划，中组部万人计划等一批国家高层次人才；产出国家级科技奖励一等奖 1 项、二等奖 3 项，省部级科技奖励 30 余项，是引领湖北省乃至中西部地区纺织纤维材料技术创新，推动国家纺织行业进步的重要平台。

The laboratory has a number of national high-level talents such as academicians of the Chinese Academy of Engineering, academicians of the Russian Academy of Natural Sciences, Yangtze River Scholars of the Ministry of Education, National Outstanding Youth, National Thousand Talents Plan, and Ten Thousand Talents Plan of the Organization Department of the Central Committee of the Communist Party of China. The laboratory has produced 1 first-class and 3 second-class national science and technology award. In addition, the laboratory has won more than 30 provincial and ministerial science and technology awards. It is an important platform to lead the technological innovation of textile fiber materials in Hubei Province and even the central and western regions and promote the progress of the national textile industry.

实验室确立了纤维分离净化材料、纤维基电子能源材料、纤维基生物医用材料、功能聚合物及纤维材料 4 个研究方向，旨在全面提升纺织纤维及制品的科学价值、经济与社会价值，强化研究成果的服务国家战略的功能。

The laboratory has established four research directions: fiber-based separation and purification materials, fiber-based electronic energy materials, fiber-based biomedical materials, functional polymers and fiber materials. The laboratory aims to comprehensively enhance the scientific, economic and social value of textile fibers and products, and strengthen the function of research results in serving national strategies.



江苏洪泽经济开发区

Jiangsu Hongze Economic Development Zone

江苏洪泽经济开发区位于江苏省淮安市洪泽区，创建于 2001 年 10 月，2006 年 4 月被批准为省级经济开发区，已开发建设面积 20.59 平方公里，远景规划面积 30.1 平方公里。先后获批国家知识产权试点园区、国家绿色差异化纤维生产基地、省级智慧园区、全省简政放权“开办企业”先进开发区、省知识产权试点园区成绩突出单位、省循环化改造试点园区、省特种纤维纺织产业园区、省苏北地区双创人才示范集聚试验区、省级高新纺织产业基地等荣誉。

洪泽经济开发区坚持产城融合，建设集生产、生活、生态“三生融合”的文明典范园区。园区基础配套完善，已构建“四纵四横”路网、管网，园区内所有道路均已配备雨污水管网，沿线企业可就近接管，绿化面积达 120 万平方米，路灯亮化工程实现全覆盖，实现通路、通蒸汽、通天然气、通水、通讯、通排水排污、通电、通有线电视、通宽带等九通。

经过多年发展，洪泽经济开发区差异化纤维主导产业初具规模，园区内纺织企业共有 59 家，其中工业规模以上企业 33 家，占 56%。2022 年度实现开票销售 45.36 亿元，实现税收 6684.60 万元，同比增长 36.62%、15.06%。以台华新材为链主的高新尼龙纺织多品类、差异化锦纶材料产业链集群，以佩浦科技、三联新材料为链主的绿色再生、差异化涤纶材料产业链集群，以超美斯、奥维芳纶为链主的芳纶纤维材料产业链集群，并在苏北已树立差异化纤维特色产业园区的地位。洪泽经济开发区紧盯纤维材料特色产业定位，将围绕政府招商政策扶持、国资公共平台载体建设、市场高端品牌对接导入、企业差异化快速反应生产、协会行业标准编制助力、资本集聚资金融通、高校科技成果转化、一站式贴心服务等方面下功夫，构建纤维产业发展生态圈，成为最适合纤维材料投资的热土。

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Youxing Shark (Shanghai) Technology Co.,Ltd

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有行鲨鱼（上海）科技股份有限公司成立于 2007 年，是一家专业从事科技新材料封装的研发及产业化的高新技术企业，产业遍及三大领域：新能源动力电池封装、高端电子半导体封装、绿色新材料粘接。公司坚持聚焦绿色新能源动力电池、高端智能终端、绿色新材料等国家战略新兴产业和“卡脖子”环节，通过关键材料的技术开发、生产与销售，实现进口替代，以满足下游应用领域前沿需求并提供创新性解决方案。有行鲨鱼深耕 16 年，在细分领域市场占有率排名第一。目前公司已获评国家专精特新小巨人企业、高新技术企业、上海市科技小巨人（培育）企业、上海市品牌培育示范企业、金山区专利示范企业、瞪羚企业、金山区企业技术中心等荣誉称号。“有行鲨鱼”品牌产品已形成了核心竞争力，产品同时远销缅甸、越南等海外市场。

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- ☒ 罐装胶
- ☒ 密封胶

(3) 先进电子 & 半导体封装解决方案

有行鲨鱼 3 大系列产品，为先进的电子 & 半导体芯片封装，提供替代进口材料的应用解决方案

- ☒ 有机硅液态光学胶
- ☒ 半导体底部填充
- ☒ 摄像机模组胶

近三年主营产品市场占有率行业排名前三名，目前公司冲刺 2025 年科创板上市，打造科技新材料世界级企业。



公司简介 COMPANY PROFILE

山西中电科新能源技术有限公司隶属于中国电子科技集团有限公司旗下中电科电子装备集团有限公司。位于山西转型综合改革示范区潇河产业园北格街8号，于2010年5月25日成立，注册资本39040万元。

公司致力于高纯石墨、碳基材料装备研发制造及产业化验证，建立关键核心装备研发中心和生产基地及相关制造工艺技术产业化验证平台，研制装备主要应用于光伏行业、锂电行业、航空航天、消费电子等领域，尤其解决三代半导体及光伏领域的装备国产化替代，所提供的高温纯化装备技术水平国际领先。

