

第三届中国纺织前沿科学与技术大会 暨世界纺织大学联盟年会

*The 3rd International Conference on Advanced Textile Science and
Technology & World Textile University Alliance Annual Meeting*

2024
2024.7.5-8
July 5-8, 2024

会议手册 PROGRAM



2024年7月5-8日 中国·上海·东华大学
JULY 5-8, 2024 DONGHUA UNIVERSITY, SHANGHAI, CHINA

大会网址: [HTTPS://ICATST.DHU.EDU.CN](https://icatst.dhu.edu.cn)



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Health and Protective Smart Textiles and Wearable Application



WELCOME MESSAGE



Prof. Jianyong YU

俞建勇 教授

Chairman of 3rd ICATST
第三届国际纺织前沿科学与技术大会主席

Academician of Chinese Academy of Engineering
中国工程院院士

President of Donghua University
东华大学校长

由中国纺织工业联合会、中国纺织工程学会指导，东华大学主办的“第三届国际纺织前沿科学与技术大会暨世界纺织大学联盟年会”将于2024年7月5日-8日在东华大学(中国上海)举行。本次大会旨在打造纺织学术界一年一度交流、沟通、合作、创新的学术盛宴,成为纺织领域全球科研人员探讨新观点、新理论、新方法、新技术、新成果的重要平台,为深入推进纺织及其交叉学科的国际化交流合作提供新机遇。

本次大会以“纺织让世界更美好:碳中和与可持续发展”为主题,围绕纺织前沿方向、研究热点及最新进展,通过来自不同学科和领域的同行间的交流,激发创新思想,迸发思维火花,为促进纺织科学、技术和产业发展,把握新一轮科技和产业变革浪潮积蓄力量。

大会诚邀海内外相关领域的专家学者拨冗参会!

Guided by China National Textile and Apparel Council and China Textile Engineering Society and hosted by Donghua University, The 3rd International Conference on Advanced Textile Science and Technology (3rdICATST) is scheduled on July 5th to 8th, 2024 at Donghua University, Shanghai, China. It is an annual academic feast of exchange communication, cooperation and innovation in the textile community, and it will be an important platform for global researchers in the textile field to explore new ideas theories, methods and technologies pertaining to textiles.

The goal of the conference is to bring together a multidisciplinary group of talents from all over the world to present and exchange break-through ideas related to the theme, which is "Textile Weaves a Better World: Carbon Neutrality and Sustainable Development"

We sincerely invite the experts and scholars in related fields from all over the world to participate in this conference.

ORGANIZATION

指导单位：

中国纺织工业联合会 China National Textile and Apparel Council

中国纺织工程学会 China Textile Engineering Society

主办单位：

东华大学 Donghua University

承办单位：

东华大学纺织学院 College of Textiles, Donghua University

东华大学纺织科技创新中心 Innovation Center for Textile Science and Technology

东华大学服装与艺术设计学院 College of Fashion And Design, Donghua University

东华大学机械工程学院 College of Mechanical Engineering, Donghua University

东华大学信息科学与技术学院 College of Information Science and Technology, Donghua University

东华大学计算机科学与技术学院 School of Computer Science and Technology, Donghua University

东华大学化学与化工学院 College of Chemistry and Chemical Engineering, Donghua University

东华大学环境科学与工程学院 College of Environmental Science and Engineering, Donghua University

青岛大学纺织服装学院 College of Textiles & Clothing, Qingdao University

纤维基复合材料国家工程研究中心 National Engineering Research Centre for Fibre Matrix Composites

国家染整工程技术研究中心 National Engineering Research Center for Dyeing and Finishing of Textiles

省部共建生物多糖纤维成形与生态纺织国家重点实验室 SKL of Bio-Fibers and Eco-Textiles (Qingdao University)

纺织生物医用材料科学与技术引智基地 Intellectual Resources Base for Textile Biomedical Material Science and Technology

纺织面料技术教育部重点实验室 Key Laboratory of Textile Science & Technology, Ministry of Education

产业用纺织品教育部工程研究中心 Engineering Research Center of Technical Textile, Ministry of Education

纺织装备教育部工程研究中心 Engineering Research Center of Advanced Textile Machinery, Ministry of Education

现代服装设计与技术教育部重点实验室 Key Laboratory of Clothing Design And Technology, Ministry of Education

数字化纺织服装技术教育部工程研究中心 Engineering Research Center of Digitalized Textile & Fashion Technology

纺织工业人工智能技术教育部工程研究中心 Ministry of Education Engineering Research Centre for Artificial Intelligence Technology in Textile Industry

上海市现代纺织前沿科学研究中心 Shanghai Frontiers Science Center of Advanced Textiles

上海市纺织智能制造与工程“一带一路”国际联合实验室 Shanghai Textile Intelligent Manufacturing and Engineering 'Belt and Road' International Joint Laboratory

上海市海派时尚设计及价值创造协同创新中心 Shanghai Style Fashion Design & Value Creation Collaborative Innovation Center

协办单位：

世界纺织大学联盟 World Textile University Alliance

SAMPE中国大陆总会 SAMPE China Mainland Region

新加坡国立大学 National University of Singapore

天津工业大学 Tiangong University

浙江理工大学 Zhejiang Sci-Tech University

江南大学 Jiangnan University

苏州大学 Soochow University

武汉纺织大学 Wuhan Textile University

青岛大学 Qingdao University

南通大学 Nantong University

中原工学院 Zhongyuan University of Technology

上海工程技术大学 Shanghai University of Engineering Science

绍兴文理学院 Shaoxing University

山东理工大学 Shandong University of Technology

泉州师范学院 Quanzhou Normal University

支持单位：

浙江新澳纺织股份有限公司 Zhejiang Xinao Textiles Inc.

宁波大禾仪器有限公司 Ningbo Dahe Instrument Co., Ltd.

安徽泽牧科技有限公司 Anhui Zeyou Technology Co., Ltd.

苏州昇特智能科技有限公司 Suzhou Shengte Intelligent Technology Co., Ltd.

佛山轻子精密测控技术有限公司 Foshan Nanofiberlabs Co., Ltd.

上海束蕴仪器有限公司 Shuyun Instrument (Shanghai) Co., Ltd.

CONFERENCE ORGANIZATION

Honorary Chairman

Ruizhe Sun
孙瑞哲

Chairman

Jianyong Yu
俞建勇

Deputy Chairmen

Lingshen Li
李陵申

Guangwei Fu
伏广伟

Ge Chen
陈革

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Xiaohong Qin
覃小红

Mingwei Zhao
赵明炜

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Xiang Zhou
周翔

Jinliang Sun
孙晋良

Shicheng Jiang
蒋士成

Mu Yao
姚穆

Jianyong Yu
俞建勇

Yuzhong Wang
王玉忠

Meifang Zhu
朱美芳

Weilin Xu
徐卫林

Yize Sun
孙以泽

INTRODUCTION OF ORGANIZER

东华大学纺织学院

纺织学院始于1951年,是东华大学办学历史最久、学科实力最强的学院,获得首批学士、硕士和博士学位授予权。以纺织学院为主体的纺织科学与工程学科是国家“双一流”建设学科和A+学科,一直处于全国领先、名列前茅的位置。学院为新中国纺织工业培养了众多优秀人才和行业领袖,并取得一大批高水平成果,为我国纺织工业的现代化做出了重要贡献。

学院全面落实党的立德树人根本任务,坚持四个面向开展纺织科技创新,努力建设成为在创新型纺织工业中做出突出和重大贡献的创新型学院,引领世界纺织教育和纺织科技发展。把建设世界一流纺织学科的美丽画卷,绘制在新时代的祖国大地上。

College of Textiles (CoTs), Donghua University

The College of Textiles (CoTs) was founded in 1951 and has the longest history and the strongest power in Donghua University. The CoTs obtained the first qualification for conferring three-level academic degrees in China. The CoTs is main body of national key discipline of Textile Science and Engineering (TSE). Now the TSE ranks the top and A+ position in China. The alumni from the School, as many leaders and talented people in China textile industry, always make outstanding contributions to the innovation of textile science and technology, and the development of the society.

We fully implement the Party's education policy, foster virtue through education. We abide by the Four oriented Innovation policy to conduct original textile researches. Our missions are to establish an innovative college for China modern textile industry and to become leader of textile education and innovations in the world. All our efforts in developing world-class textile education and discipline are to contribute splendid drawings for our homeland in new era.