涉及行业



|| 航空航天



|| 汽车行业



|| 锂电行业



|| 光伏行业



|| 电子行业



|| 集成电路

企业使命

“引领电子科技,构建国家经络,铸就安全基石,创造智慧时代”。

企业愿景

中国电科人的梦想就是成为电子信息领域具有全球影响力的科技型企业集团。电子信息科技是我们的源头和根本，坚定地植根于电子信息领域是我们永远不变的选择。我们要在这个领域不断地生根、开花、结果、繁荣。

企业价值观

核心价值观是关于中国电科“什么才是最有价值”的认知、主张和态度的核心判断标准，是处于引领和主导地位的价值取向。价值信条是中国电科价值观体系的支撑要素，是核心价值观的重要组成。核心价值观与其统领的价值信条，共同构成了中国电科的价值观体系。

我们的核心价值观是“责任、创新、卓越、共享”。

企业定位

依托碳基材料制备技术，以装备制造及工艺服务为核心，成为碳基材料装备研发及应用领军企业。

企业科研实力

公司被认定为山西省级企业技术中心，是山西省半导体产业联盟副理事长单位、山西省硅基光伏新能源中试基地、太原理工大学物理光电与工程学院实习实践基地。





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 山西转型综合改革示范区潇河产业园北格街8号中国电科电子信息科技创新产业园

上海汉唐传动设备有限公司 Shanghai Highten Transmission Equipment Co., Ltd.

汉唐传动致力于为传动和输送带领域提供全面解决方案。汉唐传动通过整合全球传输带开发和应用团队，以传统的国际传输带 ODM 厂为基础，以自主创新的 OEM 产品为方向，以成品精工制造为核心，成为工业传输带一站式专业供应商和服务商。汉唐传动用心于市场需求，不断开发创新，依托纺织和高分子专业的研发部和高校实验室、国际专业实验室的合作，以卓越的人才优势、行业知识及制造商经验，来解决各种市场应用和需求。

HIGHTEN is devoted to providing comprehensive solutions for transmission belts and conveyor belts. Now Highten has been a one-stop professional supplier and service provider by intergrating global developed application team, basing on the traditional international transmission belts of ODM plant, innovating OEM products and elaborating the finished products. Highten focuses on the market needs, with constant development and innovation, meanwhile we have cooperation with R&D department and university laboratory as well as international professional laboratory. Highten aims to solve various applications and requirements, because we have outstanding talents, industry knowledge and enough experience in manufacturing.

嘉华尼龙
PRUTEX NYLON

Global Recycled Standard

OEKO TEX®
STANDARD 100

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PRU DRESSING PRO LIVING

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美好生活缔造者
Sustainable fashion Leader
Creator of a better living

PRUTAC®
新一代高性能锦纶

PRUECO®
再生环保锦纶

关于嘉华

嘉华尼龙隶属于浙江台华新材料股份有限公司，台华于2017年上市，聚焦差异化、功能性和可持续发展，在智能制造、绿色环保上下功夫，拥有完整的锦纶纺丝、织造、染色、印花及后整理一体的全产业链生产设备及专业团队。借助母公司完整产业链优势，嘉华尼龙可快速自我验证新产品，再投向市场，并额外为客户提供织染等技术支持，为新产品的开发提供了源源不断的动力和保障。

Prutex Nylon Co., Ltd. is one SBU of Zhejiang Taihua New Materials Co., Ltd., which was listed in 2017 and has integrated facilities for spinning, weaving, dyeing and finishing. With our leading facilities and management team, Prutex provides innovative and differentiated products based on market needs and keeps working on the sustainability by leading the development of recycled nylon products.

嘉华尼龙深扎中国，且放眼世界，提供品种规格齐全、国际品牌认可、自主创新的功能性锦纶6和锦纶66，行业领先产品PRUTAC®锦纶66和PRUECO®再生锦纶深受国内外品牌青睐。深耕二十余载，嘉华尼龙致力于纺织行业服装问题解决，带动梭织、针织、织带、无缝等行业产品创新与升级，为全球消费者针对性提供适用于运动、户外、健身、内衣、家居等各生活场景的服饰，引领可持续时尚，缔造美好生活，成为垂直一体全球智能化环保锦纶行业的领导者和中国锦纶66领导者。

Prutex Nylon provides a wide range of nylon 6 and nylon 6.6, which have been qualified by international customers and brands. We commit to providing innovative products for all enduses like woven, knits, ribbon, hosiery and seamless. Fabrics with our nylon fiber cover all segments such as sports, outdoor, fitness, underwear, house holding, etc.



微信公众号

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正道海洋科技 ZHENGDAO OCEAN TECHNOLOGY

江苏正道海洋科技有限公司(简称:ZTOC)坐落于江苏省南通市,主要从事陆地油田、海上油田、城市管网、化工及建筑等领域金属管道非金属化的研究、开发与应用。主导产品为陆地油田用连续增强塑料复合管,浅海连续柔性管,聚乙烯(PE)城市燃气、给水管道,化工、建筑用给水、供热聚丙烯(PP)管道等几大系列。主要客户网络分布欧洲、北美、南美、中东、东南亚、非洲以及国内中石油,中石化,中海油。

Jiangsu Zhengdao Ocean Technology Co., Ltd., (abbr. ZTOC) is located in Nantong, Jiangsu province, mainly engaged in onshore oil field, offshore oil field, urban pipe network, chemical industry, construction field of metal pipeline nonmetallic research, development and application. The main products include continuous reinforced plastic composite pipe for onshore oilfield, shallow water RTP, polyethylene (PE) city gas and water supply pipeline, chemical industry and construction water supply, heating polypropylene (PP) pipeline and other major series. The main customer network distributed in Europe, North America, South America, the Middle East, Southeast Asia, Africa and domestic market, such as CNPC, Sinopec and CNOOC.

秉承“持续创新,让管道传输更便捷、更节能、更环保”的发展方向,一直致力于油田金属管道非金属化的研究与开发,针对油田金属管道易腐蚀、易结垢、易结蜡,现场连接防腐处理难控制,施工成本高等特点,研制出连续、柔性、耐腐蚀、不结垢、不结蜡、可通电加热新型连续复合非金属管道。

Adhering to the development direction of “continuous innovation, making pipeline transmission more convenient, more energy saving and more environmental protection”, the company has been committed to the research and development of non-metalization for metal pipelines in oil field, aiming at the characteristics of easy corrosion, easy scaling and easy wax formation of oil field metal pipelines, difficult control of on-site connection anti-corrosion treatment, and high construction cost. A new type of continuous composite non-metallic pipe with continuous, flexible, corrosion-resistant, no scale, no wax and electric heating is developed.

“持续创新,竭诚服务,创造价值,回报社会”始终是我们坚持的经营宗旨。公司经营团队由行业专家领军,具有丰富的专业知识和不断创新的经营理念。团队核心成员曾在研究所、大型企业、美国知名公司长期从事研发、设计、生产、管理和销售,他们对高分子材料在石油化工领域的应用有深刻的认识,积累了丰富的技术创新、企业经营、市场开拓的经验。

“Continuous innovation, Dedicated service, Create value, Return to society” has always been our business purpose. The company’s management team is led by industry experts, with rich professional knowledge and continuous innovation of business philosophy. The core members of the team have been engaged in research and development, design, production, management and sales for a long time in research institutes, large enterprises and well-known companies in the United States. They have a profound understanding of the application of polymer materials in the field of petrochemical industry, and have accumulated rich experience in technological innovation, enterprise management and market development.

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公司简介 Company Profile

上海昱品通信科技股份有限公司是专业从事光纤、光缆设备研发和生产的企業。研发团队由从事光纤、光缆专用设备的丰富经验的人士组成。公司技术力量雄厚，新品开发能力强，能为客户提供交钥匙工程。公司已通过ISO9001质量体系认证，产品通过CE认证。光纤光缆设备不仅赢得了中国大多数的光纤光缆知名厂家支持，还远销几大洲中许多个国家，诸如，美国，荷兰，俄罗斯，白俄罗斯，土耳其，意大利，罗马尼亚，澳大利亚，印度尼西亚，印度和越南等等。

公司一贯执行的质量管理体系，赢得了客户对我们的技术，质量和服务上的一致信赖和好评。今后公司还将继续为国内外的客户提供最新、优质的产品。

Shanghai Yupin Communication Technology Co., Ltd. is specialized in optical fiber and optical cable machine researching and manufacturing. Most technicians and developers have many practical experiences in optical fiber communication machine manufacturing field, and have strong technical renovation and Innovation power. We can provide customer the turnkey project. Our company has passed ISO9001-2000 certificate, and got the CE certificate. The equipments have been sold to many optical fiber and cable manufacturers of China, and also exported to many countries around the world, such as U.S.A, Netherlands, Russia, Byelorussia, Turkey, Italy, Romania, Australia, Indonesia, India and Vietnam, etc. Under strict quality control system, we received customers' trust on advanced technology, supreme quality and satisfactory services. In the future we still provide up-to-date and high quality products for customers both at home and abroad.



公司特聘国家光纤传感技术
领域著名院士为技术顾问



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SHANGHAI YUPIN COMMUNICATION TECHNOLOGY CO., LTD.

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企业简介 Business Profile

江苏欣战江纤维科技股份有限公司成立于2010年3月，致力于车规级有色涤纶长丝的研发、生产及销售，已形成了从色母粒加工、原液着色纺丝，到加弹、空变一条龙的化纤全产业链高新技术企业，是国内规模较大、专业化程度较高的车规级有色涤纶长丝生产企业，综合实力居行业第一。

Jiangsu Xinzhanjiang Fiber Technology Co., Ltd. was established in March 2010, dedicated to the research and development, production, and sales of automotive grade colored polyester filament yarns. It has formed a high-tech enterprise in the entire chemical fiber industry chain, from color masterbatch processing, dope dyed spinning, to texturing and air transformation. It is a large-scale and highly specialized automotive grade colored polyester filament production enterprise in China, with comprehensive strength ranking first in the industry.

欣战江高度重视长期发展战略，首创的零色差、低摩擦和高耐候等关键技术填补了国内在该领域的空白。公司取得质量、环境和职业健康安全管理体系认证、知识产权管理体系、两化融合管理体系认证，通过再生认证、生态纺织品认证，被评为绿色设计产品，先后获得中国专利奖优秀奖、中纺联科技进步二等奖、专精特新中心企业、瞪羚企业等荣誉，得到社会各界的高度认可。

Xinzhanjiang attaches great importance to long-term development strategy, We have obtained certifications for quality, environment, and occupational health and safety management systems, intellectual property management systems, and integrated management systems. We have also obtained GRS certification and Oeko-tex certification, our product has been rated as a green design product. We have successively won the Excellent Award of the China Patent Award, Second Prize of Science and Technology Progress Award of China Textile Industry Federation, Specialized, refined, and innovative center enterprise, Gazelle Enterprise.