ORGANIZATION COMMITTEE

Chairman

Xiaohong Qin
覃小红

Secretary

Xianfeng Wang
王先锋

Deputy Chairmen

Jiayao Li
李佳耀

Zhijun Fang
方志军

Xianfeng Wang
王先锋

Deputy Secretaries

Chen Huang
黄晨

Nanliang Chen
陈南梁

Xinshan Song
宋新山

Fujun Wang
王富军

Qian Zhang
章倩

Bohong Gu
顾伯洪

Hongbo Shan
单鸿波

Fujun Xu
许福军

Yuan Zhao
赵元

Lu Wang
王璐

Xuanyong Liu
刘宣勇

Chenyan Shou
寿晨燕

Xinyuan Chen
陈欣园

Peiyi Wu
武培怡

Bo Shen
沈波

Jianhua Yan
闫建华

Jun Li
李俊

Changhai Xu
许长海

Parallel Session Chairs & Secretaries

Parallel Session A: Advanced Textile Processing Technology

Nanliang CHEN(陈南梁), Jun WANG(汪军), Jinhua JIANG(蒋金华), Guangwei SHAO(邵光伟)

Parallel Session B: Advanced Textile Composites

Yiping QIU(邱夷平), Bohong GU(顾伯洪), Fujun XU(许福军), Yuqiu YANG(阳玉球), Changjie CHEN(陈长洁), Meiqi HU(胡美琪)

Parallel Session C: Advanced Nonwoven and Technology

Rongwu WANG(王荣武), Chen HUANG(黄晨), Yi ZHAO(赵奕)

Parallel Session D: 2024 International Conference on Biomedical Textile Materials

Lu WANG(王璐), Martin KING, Malcolm XING, Xuanyong LIU(刘宣勇), Fujun WANG(王富军), Mingyan LIU(刘明岩), Jifu MAO(毛吉富)

Parallel Session E: Functional Textile Materials and Products

Xiaohong QIN(覃小红), Wei ZHANG(张伟), Guangming CAI(蔡光明), Xiaoying WANG(王小英), Xianfeng WANG(王先锋), Jianhua YAN(闫建华)

Parallel Session F: Smart Textile Materials and Products

Bin DING(丁彬), Zhaoling LI(李召岭)

Parallel Session G: The 3rd World Textile University Alliance Annual Meeting

Ge CHEN(陈革), Mingwei ZHAO(赵明炜), Lei ZHOU(周磊)

Parallel Session H: 2024 International Textile Science and Technology Doctoral Students Annual Meeting

Fujun XU(许福军), Chenyan SHOU(寿晨燕), Hongwei RAN(冉红卫), Qiuran JIANG(蒋秋冉), Zheng ZHANG(张政), Ming LI(李明)

Parallel Session I: Eco-friendly and Low Carbon Development of Textile Industry

Xinshan SONG(宋新山), Fang LI(李方), Faxue LI(李发学), Chenye XU(徐晨烨)

Parallel Session J: High-end Textile Equipment and Intelligent Manufacturing

Yize SUN(孙以泽), Shunqi MEI(梅顺齐), Xudong HU(胡旭东), Xia JI(季霞)

Parallel Session K: Green and Low-carbon Textile

Peiyi WU(武培怡), Zhiping MAO(毛志平), Xueling FENG(冯雪凌)

Parallel Session L: Digital Transformation of the Textile Industry

Zhijun FANG(方志军), Ming DU(杜明), Pengwei WANG(王鹏伟)

Parallel Session M: Dean Forum of Information Colleges in Textile Universities

Yuanqing XIA(夏元清), Bo SHEN(沈波), Song YANG(杨松)

Parallel Session N: Clothing Technology and Innovative Design

Jun LI(李俊), Xiaokun YU(于晓坤), Ping XIAO(肖平)

Parallel Session O: Health and Protective Smart Textiles and Wearable Application

Dongwei XIA(夏东伟), Changhai XU(许长海), Mingwei TIAN(田明伟)

PROGRAM OVERVIEW

July 5th, 2024	12:00 - 22:00	Registration (报到)											
	17:30 - 19:00	Dinner (晚餐)											
July 6th, 2024	08:00 - 09:30	Registration (报到)											
	09:30 - 10:00	Opening Ceremony & Group Photo (开幕式 & 合影)											
	10:00 - 12:00	Plenary Speech (大会报告)											
	12:00 - 13:30	Lunch (午餐) 1F, Xinxiangyuan Hall, Fuyue Hotel(富悦大酒店 一楼馨香园)											
	Venue	Fuyue Hotel							College of Textiles				2F Fuyue Hotel
	Afternoon	No.1 Conference Room 会议室1	No.2 Conference Room 会议室2	No.5 Conference Room 会议室5	No.8 Conference Room 会议室8	No.6 Conference Room 会议室6	No.1 Yuehua Hall 悦华厅1	No.10 Conference Room 会议室10	Songjiang Campus 松江校区	No.9 Conference Room 会议室9	No.7 Conference Room 会议室7	No.3 Conference Room 会议室3	No.3 Yuegui Hall 悦贵厅3
		A	B	C	D	E	F	G	H	I	J	K	L
No.1 Yuegui Hall 悦贵厅1		No.2 Yuehua Hall 悦华厅2											
	M	O											
17:30-19:00	Dinner (晚餐) 1F, Xinxiangyuan Hall, Fuyue Hotel(富悦大酒店 一楼馨香园)												
July 7th, 2024	Morning		No.2 Yuehua Hall 悦华厅2	No.5 Conference Room 会议室5	No.8 Conference Room 会议室8	No.6 Conference Room 会议室6	No.1 Yuehua Hall 悦华厅1		Songjiang Campus 松江校区				
			O	C	D	E	F		H				
	11:30-13:00	Lunch (午餐) 1F, Xinxiangyuan Hall, Fuyue Hotel(富悦大酒店 一楼馨香园)											
Afternoon	Yan'an Road Campus 延安路校区												
	N												

Parallel Sessions

A	现代纺织加工技术 Advanced Textile Processing Technology
B	先进纺织结构复合材料 Advanced Textile Composites
C	先进非织造制品与技术 Advanced Nonwoven and Technology
D	2024 国际纺织生物医用材料大会 2024 International Conference on Biomedical Textile Materials
E	功能纺织材料及制品 Functional Textile Materials and Products

F	智能纺织材料及制品 Smart Textile Materials and Products
G	第三届世界纺织大学联盟年会 The 3rd World Textile University Alliance Annual Meeting
H	2024国际纺织科学与工程一流学科博士生学术年会 2024 International Textile Science and Technology Doctoral Students Annual Meeting
I	纺织·生态·低碳 Eco-friendly and Low Carbon Development of Textile Industry
J	高端纺织装备与智能制造 High-end Textile Equipment and Intelligent Manufacturing

K	绿色染整与功能纺织品 Green and Low-carbon Textile
L	纺织行业数字化转型 Digital Transformation of The Textile Industry
M	纺织类高校信息学院院长论坛 Dean Forum of Information Colleges in Textile Universities
N	服装科技与创新设计 Clothing Technology and Innovative Design
O	健康防护用智能纺织品与可穿戴应用 Health and Protective Smart Textiles and Wearable Application

GUIDANCE

Conference Information

Time: July 5-8, 2024

Location: Ln 208, Rongyue Rd, Songjiang District, Shanghai

Conference Registration

12:00-22:00, July 5, 2024: 1F Entrance Hall of Shanghai Fuyue Hotel
(Ln 208, Rongyue Rd, Songjiang District, Shanghai)

08:00-09:30, July 6, 2024: 3F Entrance Hall of Shanghai Fuyue Hotel
(Ln 208, Rongyue Rd, Songjiang District, Shanghai)

Conference Contact

Responsibility	Contact	Cell
Conference Coordination (会议统筹)	Xianfeng WANG(王先锋)	15221189598
	Chen HUANG(黄晨)	13764348430
	Yuan ZHAO(赵元)	17317931483
Conference Registration (会议报到)	Yuqiong YANG(杨雨琼)	19946284862
	Jinfeng ZENG(曾金凤)	18262281083
Conference Accommodation (会议食宿)	Qian ZHANG(章倩)	15921540228
	Zheng ZHANG(张政)	17356468909
Conference Poster Presentation (会议展位)	Yuan ZHAO(赵元)	17317931483
	Zheng ZHANG(张政)	17356468909

Hotel Booking Information

Hotel 1: Shanghai Fuyue Hotel (上海富悦大酒店)

Address: Ln 208, Rongyue Rd, Songjiang District, Shanghai

地址: 上海市松江区茸悦路 208 弄

Price: King size 580 yuan/night, standard 650 yuan/night

Contact: Yaoli Lu (陆姚丽)