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上海华灏化学有限公司

HH Chemical Co., Ltd.

华灏化学是一家集研发、生产、销售于一体的生物基材料应用解决方案供应商，拥有世界领先的生物法 PDO（1,3-丙二醇）生产技术和独特的 PTT 聚酯（聚对苯二甲酸丙二醇酯）生产销售体系。公司以非粮生物基材料研发和市场需求为驱动，打通 PDO-PTT 全产业链，扩大了 BIO-ESG 在日常生活中的应用场景落地。

公司致力于打造 PDO-PTT 产业链的全球领先生物基材料应用产品体系，首创 BIODEX®生物基消费材料品牌。产品应用领域涉及纺织服装、食品包装、通信电子、汽车、新能源、生物医药、航空航天、日化消费等，产品体系包含生物基 PTT、PLA、PBS、PHA、PE、染料、催化剂等。

BIODEX®纤维是一项突破性的新型生物基聚合物解决方案，不仅具有符合国际潮流的可持续发展和环保主题，而且具有多种功能纤维的优良特性，其“多功能”特性为面料提供了更多可能性。公司开发的 BIODEX®长纤维具有“伸展性”、“柔软性”及“形态稳定性”等多种特点。目前公司特有的四大 BIODEX®长纤维产品系列有 Silver、Cloud、3GT、SBS，以“更绿、更弹、更柔”的优异特性助力传统纺织业应用升级。

我们和新加坡国立大学 NUS 共同成立了 HH@NUS R&D Center 不断为生物技术创新赋能，同时打造了 BIODEX®生物基材料品牌，并已在中国、日本、东南亚、欧盟和北美地区注册，随着知名度的不断提升，已经有越来越多的生物基材料加入 BIODEX®产业链和供应体系。

BIODEX®系列产品已通过 ISCC、GRS、FDA、OEKO-TEX 100 以及 BP 日本生物基塑料协会等多项绿色安全的国际可持续认证及注册会员，为全球客户提供安全、稳定可追溯的供应体系。

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福建百宏集团始建于 2003 年，总部位于世界文化遗产地——福建省晋江市，占地面积 3500 亩。集团是以聚酯新材料，**涤纶长丝 (POY / DTY / FDY)、工业丝、聚酯薄膜、聚酯瓶片、ES 纤维**全产业链发展的国际型企业，拥有世界领先的技术装备，聚酯年设计产能 368 万吨。2011 年在香港联合交易所上市（百宏实业股票代码：2299HK），下辖中国晋江、越南西宁两大产业基地，旗下子公司福建百宏聚纤科技实业有限公司、福建百宏新材料实业有限公司、越南百宏实业有限公司，企业竞争力和产品品牌价值均位列国内行业前列。

Fujian Billion Group was founded in 2003, the headquarters is located in the world cultural heritage site - Jinjiang City, Fujian province, covers an area of 2333333.33 m². The Group is an international enterprise developing the whole industrial chain of polyester new materials, polyester filament yarn, polyester industrial yarn, polyester film and polyester bottle chips, with the world's leading technology and equipment, and the annual design capacity of polyester is 3.68 million tons. In 2011, it was listed on the Stock Exchange of Hong Kong (stock code: 2299HK). It has two industrial bases in the Jinjiang City of China and Xining Province of Vietnam. Its subsidiaries are Fujian Billion Polymerization Fiber Technology Industrial Co., LTD., Fujian Billion High-tech Materials Industrial Co., LTD., Billion Industrial (Vietnam) Co., LTD., and its enterprise competitiveness and product brand value are at the forefront of the domestic industry.



百宏集团把发展智能制造作为企业战略重点，承担纺织行业首个智能制造新模式项目，开发出涤纶长丝产品质量在线检测系统，获批为“智能制造标杆企业”。搭建**国家级企业技术中心、国家级实验室和院士工作站**等科研创新平台，深耕自主科技研发，与国家重点高校联合研发新产品，打造核心竞争力，拥有 60 多项发明专利。同时得到了各级部门的认可，获评“中国制造业民营企业 500 强”，“国家技术创新示范企业”、“全国五一劳动奖章”、“国家火炬计划重点高新技术企业”、“全国纺织工业先进集体”、“中国质量标杆企业”、“福建省优秀民营企业”、“泉州市功勋企业”等荣誉称号。

Billion Group takes the development of intelligent manufacturing as the strategic focus of the enterprise, undertakes the first intelligent manufacturing new model project in the textile industry, develops the polyester filament product quality online detection system, and is approved as an "intelligent manufacturing benchmarking enterprise". It has built a national enterprise technology center, national laboratory and academician workstation and other scientific research and innovation platforms, deeply cultivates independent scientific and technological research and development, and jointly develops new products with national key universities to create core competitiveness, and has more than 80 invention patents. At the same time, it has been recognized by departments at all levels and was awarded "Top 500 Private Manufacturing Enterprises in China", "National Technological Innovation Demonstration Enterprise", "National May 1st Labor Medal".

公司秉持“**致力于为人民提供健康绿色产品，成为全球消费品原料优质供应商**”为使命，实施“创绿色产品”为经营理念。倾力打造百年品牌，以专业的技术和认真的态度为全球客户提供优质的产品和服务。The company adheres to the mission of "providing healthy and green products for the people, becoming a high-quality supplier of global consumer goods raw materials", and implements the business philosophy of "creating green products". Strive to build a century-old brand, with professional technology and serious attitude to provide high-quality products and services for global customers.

上海安诺其集团股份有限公司

Shanghai Anoky Group Co., Ltd.

上海安诺其集团股份有限公司（股票简称：安诺其，股票代码：300067），是一家以精细化工为主业，新消费、环保新材料协同发展的高科技产业集团。先后获得“国家纺织染化料产品开发基地”“中国染料百年优秀企业”“中国最具成长性上市公司”“高新技术企业”“上海市创新型企业”“上海民营制造业百强”等荣誉称号。

ANOKY is a high-tech industry group with Fine Chemical Industry as its main business and coordinated development of New Consumption Industry, Environmental Protection and New Materials Industry. We have successively received honorary titles such as "National Textile Dyeing and Chemical Product Development Base", "China Dyeing Industry Centennial Excellent Enterprise", "China's Most Growing Listed Company", "High tech Enterprise", "Shanghai Innovative Enterprise", and "Top 100 Private Manufacturing Enterprises in Shanghai".

精细化工主业专注于为服装、家纺等领域中高端客户提供新型纺织面料和满足各种特定印染需求的全面染整解决方案，依托各智能制造基地，生产分散染料、活性染料、酸性染料、数码原粉及墨水等产品系列，并向上游中间体延伸。公司建有以自主研发为主、产学研相结合的技术研发体系，在染料、中间体的技术开发、中试生产和应用服务等领域具备核心竞争力，拥有国家授权专利 136 件，承担国家、省、市级科技项目超过 50 项，与清华大学联合研发的中间体微反应项目，已获批为国家科技部重点研发计划。公司投资 10 亿建设的 5 万吨高档差别化分散染料项目预计 2023 年底投入试生产，将提升安诺其染料产能达到行业前列。

The main business of Fine Chemicals focuses on providing new textile fabrics and comprehensive dyeing and finishing solutions to high-end customers in the fields of clothing, home textiles, etc., relying on various intelligent manufacturing bases to produce products such as disperse dyes, reactive dyes, acid dyes, digital raw powder and ink, and extending upstream to intermediate products. The company has established a technology research and development system based on independent research and development, combining production, education and research. It has core competitiveness in the fields of dye and intermediate technology development, pilot production and application services. It has 136 national authorized patents and has undertaken more than 50 national, provincial and municipal science and technology projects. The intermediate micro-reaction project jointly developed with Tsinghua University has been approved as a key research and development plan of the Ministry of Science and Technology. The company has invested 1 billion yuan to build a 50,000-ton high-end differential disperse dye project, which is expected to be put into trial production by the end of 2023, and will enhance the dye production capacity of ANOKY to the forefront of the industry.

在新消费领域，安诺其与百度合作研发的区块链溯源平台和版权综合服务平台，在设计创作、IP 孵化、定制开发、资源整合、供应链服务、产业化应用等方面推动新消费模式的发展。

In the New Consumption field, ANOKY and Baidu have jointly developed a blockchain traceability platform and a copyright integrated service platform, which promote the development of new consumption models in design creation, IP incubation, custom development, resource integration, supply chain services, and industrial application.

纳米单颗粒表征专家

瑞芯智造（深圳）科技有限公司，国家高新技术企业，拥有全球领先的创新团队和核心产品。具备的原子级别（1 纳米以下）精度微纳加工能力，结合全球首创的光刻固态纳米孔芯片技术，打造世界领先的纳米颗粒（浓度、粒径、zeta 电位、形态）检测平台。

NanoCoulter —— 纳米库尔特粒度仪，采用新一代库尔特原理的电学检测方法，粒径分辨率可达到 1 nm。依次检测样本中每一个颗粒，实现真正意义上的**纳米单颗粒检测**，**数据精度媲美电镜**，一次测试可获得多维度颗粒表征数据（**粒径、浓度、zeta 电位等**），为科学研究、生产品控、医药研发、疾病诊断等领域，提供精准支持；更加快速、精确的助力病毒颗粒、脂质体、外泌体等细胞外囊泡、乳胶微球、纳米磁珠、无机纳米材料等的研究和表征质控。

始终致力于给客户id提供全方位的颗粒表征分析方案，打造世界一流的纳米颗粒检测方法！

Resun (Shenzhen) Technology Co., Ltd. (ResunTech) is located in Guanlan Yili Science and Technology Park, Longhua District, Shenzhen, China. It brings together a group of professional talents from well-known universities and research institutions such as Swiss Federal Institute of Technology, Tsinghua University, Peking University, Chinese Academy of Sciences, Wuhan University, Huazhong University of Science and Technology, Sun Yat sen University. ResunTech has multiple invention patents, utility models, software copyrights, and other intellectual property rights. It is a Chinese national high-tech enterprise with a globally leading innovation team and core technology. And It has obtained financing of nearly 100 million yuan from domestic and foreign frontline investment institutions.

The founding team, with over 10 years of work experience and technical expertise in Switzerland, has mastered the atomic level (below 1 nm) precision microfabrication capability and developed the world's advanced nanopore technology for generating nanoparticle chips. The chips accurately characterize nanoparticles through nano Coulter technology, achieving a single particle detection technology with accuracy comparable to that of electron microscopy. Applied to the detection of nanoparticles (particle size, concentration, zeta potential, etc) and single molecule detection (femtogram level protein immuno-based detection).