Cell: 13817717726

Reservation Time: 9:00 am-5:00 pm

Reservation Code: 2309010070

Hotel 2: Ramada Shanghai Sandi Hotel (上海三迪华美达酒店)

Address: No.7, Ln 600, Guangfulin Rd, Songjiang District, Shanghai

地址: 上海市松江区广富林路 600 弄 7 号

Price: Full size 580 yuan/night, standard 650 yuan/night

Contact: Yili Wang (王伊丽)

Cell: 13918280348

PLENARY LECTURE

第三届国际纺织前沿科学与技术大会暨世界纺织大学联盟年会
The 3rd International Conference on Advanced Textile Science and Technology &
World Textile University Alliance Annual Meeting

主会议程

Main Conference Agenda

时间Time: July 06, 2024 地点Venue: 富悦东方厅1 No.1 Dongfang Hall, Fuyue Hotel

开幕式

Opening Ceremony

时间Time

内容 Content

09:30-09:50

领导致辞
Remark by Leaders

09:50-10:00

合影
Group Photo

大会报告

Plenary Speeches

主持人: Seeram Ramakrishna 中国工程院外籍院士、新加坡国立大学教授
Moderator Prof. Seeram Ramakrishna, National University of Singapore

时间Time

报告题目 Title

报告人 Speaker

10:00-10:30

智能纤维材料与器件
Smart Fiber Materials and Devices

彭慧胜 中国科学院院士、复旦大学教授
Prof. Huisheng Peng, Fudan University
Academician of Chinese Academy of Sciences

10:30-11:00

高性能纤维的表界面修饰及其性能
Surface and Interface Modification of
High-performance Fibers and Their Properties

徐卫林 中国工程院院士、武汉纺织大学教授
Prof. Weilin Xu, Wuhan Textile University
Academician of Chinese Academy of Engineering

主持人: 李陵申 中国纺织工业联合会副会长

Moderator: Dr. Lingshen Li, Vice President of China National Textile and Apparel Council

11:00-11:30

纤维的未来发展方向
Future Directions of Fibers

Seeram Ramakrishna 中国工程院外籍院士、新加坡国立大学教授
Prof. Seeram Ramakrishna, National University of Singapore, Foreign Member of Chinese Academy of Engineering

11:30-12:00

新质生产力赋能纺织装备发展
New Quality Productive Forces Empower the
Development of Textile Equipment

孙以泽 中国工程院院士、东华大学教授
Prof. Yize Sun, Donghua University
Academician of Chinese Academy of Engineering

PARALLEL SESSION A

分论坛 A: 现代纺织加工技术

Session A: Advanced Textile Processing Technology

时间Time: July 06, 2024 地点Venue: 富悦会议室1 No.1 Conference Room, Fuyue Hotel

主持人(Moderator): 陈南梁 教授 Prof. Nanliang Chen

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:30-13:55	纳米纤维基功能纺织材料开发与应用 Development and Application of Nanofiber-Based Functional Textile Materials	辛斌杰 教授 Prof. Binjie Xin	上海工程技术大学 Shanghai University of Engineering Science
13:55-14:20	包芯纱技术与喷气涡流纺包芯纱产品开发 Core Spun Yarn Technology and Development of Jet Vortex Spun Core Spun Yarn Products	邹专勇 教授 Prof. Zhuanyong Zou	绍兴文理学院 Shaoxing University
14:20-14:45	科学理解颜色深度属性 多维评价颜色深度公式 Scientific Understanding of Color Depth Attributes and Multidimensional Evaluation of Color Depth Formulas	杨红英 教授 Prof. Hongying Yang	中原工学院 Zhongyuan University of Technology
14:45-15:10	生物可降解聚酯技术研发及产业化 Development and Industrialization of Biodegradable Polyester Technology	姜兆辉 教授 Prof. Zhaohui Jiang	山东理工大学 Shandong University of Technology
15:10-15:20	茶歇 Coffee Break		
主持人 (Moderator): 汪军 教授 Prof. Jun Wang 蒋金华 教授 Prof. Jinhua Jiang			
15:20-15:45	智能纺织品用纳米复合材料 Nanocomposites for Smart Textiles	王鑫 教授 Prof. Xin Wang	皇家墨尔本理工大学 RMIT University, Australia
15:45-16:10	高承载/宽吸波机织SiC/SiC复合材料超结构设计 与性能研究 Superstructure Design and Performance of High Load/Wide Absorbing Weaving SiC/SiC Composite Materials	张典堂 教授 Prof. Diantang Zhang	江南大学 Jiangnan University
16:10-16:35	纤维基柔性材料的构筑及应用研究 Construction and Application of Fiber Based Flexible Materials	叶美丹 教授 Prof. Meidan Ye	厦门大学 Xiamen University
16:35-16:55	纺织纤维及其制品表界面结构设计 与医疗应用 Design and Medical Application of Interface Structures for Textile Fibers and Their Products	付少举 副教授 Assoc. Prof. Shaoju Fu	东华大学 Donghua University
16:55-17:15	基于纺织结构的柔性超级电容器研究 Research on Flexible Supercapacitors Based on Textile Structure	邵光伟 博士 Dr. Guangwei Shao	东华大学 Donghua University

PARALLEL SESSION B

分论坛B:先进纺织结构复合材料
 Session B: Advanced Textile Composites
 时间Time: July 06, 2024 地点Venue: 富悦会议室2 No.2 Conference Room, Fuyue Hotel

主持人(Moderator): 许福军 教授 Prof. Fujun Xu、阳玉球 教授 Prof. Yuqiu Yang

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:00-13:20	国际先进材料与制造工程学会中国大陆总会介绍 Introduction to the Mainland China Chapter of the International Advanced Materials and Manufacturing Engineering Society	邱夷平 教授 Prof. Yiping Qiu	东华大学 Donghua University
13:20-13:40	复合材料和增材制造的再思考 Rethinking composites & additive Manufacturing	付堃 助理教授 Assistant Prof. Kelvin Fu	特拉华大学 University of Delaware
13:40-14:00	经编间隔织物增强复合材料设计制备与工程应用 Design, Preparation, and Engineering Application of Warp-knit Spacer Fabric Reinforced Composite Materials	马丕波 教授 Prof. Pibo Ma	江南大学 Jiangnan University
14:00-14:20	复合材料层间结构与性能调控的研究进展 Research Progress in The Modulation of Interlayer Structure and Properties of Composite Materials	张辉 研究员 Assoc. Hui Zhang	东华大学 Donghua University
14:20-14:40	纤维增强复合材料力学试验和仿真模拟 Mechanical Testing and Simulation of Fiber-reinforced Composite Materials	杜砚文 总经理 General Manager Yanwen Du	关点质量 Guandian Quality
14:40-15:00	三维织物复合材料力学性能研究 Research on the Mechanical Properties of 3D Fabric Composite Materials	黄灿艺 教授 Prof. Canyi Huang	泉州师范学院 Quanzhou Normal University
15:00-15:20	新型柔性电磁功能材料的研究进展 Research Progress on New Flexible Electromagnetic Functional Materials	关福旺 副教授 Assoc. Prof. Fuwang Guan	泉州师范学院 Quanzhou Normal University
15:20-15:40	茶歇 Coffee Break		
主持人(Moderator): 邱夷平 教授 Prof. Yiping Qiu			
15:40-16:00	可回收型环氧树脂及其在碳纤维复合材料中的应用 Recyclable Epoxy Resin and Its Application in Carbon Fiber Composites	刘万双 副教授 Assoc. Prof. Wanshuang Liu	东华大学 Donghua University
16:00-16:20	基于碳纤维电极的结构-储能复合材料 Structure-Energy Storage Composites Based on Carbon Fiber Electrodes	孙洁 副教授 Assoc. Prof. Jie Sun	江南大学 Jiangnan University
16:20-16:40	长三角碳纤维及复合材料技术创新中心介绍 Introduction to the Yangtze River Delta Carbon Fiber and Composite Materials Technology Innovation Center	赵文明 副主任 Deputy Director Wenming Zhao	长三角碳纤维及复合材料技术创新中心 Yangtze River Delta Carbon Fiber and Composite Materials Technology Innovation Center
16:40-17:00	碳纳米管材料的高性能化与应用 Carbon Nanotube Materials for High-performance and Their Applications	张丽雯 博士 Dr. Liwen Zhang	中国科学院苏州纳米技术与纳米仿生研究所 Chinese Academy of Sciences Suzhou Institute of Nano-Tech and Nano-Bionics
17:00-17:20	民机复合材料的制备技术及发展 The Fabrication Technology and Development of Composite Materials for Civil Aircraft	李旺 总经理 General Manager Wang Li	苏州埃森姆复合材料有限公司 Suzhou Aisenmu Composite Materials Co., Ltd
17:20-17:40	FCNTs改性PPO电纺纤维网纱层间增韧复合材料及机理探究 Functionalized Carbon Nanotubes (FCNTs) Modified PPO Electrospun Fiber Mesh for Interlaminar Toughening of Composite Materials and Mechanism Exploration	黄媛 博士 Dr. Yuan Huang	泉州师范学院 Quanzhou Normal University

PARALLEL SESSION C

分论坛C:先进非织造材料与技术

Session C: Advanced Nonwovens and Technology

时间Time: July 06, 2024 / July 07, 2024 地点Venue: 富悦会议室5 No.5 Conference Room, Fuyue Hotel

时间Time: July 6th PM 主持人(Moderator): 王荣武 教授 Prof. Rongwu Wang

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:30-14:00	生物可降解非织造材料及其应用研究 Research on Biodegradable Nonwovens and Applications	程博闻 教授 Prof. Bowen Cheng	天津科技大学 Tianjin University of Science and Technology
14:00-14:30	“芳香-健康”双导向功能非织造材料的研究与应用 Aroma-health Dual Orientation Nonwovens and Applications	柯勤飞 教授 Prof. Qinfei Ke	上海应用技术大学 Shanghai Institute of Technology
14:30-15:00	热塑加工PVA多微孔膜及性能研究 Thermoplastic Processing of PVA Multiporous Membrane and Performance Textile Structure	郭玉海 教授 Prof. YuhaiGuo	浙江理工大学 Zhejiang Sci-tech University
15:00-15:20	茶歇 Coffee Break		
15:20-15:50	用于热能管理和收集的光学微纳功能纤维及其规模化制造 Large-scale Manufacturing Optical Micro/Nano Functional Fibers for Thermal Energy Management and Collection	张克勤 教授 Prof. Keqin Zhang	苏州大学 Soochow University
15:50-16:20	细菌纤维素非织造材料 Functional Nonwoven Materials Based on Bacterial Cellulose	魏取福 教授 Prof. Qufu Wei	江南大学 Jiangnan University
16:20-16:50	熔融双组份超细纤维成纤技术及应用研究进展 Research Progress on The Technology and Application of Melt Bicomponent Ultrafine Fiber Formation	钱晓明 教授 Prof. Xiaoming Qian	天津工业大学 Tiangong University
时间Time: July 7th AM 主持人(Moderator): 黄晨 教授 Prof. Chen Huang			
09:00-09:30	核防护用可溶性PVA水刺非织造材料制备与降解研究 Preparation and Degradation of Soluble PVA Spunlace Nonwovens for Nuclear Protection	于斌 教授 Prof. Bin Yu	浙江理工大学 Zhejiang Sci-tech University
09:30-10:00	多尺度微纳非织造材料制备与过滤应用 Preparation and Filtration Applications of Multi-scale Micro- and Nano-nonwoven Materials	何建新 教授 Prof. Jianxin He	中原工学院 Zhongyuan University of Technology
10:00-10:30	细菌纤维素气凝胶的制备及其分离吸附应用 Preparation of BC Based Aerogels and Their Applications in Separation and Adsorption	刘延波 教授 Prof. Yanbo Liu	武汉纺织大学 Wuhan Textile University
10:30-10:50	茶歇 Coffee Break		
10:50-11:10	纤维表面改性制备功能性非织造材料 Surface Modification of Fibers for Functional Nonwoven Materials	邓超 博士后 Dr. Chao Deng	拜罗伊特大学 Universität Bayreuth
11:10-11:30	非织造滤材长效粉尘过滤行为的颗粒动力学机制 Particle Dynamics of Dust Loading Behavior of Nonwoven Filter Media	宋宇 讲师 Lec. Yu Song	东华大学 Donghua University

PARALLEL SESSION D

分论坛D:2024国际纺织生物材料大会

Session D: 2024 International Conference on Biomedical Textile Materials

时间Time: July 06, 2024 地点Venue: 富悦会议室8 No.8 Conference Room, Fuyue Hotel

13:30-13:40	开幕式 (OPENING CEREMONY) 主持人(Moderator): 王富军 教授 Prof. Fujun Wang		
主持人(Moderator): 王璐 教授 Prof. Lu Wang			
时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:40-14:05	将粘附与止血相结合, 促进组织修复 Integrating Adhesion and Hemostasis for Tissue Repair	邢孟秋 教授 Prof. Malcolm Xing	曼尼托巴大学 University of Manitoba
14:05-14:15	合影 Group Photo		
主持人(Moderator): 刘明岩 教授 Prof. Mingyan Liu 王富军 教授 Prof. Fujun Wang			
14:20-14:45	人工半月板的研究进展 Advancement in Artificial Meniscus	陈疾忤 主任医师 Chief Physician Jiwu Chen	上海市第一人民医院 Shanghai General Hospital
14:45-15:10	陈旧性距骨软骨损伤的治疗 Treatment of Chronic Osteochondral Lesion of Talus	郭常军 副主任医师 Associate Chief Physician Changjun Guo	上海交通大学医学院附属瑞金医院 Ruijin Hospital, Shanghai Jiao Tong University School of Medicine
15:10-15:15	茶歇 Coffee Break		
15:15-15:40	生物医用纺织品: 从实验室研究到临床应用的挑战 Biomedical Textiles: Challenges from Laboratory Research to Clinical Application	王璐 教授 Prof. Lu Wang	东华大学 Donghua University
15:40-16:05	纤维基柔性骨修复材料设计及应用 Design and Application of Fiber-based Flexible Bone Repair Materials	王富军 教授 Prof. Fujun Wang	东华大学 Donghua University
16:05-16:30	骨科产品的创新研发 Innovative R&D of Orthopedic products	马宇立 研发总监 R&d Director Yuli Ma	上海三友医疗器械股份有限公司 Shanghai Sanyou Medical Co., Ltd.
16:30-17:00	圆桌会议 (ROUND TABLE) 主持人(Moderator): 郑晓裔 (Xiaoyi Zheng)、林婧 (Jing Lin)		

PARALLEL SESSION D

分论坛D:2024国际纺织生物材料大会

Session D: 2024 International Conference on Biomedical Textile Materials

时间Time: July 07, 2024 地点Venue: 富悦会议室8 No.8 Conference Room, Fuyue Hotel

主持人(Moderator): 王璐 教授 Prof. Lu Wang 金·马汀 教授 Prof. Martin W. King

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
08:30-08:55	生物医用纺织品的设计、制备及评价 The Design, Fabrication and Evaluation of Biomedical Textiles	金·马汀 教授 Prof. Martin W. King	北卡罗来纳州立大学 North Carolina State University
08:55-09:20	组织再生电纺丝生物活性复合材料 Electrospun Bioactive Composite Materials for Tissue Regeneration	常江 研究员 Assoc. Jiang Chang	中国科学院上海硅酸盐研究所 Shanghai Institute of Ceramics, Chinese Academy of Sciences
09:20-09:45	高性能快速止血材料研究进展 Research Progress on High-performance Rapid Hemostasis Materials	蓝广芊 教授 Prof. Guangqian Lan	西南大学 Southwest University
主持人(Moderator): 王富军 教授 Prof. Fujun Wang, 李刚 教授 Prof. Gang Li, 毛吉富 研究员 Assoc. Jifu Mao			
09:45-10:00	纤维复合材料的构建及止血创面修复应用 Nanofiber-based Materials for Hemostasis and Wound Healing	李晓然 研究员 Assoc. Xiaoran Li	东华大学 Donghua University
10:00-10:15	天然中空纤维及其生物医用材料的研发 Natural Hollow Fiber and the R&D of Biomedical Textiles	李刚 教授 Prof. Gang Li	苏州大学 Soochow University
10:15-10:30	聚吡咯基导电纤维的构建及其生物医用 Polypyrrole-based Conductive Fibers for Biomedical Applications	毛吉富 研究员 Assoc. Jifu Mao	东华大学 Donghua University
10:30-10:45	纤维基生物医用材料在伤口护理及健康监测领域的应用 Applications of Fibrous Biomedical Materials in Wound Care and Health Monitoring	李大伟 教授 Prof. Dawei Li	南通大学 Nantong University
10:45-10:55	茶歇 Coffee Break		
10:55-11:10	基于应力调控的纤维材料在疝修复方向的应用 Fiber-based Materials for Stress Regulation and Its Application on Hernia Repair	李超婧 副教授 Assoc. Prof. Chaojing Li	东华大学 Donghua University
11:10-11:25	水凝胶-电子器件的构建及在伤口生物膜感染治疗的评价 Development of a Hydrogel Ionic Circuit Device and Its Application in Biofilm Treatment of Chronic Wound	赵帆 特聘研究员 Assoc. Fan Zhao	东华大学 Donghua University
主持人(Moderator): 李晓然 研究员 Assoc. Xiaoran Li, 高晶 教授 Prof. Jing Gao, 关国平 教授 Prof. Guoping Guan			
11:25-11:35	双网络神经粘合剂用于神经损伤修复 A Dual-network Nerve Adhesive with Enhanced Adhesion Strength Promotes Transected Peripheral Nerve Repair	薛雯 副教授 Assoc. Prof. Wen Xue	东华大学 Donghua University
11:35-11:45	类三明治结构载药纤维基敷料的制备与性能研究 Study on Preparation and Properties of Drug-loaded Fiber-based Dressings with Sandwich-like Structure	毛迎 博士 Dr. Ying Mao	浙江理工大学 Zhejiang Sci-Tech University
11:45-11:55	基于磁电纳米纤维的磁-力-电级联刺激促进伤口愈合 Magneto-mechano-electric Cascade Stimulation Accelerates Wound Healing Constructed by Magnetoelectric Nanofibers	张倩 博士 Dr. Qian Zhang	东华大学 Donghua University
11:55-12:05	用于口腔颌面部外伤护理的纤维/水凝胶智能敷料 Fiber/Hydrogel Smart Dressing for Oral-maxillofacial Trauma Care	高立恒 博士 Dr. Liheng Gao	上海交通大学 Shanghai Jiao Tong University
12:05-12:10	闭幕 Closing Ceremony		