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服务热线：400 660 7966

网址：www.resunbio.com



颗粒之窗



瑞芯智造公众号



企业官方视频

上海良时智能科技股份有限公司(股票代码: 837430 厚积薄发 持续创新), 创建于1993年, 位于上海临港自贸新片区占地约84亩(约56000m² 104区块), 为全球客户提供智能制造和表面处理系统解决方案, 从业30年, 是一个集研发、设计、制造、工程安装、工程咨询于一体的专业化制造及自动化智能控制系统集成公司(上海市高新技术企业), 能为客户解决:

Shanghai Liangshi IntelRobot Technology Corporation (Stock code: 837430, Accumulate and Continue to Innovate) was established in 1993, located in Shanghai Lingang Development Zone, covering an area of 14 acres (approximately 56000m² in Parcel #104). It is a company with capabilities of R&D, manufacturing, installation and consulting in the automated and integrated systems. Known as a Shanghai Hi-Tech Enterprise, it provides solutions to the industries in the following areas with its 30 plus years of experiences.

1、专业表面化学前处理、喷抛丸、喷丸强化设备、冷热喷涂和涂装设备工艺系统解决方案及工艺装备;

Professional surface chemical pre-treatment, shot blasting, shot strengthening equipment, cold and hot spraying and coating equipment, process system solutions and process equipment

2、专业提供智能制造: 数控自动化、机器人技术应用工艺系统解决方案及工艺装备和数字孪生智慧工厂;

Professional provision of intelligent manufacturing: CNC automation, robot technology application, process system solutions and process equipment, and digital twin smart factories

3、专业提供环保设备: VOC 废气、废水、粉尘处理和噪音治理系统工艺解决方案和工艺装备;

Professional provision of environmental protection equipment: VOC exhaust gas, wastewater, dust treatment and noise control system process solutions and equipment;

4、专业提供压力容器设计制造: 为食品乳品、生物制药、水处理、制冷、石油化工、船舶海工、电力能源、造纸纺织、有色金属等领域提供承压系统集成整体解决方案。

中领集团为您提供安全、舒适、节能的现代化实验室整体解决方案

LAB PRODUCT CATALOGUE.

专注于高端实验室定制化建设服务

中领集团简介

上海中领实验室装备集团有限公司成立于1993年，注册资金人民币叁仟万元。经过近20多年的发展创新，上海中领集团已成为一家集实验室整体规划设计、生产安装及售后服务为一体的现代化实验室装备的生产型企业。

Shanghai Zhongling Laboratory Equipment Group Co., was established in 1993 with RMB30 million of registered capital. After more than 20 years of development and innovation, the Shanghai Zhongling Group has become one of modern laboratory equipment, production-oriented enterprises involved with planning and design, production, installation and after-sales service as a whole.

作为国内最早进入现代实验室整体建设领域的企业之一“凭质量取胜、靠服务立足”已成为中领的立厂之本。公司先后通过了ISO9001质量管理体系认证、ISO14001环境管理体系的认证、OHSAS18000职业健康安全管理体系认证、HSE健康安全环境管理体系和机电安装工程三级资质、环保工程专业承包三级资质、建筑装饰装修工程三级资质等，同时上海中领也是中国石化物资装备市场和中国石化工程建设市场的入库成员。

"With quality win, based on service" has become the leader of the legislature of the plant. The company has passed the ISO9001 quality management system certification, ISO14001 environmental management system certification, OHSAS18000 occupational health and safety management system certification, HSE management system certification and three qualifications of electrical installation works, environmental engineering contractor, and building decoration engineering tertiary. While Zhongling is also a member of markets in materials and equipment and the engineering construction of China petroleum and chemical.

上海中领实验室装备集团有限公司主营：实验室整体建设，涵盖：实验室整体布局规划设计、实验室家具设备、实验室暖通系统、VAV通风风控制系统、特气集中供气系统、实验室洁净系统、实验室废气废液处理系统、实验室智能控制系统等。

Shanghai Zhongling Laboratory Equipment Group Co., Ltd. is mainly engaged in the overall construction of laboratories, covering: overall layout and design of laboratories, laboratory furniture equipment, laboratory heating and ventilation system, VAV ventilation and exhaust control system, centralized special gas supply system, laboratory cleaning system, laboratory waste gas and liquid treatment system, laboratory intelligent control system, etc.

中领集团总部位于上海市松江河泾工业区，拥有50亩占地的专业生产基地，5000平米的办公研发大楼，4万平米的加工生产车间，和3000平米的产品展示中心。公司在站稳华东市场的基础上，先后在国内诸多省市设立了19处直属办事机构，构造了覆盖全国的营销网络。

Zhongling Group headquarter is located in Songjiang Industrial Zone, Shanghai dongjing town, with 50 acres of professional production base and 5,000 square meters of official and researching building, 40,000 square meters of processing workshop, and 3000 square meters of product display center, Based in the East China market. the firm has established 19 offices in many domestic provinces and cities, and formed a nationwide marketing network.