PARALLEL SESSION E

分论坛E: 功能纺织材料及制品

Session E: Functional Textile Materials and Products

时间Time: July 06, 2024 / July 07, 2024 地点Venue: 富悦会议室6 No.6 Conference Room, Fuyue Hotel

时间Time: July 6th PM 主持人(Moderator): 覃小红 教授 Prof. Xiaohong Qin, 蔡光明 教授 Prof. Guangming Cai

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:30-13:55	MXene增强的纳米纤维素基高阻隔抗菌复合膜 MXene Enhanced Nanocellulose Based High Barrier Antibacterial Composite Membrane	王小英 教授 Prof. Xiaoying Wang	华南理工大学 South China University of Technology
13:55-14:20	仿北极熊毛保暖纤维 Imitation Arctic Bear Hair Thermal Fiber	柏浩 教授 Prof. Hao Bai	浙江大学 Zhejiang University
14:20-14:40	纤维基多级结构蒸发器的构建及人工蒸腾机制研究 The Construction and Artificial Transpiration Mechanism of the Fiber Quiaud Multi-Stage Structure Evaporator	张伟 教授 Prof. Wei Zhang	南通大学 Nantong University
14:40-15:00	高性能医卫防护纺织材料关键制备技术与产业化应用 Key Preparation Technology and Industrial Application of High Performance Medical Protective Textile Materials	康卫民 教授 Prof. Weimin Kang	天津工业大学 Tiangong University
15:00-15:20	表面图案化技术助力功能微反应器件的开发与应用 Development and Application of Surface Patterning Technology to Facilitate Functional Microreaction Devices	冯文霁 教授 Prof. Wenqian Feng	四川大学 Sichuan University
15:20-15:35	茶歇 Coffee Break		
15:35-15:55	超轻超弹纳米纤维气凝胶的三维构建和应用研究 Ultralight Nanofiber-assembled 3D-cellular Aerogels with Superelasticity and Multifunctionality	斯阳 教授 Prof. Yang Si	东华大学 Donghua University
15:55-16:15	摩擦电自供能纤维传感器的性能优化与集成应用 Performance Optimization and Integrated Application of Triboelectric Self-powered Fiber Sensor	董凯 教授 Prof. Kai Dong	中国科学院北京纳米能源与系统研究所 Beijing Institute of Nanoenergy and Systems
16:15-16:35	柔性传感器制备与应用研究 Research on Preparation and Application of Flexible Sensor	张洪艳 教授 Prof. Hongyan Zhang	北京服装学院 Beijing Institute of Fashion Technology
16:35-16:55	基于服装人体工效学的安全用防护纺织品 Safety Protective Textiles Based on Clothing Ergonomics	樊威 教授 Prof. Wei Fan	西安工程大学 Xi'an Polytechnic University
16:55-17:15	柔性陶瓷纳米纤维 Flexible Ceramic Nanofibers	闫建华 教授 Prof. Jianhua Yan	东华大学 Donghua University
时间Time: July 7th AM 主持人(Moderator): 张伟 教授 Prof. Wei Zhang, 王先锋 教授 Prof. Xianfeng Wang			
08:30-08:55	面向个性化热湿管理的仿生智能纺织材料研究 Nature-inspired Intelligent Textiles for Personalized Thermal and Moisture Management	寿大华 教授 Prof. Dahua Shou	香港理工大学 The Hong Kong Polytechnic University
08:55-09:15	木质纤维材料及其能源化应用探索 Exploration of Wood Fiber Materials and Their Application in Energy Conversion	彭新文 教授 Prof. Xinwen Peng	华南理工大学 South China University of Technology
09:15-09:35	多功能集成复合纱的制备及应用 Preparation and Application of Multifunctional Integrated Composite Yarn	蔡光明 教授 Prof. Guangming Cai	武汉纺织大学 Wuhan Textile University
09:35-09:55	PPDO纤维的全产业链技术及新型功能开发 PPDO Fiber Whole Industry Chain Technology and New Function Development	郭敏杰 教授 Prof. Minjie Guo	天津科技大学 Tianjin University of Science and Technology
09:55-10:15	纺织纤维材料的功能化与智能化研究 Research on Functionalization and Intellectualization of Textile Fiber Materials	吕鹏飞 教授 Prof. Pengfei Lv	江南大学 Jiangnan University
10:15-10:25	茶歇 Coffee Break		
10:25-10:45	基于电致变色纺织品的仿生自适应智能显示系统 Biomimicking Self-adaptive Intelligent Display Systems Based on Electrochromic Textiles	马莹 教授 Prof. Ying Ma	东华大学 Donghua University
10:45-11:05	损伤“自知自愈”仿生热电纤维及温度传感应用 Damage Sensing and Self-healing Biomimetic Thermoelectric Fibers and Temperature Sensing Application	于志财 教授 Prof. Zhicai Yu	武汉纺织大学 Wuhan Textile University
11:05-11:25	生物质基环境响应型多功能荧光织物 Biomass-based Environmental Responsive Multi-functional Fluorescent Fabric	姚一军 副教授 Assoc. Prof. Yijun Yao	西安工程大学 Xi'an Polytechnic University
11:25-11:45	高效无针式静电纺丝喷头的研制及其纺制纤维的应用研究 Development of Efficient Needleless Electrospinning Spinneret and Its Application in Spinning Fibers	魏亮 博士 Dr. Liang Wei	西安工程大学 Xi'an Polytechnic University

PARALLEL SESSION F

分论坛F: 智能纺织材料及制品

Session F: Smart Textile Materials and Products

时间Time: July 06, 2024 / July 07, 2024 地点Venue: 富悦悦华厅1 No.1 Yuehua Hall, Fuyue Hotel

时间Time: July 6th PM 主持人(Moderator): 丁彬 教授 Prof. Bin Ding

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:30-14:00	面向先进制程的全二维范德瓦耳斯电子器件 All 2D Van der waals Electronics for the Future Chips	张铮 教授 Prof. Zheng Zhang	北京科技大学 University of Science and Technology Beijing
14:00-14:25	编织复合材料功能/力学设计与制造 Functional/Mechanical Design and Manufacturing of Braided Composites	李典森 教授 Prof. Dianseng Li	北京航空航天大学 Beihang University
14:25-14:50	功能化静电纺纤维促进肌腱再生 Functional Electrospun Fiber for Tendon Regeneration	崔文国 研究员 Assoc. Wenguo Cui	上海交通大学 Shanghai Jiao Tong University
14:50-15:20	茶歇 Coffee Break		
主持人(Moderator): 张铮 教授 Prof. Zheng Zhang			
15:20-15:45	面向运动检测的柔性可穿戴纤维基传感器 Flexible and Wearable Fibrous-based Sensor toward Motion Detections	鲍艳 教授 Prof. Yan Bao	陕西科技大学 Shaanxi University of Science and Technology
15:45-16:10	基于纳米纤维的多模态集成探测传感平台 A Multimodal Integrated Detection and Sensing Platform Based on Nanofibers	徐琳 教授 Prof. Lin Xu	吉林大学 Jilin University
16:10-16:35	仿生智能舒适穿戴高分子传感材料与器件 Biomimetic Intelligent Wearable Polymer Sensing Materials and Devices	万鹏博 教授 Prof. Pengbo Wan	北京化工大学 Beijing University of Chemical Technology
16:35-17:00	基于纤维结构的智能感知器件与系统 Intelligent Sensing Device and System based on Fibers Structure	李阳 教授 Prof. Yang Li	山东大学 Shandong University
时间Time: July 7th AM 主持人(Moderator): 鲍艳 教授 Prof. Yan Bao			
09:00-09:25	等离子体半导体纳米纤维耦合热点限域光催化性能增强机制研究 Study on the Enhanced Mechanism of "Hot Spot"-confined Photocatalytic Performance in Plasmonic Semiconductor Nanofibers	张振翼 教授 Prof. Zhenyi Zhang	大连民族大学 Dalian Minzu University
09:25-09:50	高相变焓智能调温纤维的结构设计与性能调控 Smart Thermoregulatory Fibers with High Phase Change Enthalpy	赵燕 教授 Prof. Yan Zhao	苏州大学 Soochow University
09:50-10:15	生物质纳米流体系统构建及应用 Construction and Application of Biomass Nanofluid Systems	叶冬冬 教授 Prof. Dongdong Ye	安徽农业大学 Anhui Agricultural University
10:15-10:35	茶歇 Coffee Break		
主持人(Moderator): 李召岭 教授 Prof. Zhaoling Li			
10:35-11:00	高分子导电复合纤维膜及其应变传感功能 The Strain Sensing Performances of Conductive Polymer Fibrous Mat	代坤 教授 Prof. Kun Dai	郑州大学 Zhengzhou University
11:00-11:25	低维纳米材料宏观组装构筑柔性传感器 Assembly of Low Dimensional Nanomaterials to Construct Flexible Sensors	李晓锋 教授 Prof. Xiaofeng Li	北京化工大学 Beijing University of Chemical Technology
11:25-11:50	润湿功能与智能织物 Smart and Functional Wetting Textiles	王元丰 副研究员 Assoc. Yuanfeng Wang	深圳大学 Shenzhen University

PARALLEL SESSION G

分论坛G:2024世界纺织大学联盟指导委员会会议

Session G: 2024 World Textile Universities Alliance Steering Board Meeting

时间Time: July 06, 2024 地点Venue: 富悦会议室10 No.10 Conference Room, Fuyue Hotel

时间Time	内容 Content
	开幕致辞 Opening Remarks
15:30-15:50	校领导致辞 陈革 东华大学副校长 Welcome Remarks by Prof. Ge Chen, Vice President, Donghua University 特邀嘉宾致辞 Remarks 邱夷平 SAMPE全球总会理事长 Prof. Yiping Qiu, President of the Global Board of the Society for the Advancement of Material and Process Engineering (SAMPE) 严金江 联合国工业发展组织 工业发展官 Dr. Jinjiang Yan, Industrial Development Officer, United Nations Industrial Development Organization 任文伟 WWF上海办公室主任 Prof. Wenwei Ren, Director, WWF Shanghai Office 伏广伟 中国纺织工程学会 理事长 Dr. Guangwei Fu, President of China Textile Engineering Society
15:50-16:00	合影留念 Group Photo
16:00-16:20	联盟发展报告Annual Report 报告人: 赵明炜博士 东华大学国际合作处 处长 Presenter: Dr. Mingwei Zhao, Director, International Cooperation Office, Donghua University 主题: 联盟过去一年的成就、挑战及未来规划 Theme: Achievements and Challenges 2023-24 and Draft Future Plans for 2024-25
16:20-17:20	圆桌会议Roundtable Discussion 主题: 各校对联盟发展的建议 Theme: Suggestions for Development of WTUA
17:20-17:30	其他事项Any Other Business
17:30-17:40	闭幕致辞与感谢Closing Remarks and Thanks

PARALLEL SESSION H

分论坛H:2024 国际纺织科学与工程一流学科博士生学术年会

Session H: 2024 International Textile Science and Technology Doctoral Students Annual Meeting

时间Time: July 07, 2024

地点Venue: 东华大学, 纺织学院, 3004会议室, Conference Room 3004, College of Textiles, Donghua University

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
09:00-09:10	开幕式 Opening Ceremony		
09:10-09:28	基于超疏水纳米乳液的涤纶织物自清洁整理 Superhydrophobic Nanoemulsion Enables Self-cleaning PET Fabrics	蔡君怡 Junyi Cai	东华大学 Donghua University
09:28-09:46	互穿1D/2D网络异构Bi ₂ WO ₆ 薄膜的可控制备及其在高效稳定地光催化降解VOCs中的应用 Synthesis of Heteromorphic Bi ₂ WO ₆ Films with an Interpenetrate 1D/2D Network Structure for Efficient and Stable Photocatalytic Degradation of VOCs	陈跃慧 Yuehui Chen	东华大学 Donghua University
09:46-10:04	面向跨工况场景中聚酯纤维酯化过程的质量变量预测方法研究 Feature Structured Domain Adaptation for Quality Prediction of Cross Working Conditions in Industrial Processes	丁贺 He Ding	东华大学 Donghua University
10:04-10:22	Fiber Blends and Silica-gel Coating of Needle-punched Nonwoven for PM _{2.5} Filtration	胡辰煊 Hanur Meku	东华大学 Donghua University
10:22-10:40	非织造材料的三维重建及应用 Three-dimensional Reconstruction and Application of Nonwoven Microstructures	李成族 Chengzu Li	东华大学 Donghua University
10:40-10:58	三维机织电磁超材料的结构构筑与电磁特性研究 Construction And Electromagnetic Characteristics Of Three-dimensional Woven Electromagnetic Metamaterials	李武洲 Wuzhou Li	东华大学 Donghua University
10:58-11:16	分层梯度多孔结构超材料在日间被动辐射制冷中的应用研究 Hierarchical Gradient Structural Porous Metamaterial for Daytime Passive Radiative Cooling	刘金如 Jinru Liu	江南大学 Jiangnan University
11:16-11:34	基于微观力学模型估算聚酰亚胺纤维的横向弹性能 Estimation of Transverse Thermoelastic Properties of Polyimide Fibers Based on Micromechanical Models	陆诚 Cheng Lu	东华大学 Donghua University
11:34-13:00	午餐 Lunch		
13:00-13:18	基于树状结构的传感器的制备及手势监测 Construction of Pressure Sensor with a Multilayer Dendritic Structure for Gesture Monitoring	谭永松 Yongsong Tan	江南大学 Jiangnan University
13:18-13:36	多功能医用缝合线的构建及其伤口促愈性能研究 Construction of Multifunctional Medical Sutures and the Properties of Wound Healing	唐丽琴 Liqin Tang	东华大学 Donghua University
13:36-13:54	面向自动驾驶视觉感知系统的物理对抗攻击研究 Research of Physical Adversarial Attacks on Vision-based Autonomous Drving Systems	文辉祥 Huixiang Wen	东华大学 Donghua University
13:54-14:12	纺织基触觉传感器构筑及人机交互研究 Construction of Textile-based Tactile Sensor and Human-machine Interaction	徐瑞东 Ruidong Xu	青岛大学 Qingdao University
14:12-14:30	编织锭子上多因素耦合影响下碳纤维纱线磨损研究 Study on The Wear Characteristics of Carbon Fiber Yarns Under the Influence of Multifactor Coupling on Braiding Carriers	叶音平 Yinping Ye	东华大学 Donghua University
14:30-14:48	热致变色微胶囊及纤维制备 Fabrication of the Mochromic Microcapsules and Fibers	于伟东 Weidong Yu	江南大学 Jiangnan University
14:48-15:06	含表面缺陷的氧化物纳米纤维在固态电解质中的应用研究 The Roles of Oxide Nanofibers Possessing Reactive Surface Defects in Solid Electrolytes	于雯 Wen Yu	天津工业大学 Tiangong University
15:06-15:24	中国纺织行业减污降碳协同清单的构建及环境效率评估 Construction of Synergy Inventory for Pollution Control and Carbon Reduction and Assessment of Environmental Efficiency in China's Textile Industry	张思远 Siyuan Zhang	东华大学 Donghua University
15:24-15:42	纳米纤维包芯纱热湿传递机理及其应用研究 Study on Thermal-Moisture Transfer Mechanism and Application of Nanofiber Core-spun Yarn	何满堂 Mantang He	东华大学 Donghua University
15:42-16:00	颁奖 Awards		