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Intelligent control

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上海析星实验室设备有限公司

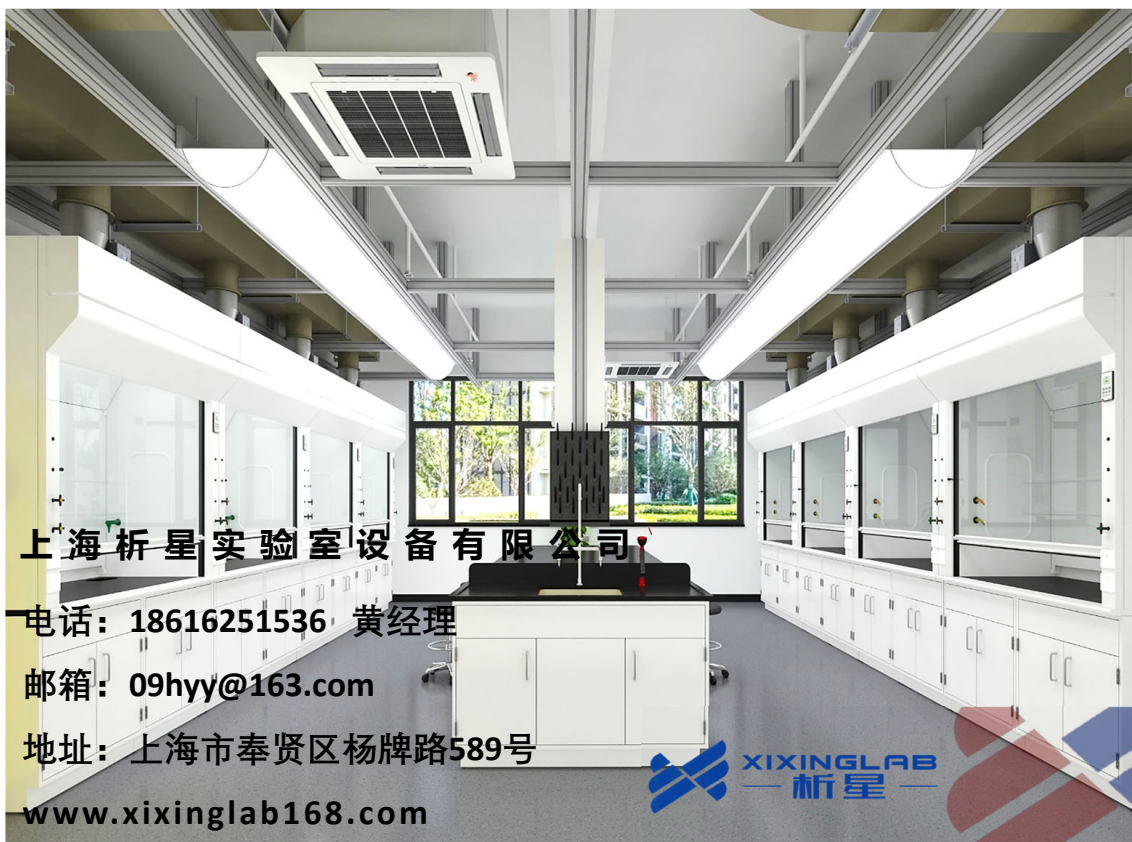
Shanghai Xixing Laboratory Equipment Co., Ltd.

上海析星实验室设备有限公司成立于 2010 年 2 月 2 日,是专门从事实验室整体系统工程、生产、安装、服务的专业公司。

上海析星一站式服务包括:实验室顾问咨询、实验室规划设计、实验室家具工程、实验室通风系统工程、实验室环保工程、实验室洁净系统、实验室供气系统、实验室纯水系统、实验室装饰系统、实验室安全存储系统、实验室仪器设备等。

Shanghai Xixing Laboratory Equipment Co., Ltd. was established on February 2, 2010. It is a professional company specializing in overall laboratory system engineering, production, installation and service.

Shanghai Xixing's one-stop services include: laboratory consulting, laboratory planning and design, laboratory furniture engineering, laboratory ventilation system engineering, laboratory environmental protection engineering, laboratory clean system, laboratory air supply system, laboratory pure water systems, laboratory decoration systems, laboratory safety storage systems, laboratory instruments and equipment, etc.



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www.xixinglab168.com



北京倍舒特妇幼用品有限公司

Beijing Beishute Maternity&Child Articles Co., Ltd.

Established in 1998, located in Miyun District of Beijing, Beijing Beishute Maternity&Child Articles Co.,Ltd is a professional manufacturer in producing disposable hygiene products in compliance with the International Standards. The garden like factory covers 47000sqm with 10000sqm clean workshops.

Beishute has more than 15 high speed modernized production lines with annual capacity about 2 billion pieces of all kinds of sanitary and medical products. The products include medical underpads, incontinence pads, sanitary napkins, panty liners, maternity pads and surgical kits. Beishute has got great reputation in healthcare and hygiene industry, which is Top 10 Enterprises in Incontinence Product Industry in China.

To meet international demands of disposable healthcare products, Beishute set up a professional global sales team in 2003 and explored into the competitive, quality driven international market. Beishute clients spread over United States, Europe, Australia, Japan and other countries. Beishute also established cooperation with several Fortune 500 companies over 15 years and has become the manufacture base for some of the world famous brands in the disposable hygiene field.

Beishute will continue to provide high-quality innovative products to meet consumers' demands, and improve the quality of life. Beishute, your long term partner!

Jefcare is an independent brand of Beishute, focusing on light incontinence care.

北京倍舒特妇幼用品有限公司成立于 1998 年,坐落于北京市密云区。是一家按照国际标准专业生产一次性卫生产品的企业。花园式工厂占地面积 47000 平方米并配有 10000 平方米洁净车间。

公司拥有 15 条高速生产线,年产能超过 2 亿片。产品主要包括护理垫、失禁垫、卫生巾、护垫、产妇产巾和手术套包,在健康卫生用品领域享有较高声誉,同时也是中国成人失禁用品前十强企业。

为满足国际客户一次性健康护理用品需求,倍舒特于 2003 年设立专业的销售团队并进入国际市场。公司客户遍及美国、欧洲、澳大利亚、日本等多个国家,同时与数家世界五百强企业合作超过十五年并成为他们的生产基地。

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江苏澳盛复合材料科技有限公司

Jiangsu AoSheng Hi Tech Co., Ltd.