PARALLEL SESSION I

分论坛I:纺织-生态-低碳

Session I: Eco-friendly and Low Carbon Development of Textile Industry

时间Time: July 06, 2024 地点Venue: 富悦会议室9 No.9 Conference Room, Fuyue Hotel

主持人(Moderator): 刘和 教授 Prof. He Liu

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:30-13:50	生物炭强化有机固废厌氧发酵产沼气:构建资源循环新模式 Biochar Enhanced Anaerobic Fermentation of Organic Solid Waste to Produce Biogas: Building a New Resource Cycle Model	刘和 教授 Prof. He Liu	江南大学 Jiangnan University
13:50-14:10	纺织行业水系统集成优化方法与标准 Methods and Standards for Integrated Optimization of Water Systems in Textile Industry	张忠国 所长 Prof. Zhongguo Zhang	北京市科学技术研究院 Beijing Research Institute of Science and Technology
14:10-14:30	光酶耦合催化降解染料研究 Study on Photoenzyme Coupling Catalytic Degradation of Dyes	武占省 教授 Prof. Zhansheng Wu	西安工程大学 Xi'an Polytechnic University
主持人(Moderator): 刘和 教授 Prof. He Liu			
14:30-15:50	基于国产无纺布的高性能反渗透膜的研究 Research on High Performance Reverse Osmosis Membrane Based on Domestic Non-woven Fabric	王海涛 教授 Prof. Haitao Wang	天津工业大学 Tiangong University
14:50-15:10	茶歇 Coffee Break		
15:10-15:30	铁电微纳米材料压催化与热释催化降解纺织印染废水 Degradation of Textile Printing and Dyeing Wastewater By Ferroelectric Micro-nanomaterials By Pressure Catalysis and Thermal Release Catalysis	武峥 教授 Prof. Zheng Wu	西安工程大学 Xi'an Polytechnic University
15:30-15:50	印染废水的高效厌氧生物处理与强化 Efficient Anaerobic Biological Treatment and Strengthening of Printing and Dyeing Wastewater	杨波 教授 Prof. Bo Yang	东华大学 Donghua University
15:50-16:10	关于玻纤布收卷抽芯问题的理论探讨及解决措施 Optimization and Application for Convolution Equipment of Low Weft Density Glass Fiber Cloth	龚小舟 副教授 Assoc. Prof. Xiaozhou Gong	武汉纺织大学 Wuhan Textile University
16:10-16:30	纺织品消费使用阶段的温室气体排放评估与影响因素研究 Study on Greenhouse Gas Emission Assessment and Influencing Factors in Textile Consumption and Use Stage	梁帅童 副教授 Assoc. Prof. Shuaitong Liang	上海工程技术大学 Shanghai University of Engineering Science
16:30-17:00	自由讨论 Free Discussion		

PARALLEL SESSION J

分论坛J: 高端纺织装备与智能制造

Session J: High-end Textile Equipment and Intelligent Manufacturing

时间Time: July 06, 2024 地点Venue: 富悦会议室7 No.7 Conference Room, Fuyue Hotel

主持人(Moderator): 梅顺齐 院士 教授 Prof. Shunqi Mei

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
14:00-14:20	复合材料结构增强体三维立体成型技术发展 Developments on 3D Preforming Technology of Structural Reinforcements for Composites	陈利 教授 Prof. Li Chen	天津工业大学 Tiangong University
14:20-14:40	纺织智能制造及其实践 Intelligent Manufacturing of Textile and Its Practice	胡旭东 教授 Prof. Xudong Hu	浙江理工大学 Zhejiang Sci-tech University
14:40-15:10	纺织AI技术的前沿探索与应用实践 Frontier Exploration and Application Practice of Textile AI Technology	蒋高明 教授 Prof. Gaoming Jiang	江南大学 Jiangnan University
15:10-15:30	高端纺织装备振动噪声控制策略研究 Research on Vibration and Noise Control Strategy of High-end Textile Equipment	徐洋 教授 Prof. Yang Xu	东华大学 Donghua University
15:30-15:45	茶歇 Coffee Break		
主持人(Moderator): 胡旭东 教授 Prof. Xudong Hu			
15:45-16:05	陆海生物基纤维的功能性研究与应用 Functional Research and Applications of Terrestrial and Marine Bio-based Fibers	夏延致 教授 Prof. Yanzhi Xia	青岛大学 Qingdao University
16:05-16:25	五功位针织技术及设备研发 Development of The Five Function Position Knitting Technology and Equipment Brief Introduction	孟家光 教授 Prof. Jiaguang Meng	西安工程大学 Xi'an Polytechnic University
16:25-16:45	三维机织复合材料的尺度力学行为与冲击仿真分析方法 Multi-scale Mechanics and Impact Simulation Method of 3D Woven Composites	张超 教授 Prof. Chao Zhang	西北工业大学 Northwestern Polytechnical University
16:45-17:00	总结 Summary 孙以泽院士 Prof. Yize Sun		

PARALLEL SESSION K

分论坛K:绿色染整与功能纺织品

Session K: Green and Low-carbon Textiles

时间Time: July 06, 2024 地点Venue: 富悦会议室3 No.3 Conference Room, Fuyue Hotel

主持人(Moderator): 付少海 Shaohai Fu

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:30-13:55	用于二维软体机器人功能的交互式液晶聚合物 Interactive Liquid Crystal Polymers for 2D Soft Robotic Functions	刘丹青 副教授 Assoc. Prof. Danqing Liu	荷兰埃因霍温理工大学 Eindhoven University of Technology
13:55-14:20	基于光响应性材料的智能纺织品 Smart Textiles Based on Photo-responsive Materials	王潮霞 教授 Prof. Chaoxia Wang	江南大学 Jiangnan University
14:20-14:45	可拉伸智能凝胶纤维 Stretchable Gel Fibers for Adaptive Applications	孙胜童 教授 Prof. Shengtong Sun	东华大学 Donghua University
14:45-15:10	纺织纤维材料的颜色构建 Color Construction of Textile Fiber Materials	夏良君 教授 Prof. Liangjun Xia	武汉纺织大学 Wuhan Textile University
15:10-15:30	茶歇 Coffee Break		
主持人(Moderator): 徐红 Hong Xu			
15:30-15:55	基于微纳气泡臭氧技术的废水中难降解有机物去除工艺研究 Study on Removal Process of Refractory Organic Matter in Wastewater Based on Micro-nano Bubble Ozonation Technology	周庆 教授 Prof. Qing Zhou	南京大学 Nanjing University
15:55-16:20	光催化中载流子的精准调控与高效利用 Precise Regulation and Efficient Utilization of Charge Carriers in Photocatalysis	王一鸥 教授 Prof. Yiu Wang	北京理工大学 Beijing Institute of Technology
16:20-16:45	织物涂层加工技术进展 Development of Coating Techniques on Fabrics	戚栋明 教授 Prof. Dongming Qi	浙江理工大学 Zhejiang Sci-Tech University
16:45-17:10	基于阳离子改性的棉织物无盐染色及改性浴回用研究 Cleaner Cationization of Cotton Fabrics by Reusing Modification Bath for Salt-free Reactive Dyeing	董霞 副教授 Assoc. Prof. Xia Dong	东华大学 Donghua University