江苏澳盛复合材料科技有限公司（以下简称澳盛科技）成立于2002年，坐落于苏州市吴江区平望镇中鲈科技园，现有员工600余人，是一家主营碳纤维复合材料的高新技术企业、国家“专精特新”小巨人企业。主营产品“风电用碳纤维拉挤板材”获评工信部“制造业单项冠军产品”称号。澳盛科技定位全球高端碳纤维复合材料方案提供商，具备完整的复合材料成型加工能力，重点布局风电、新能源汽车、消费电子、医疗器械等新兴产业，主要客户均为各细分领域龙头企业。澳盛科技连续多年碳纤维用量超万吨，是碳纤维行业十大知名企业，具有重要的行业地位。

Jiangsu Aosheng Composite Materials Technology Co., LTD. (hereinafter referred to as Aosheng Technology) was founded in 2002, located in Pingwang Town, Wujiang District, Suzhou City, the existing staff of more than 600 people, is a main carbon fiber composite materials of high-tech enterprises, national "special and special" small giant enterprise. The main product "carbon fiber pultruded sheet for wind power" was awarded the title of "Manufacturing Single champion product" by the Ministry of Industry and Information Technology. Aosheng Technology is positioned as a global high-end carbon fiber composite solution provider, with complete composite molding and processing capabilities, focusing on emerging industries such as wind power, new energy vehicles, consumer electronics, and medical devices, and its main customers are leading enterprises in various segments. Aosheng Technology has used more than 10,000 tons of carbon fiber for many years, and is one of the top ten well-known enterprises in the carbon fiber industry, with an important industry position

澳盛科技获得第二十二届中国专利优秀奖、上海市科技进步一等奖、江苏省科学技术三等奖、中国纺织工业联合会科技进步二等奖、中国纺织工业联合会专利金奖，中国商业联合会商业科技创新型企业、苏州市科技进步二等奖、苏州市优秀专利二等奖等荣誉。截止2022年底，澳盛科技拥有发明专利33项，实用新型44项，外观设计3项，参与制定国家标准1项，主持制定团体标准4项。澳盛科技通过了质量管理体系认证、环境管理体系认证、职业健康安全管理体系认证、知识产权管理体系认证、安全生产标准化二级企业等。澳盛科技是中国复合材料学会理事单位、江苏省复合材料学会副理事长单位。“澳盛科技”、“C1”两个品牌在行业内享有较高的知名度。

Aosheng Technology won the 22nd China Patent Excellence Award, Shanghai Science and Technology Progress First Prize, Jiangsu Province Science and Technology Third Prize, China Textile Industry Federation Science and Technology Progress Second Prize, China Textile Industry Federation Patent Gold Award, China Commercial Science and Technology Innovation Enterprise, Suzhou City Science and Technology Progress Second Prize, Suzhou City Excellent Patent second prize and other honors. By the end of 2022, Aosheng Technology has 33 invention patents, 44 utility models, 3 designs, participated in the formulation of 1 national standard, and presided over the formulation of 4 group standards. Aosheng Technology has passed the quality management system certification, environmental management system certification, occupational health and safety management system certification, intellectual property management system certification, safety production standardization second-level enterprise. Aosheng Technology is the director unit of China Composite Materials Society and the vice chairman unit of Jiangsu Composite Materials Society. "Aosheng Technology" and "C1" are two brands with high visibility in the industry.

澳盛科技注重高素质人才的培养和新项目的研发投入。公司现有研发人员114人，10余人次分别入选市、区级人才计划项目。设有江苏省博士后创新实践基地，与多家知名院校、科研院所长期开展产学研合作，借助高校科研资源，集聚青年科技人才，增强公司科研软实力。澳盛科技建有江苏省碳纤维复合材料批量制造及应用工程技术研究中心、江苏省企业技术中心、江苏省工业设计中心、江苏省高端树脂基碳纤维增强材料工程研究中心，苏州市碳纤维复合材料工程技术中心，苏州市工业设计中心，苏州市企业技术中心7个技术平台，公司依托现有技术平台优势，对碳纤维及其复合材料的轻量化关键技术、回收技术、快速成型技术、自动化技术和关键设备的集成应用进行研究。

Aosheng Technology pays attention to the cultivation of high-quality talents and the investment in research and development of new projects. The company has 114 R & D personnel, and more than 10 people have been selected into the city and district talent plan projects. Aosheng Technology has a Jiangsu Province postdoctoral innovation practice base, and has long-term industry-university-research cooperation with a number of well-known universities and research institutes. With the help of university scientific research resources, Aosheng Technology gathers young scientific and technological talents and enhances the company's scientific research soft power. Aosheng Technology has 7 technology platforms: Jiangsu Carbon Fiber Composite Mass Manufacturing and Application Engineering Technology Research Center, Jiangsu Enterprise Technology Center, Jiangsu Industrial Design Center, Jiangsu high-end resin-based carbon fiber Reinforced Materials Engineering Research Center, Suzhou Carbon Fiber Composite Materials Engineering Technology Center, Suzhou Industrial Design Center, Suzhou Enterprise Technology Center. Relying on the advantages of the existing technology platform, the company conducts research on the key lightweight technology, recycling technology, rapid prototyping technology, automation technology and the integrated application of key equipment of carbon fiber and its composite materials.



ICAFPM2023 Expo 展商名录

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