PARALLEL SESSION L

分论坛L : 纺织行业数字化转型

Session L: Digital Transformation of the Textile Industry

时间Time: July 06, 2024 地点Venue: 富悦悦贵厅3 No.3 Yuegui Hall, Fuyue Hotel

主持人(Moderator): 王鹏伟 副教授 Prof. Pengwei Wang

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
14:00-14:30	纺织服装行业数字化关键技术与展望 Key technologies and prospects for digitalization in the textile and garment industry	和杉杉 首席专家 Shanshan He	中国联通服装制造军团 China Unicom Textile Digitalization Legion
14:30-15:00	“人工智能+X”产教融合与教育教学实践探索 "AI+X" exploration of the integration of education and industry and education practice	方志军 院长 Zhijun Fang	东华大学 Donghua University
15:00-15:20	茶歇 Coffee Break		
<p>纺织服装特色院校计算机类学院联盟成立仪式 主持人: 石秀金</p> <p>Establishment Ceremony of the Computer Science College Alliance of Textile and Clothing Specialized Universities</p>			
15:20-15:25	校领导致辞 Leader Speech	陈革 副校长 Ge Chen	东华大学 Donghua University
15:25-15:30	嘉宾致辞 Guest Speech	倪阳生 会长 Yangsheng Ni	中国纺织服装教育学会 China Textile and Apparel Education Society
15:30-15:40	联盟启动及授牌仪式 Sign Ceremony		首批成员单位 First members of the alliance
15:40-16:10	产教融合背景下计算机类专业创新人才培养 Training of innovative talents for computer-related majors under the background of integration of industry and education	宋威 副院长 Wei Song	江南大学 Jiangnan University
16:10-16:40	面料花型素材计算机生成、展示与应用 Computer-generated fabric pattern elements: creation, display, and applications	金耀 教授 Yao Jin	浙江理工大学 Zhejiang University of Science and Technology
16:40-17:10	联盟闭门会议 Closed door meeting of the alliance		

PARALLEL SESSION M

分论坛M: 纺织类高校信息学院院长论坛
 Session M: Dean Forum of Information Colleges in Textile Universities
 时间Time: July 06, 2024 地点Venue: 富悦悦贵厅1 No.1 Yuegui Hall, Fuyue Hotel

纺织类高校信息学院联盟揭牌仪式
 主持人(Moderator) : 沈波 教授 Prof. Bo Shen

13:30-13:35	东华大学 陈革副校长致辞		
13:35-13:40	中原工学院 夏元清校长致辞		
13:40-14:00	首批成员单位 揭牌签约仪式		
分会报告(KEYNOTE TALK) 主持人(Moderator) : 沈波 教授 Prof. Bo Shen、刘华山 教授 Prof. HuaShan Liu			
时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
14:00-14:25	机器人前沿技术与创新生态建设 Frontier Robotics Technology and Innovative Ecological Construction	孙立宁 教授 Prof.LiNing Sun	苏州大学 Soochow University
14:25-14:50	可穿戴设备的开发及应用 Development and Application of Wearable Devices	夏元清 教授 Prof.YuanQing Xia	中原工学院 Zhongyuan University of Technology
14:50-15:15	交流传动系统智能控制及纺织生产智能制造应用构想 Intelligent Control of AC Transmission System and Application Concept of Intelligent Manufacturing in Textile Production	于金鹏 教授 Prof.JinPeng Yu	青岛大学 Qingdao University
15:15-15:30	茶歇 Coffee Break		
15:30-15:55	基于深度学习的侧信道分析 Side Channel Analysis Based on Deep Learning	沈剑 教授 Prof.Jian Shen	浙江理工大学 Zhejiang Sci-Tech University
15:55-16:20	数据+AI赋能纺织行业卓越运营 Empowering Excellent Operations in the Textile Industry with Data+AI	栾小丽 教授 Prof.XiaoLi Luan	江南大学 Jiangnan University
16:20-16:45	视觉引导机器人及纺织智能制造 Visual Guided Robots and Intelligent Textile Manufacturing	宋丽梅 教授 Prof.LiMei Song	天津工业大学 Tiangong University
16:45-17:10	数据与模型耦合驱动的织造车间物流系统研究 Research on the Logistics System of Weaving Workshop Driven by Data and Model Coupling	余联庆 教授 Prof.LianQing Yu	武汉纺织大学 Wuhan Textile University

PARALLEL SESSION N

分论坛N:服装科技与创新设计

Session N: Apparel Technology and Innovative Design

时间Time: July 07, 2024 地点 Venue: 东华大学延安路校区逸夫楼二楼演讲厅

Lecture Hall, 2nd Floor, Yi fu Building, Yan' an Campus

主持人(Moderator): 于晓坤 副教授 Assoc. Prof. Xiaokun Yu

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
13:00-13:30	AIGID:大模型驱动的智能设计 AIGID: LLM-driven Intelligent Design	罗仕鉴 教授 Prof. Shijian Luo	浙江大学 Zhejiang University
13:30-14:00	多维仿生结构在个体防爆中的应用 Application of Multidimensional Biomimetic Structures in Personal Explosion Protection	袁梦琦 教授 Prof. Mengqi Yuan	北京理工大学 Beijing Institute of Technology
14:00-14:30	E服装产品生命周期碳足迹、水足迹量化与评价 Quantification and Assessment of Life Cycle Carbon Footprint and Water Footprint of Clothing	王来力 教授 Prof. Laili Wang	东华大学 Donghua University
14:30-14:45	茶歇 Coffee Break		
14:45-15:15	ESG与时尚供应链管理 ESG in Fashion Supply Chain Management	沈滨 教授 Prof. Bin Shen	浙江理工大学 Zhejiang Sci-Tech University
15:15-15:45	脑机接口技术及其在未来服装设计中的潜在应用 Brain-Computer Interface Technology and Its Potential Applications in Future Fashion Design	李洁 副教授 Assoc. Prof. Jie Li	同济大学 Tongji University
15:45-16:15	人体热防护机理及安全预测 Human Thermal Protection and Safety Prediction	苏云 副教授 Assoc. Prof. Yun Su	东华大学 Donghua University

PARALLEL SESSION 0

分论坛O: 健康防护用智能纺织品与可穿戴应用

Session O: Health and Protective Smart Textiles and Wearable Application

时间Time: July 06, 2024 / July 07, 2024 地点Venue: 富悦悦华厅2 No.2 Yuehua Hall, Fuyue Hotel

时间Time: July 6th PM 主持人(Moderator): 夏东伟 教授 Prof. Dongwei Xia

时间 Time	题目 Title	报告人 Speaker	单位 Affiliation
14:00-14:25	A纺织结构的智能防护应用 Intelligent Protection Application of Textile Structures	方剑 教授 Prof. Jian Fang	苏州大学 Soochow University
14:25-14:50	高性能柔性传感器设计及应用研究 Design and Application Research of High-performance Flexible Sensor	李铁 研究员 Assoc. Tie Li	中科院苏州纳米所 Suzhou Institute of Nano-Tech and Nano-Bionics, CAS
14:50-15:15	高耐久生物基柔性导电材料的仿生构筑 Bionic Construction of Flexible Conductive Materials with High Durability	王宗乾 教授 Prof. Zongqian Wang	安徽工程大学 Anhui Polytechnic University
15:15-15:45	茶歇 Coffee Break		
主持人(Moderator): 许长海 教授 Prof. Changhai Xu			
15:45-16:10	热电织物的设计、织造与应用 Design and Manufacture of Thermoelectric Textiles	张坤 教授 Prof. Kun Zhang	东华大学 Donghua University
16:10-16:30	多功能柔性汗液传感器 Multi-functional Flexible Sweat Sensor	刘皓 教授 Prof. Hao Liu	天津工业大学 Tiangong University
16:30-16:50	高强碳纳米管纤维制备技术 Preparation Technology of High-strength Carbon Nanotube Fiber	蹇木强 副研究员 Assoc. Muqiang Jian	北京石墨烯研究院 Beijing Graphene Institute
时间Time: July 7th AM 主持人(Moderator): 田明伟 教授 Prof. Mingwei Tian			
09:00-09:25	聚合物电磁功能复合材料 Polymer Electromagnetic Composite	张好斌 教授 Prof. Haobin Zhang	北京化工大学 Beijing University of Chemical Technology
09:25-09:50	柔性可穿戴敏感材料、应力/应变传感器与应用 Flexible Wearable Sensitive Materials, Stress/Strain Sensors and Its Applications	刘宜伟 研究员 Assoc. Yiwei Liu	中科院宁波材料所 Ningbo Institute of Materials Technology & Engineering, CAS
09:50-10:15	丝离子纤维器件 Filament Ion Fiber Device	凌盛杰 研究员 Assoc. Shengjie Ling	上海科技大学 ShanghaiTech University
10:15-10:45	茶歇 Coffee Break		
主持人(Moderator): 刘宜伟 教授 Prof. Yiwei Liu			
10:45-11:10	机电转化纤维及自供能可穿戴传感应用 Electromechanical Conversion Fiber and Self-powered Wearable Sensing Applications	董凯 研究员 Assoc. Kai Dong	中科院北京纳米所 Beijing Institute of Nanoenergy and Nanosystems, CAS
11:10-11:30	健康与防护用智能电子纺织品构筑及可穿戴应用 Construction and Wearable Applications of Smart Electronic Textile for Health and Protection	田明伟 教授 Prof. Mingwei Tian	青岛大学 Qingdao University

