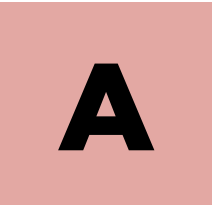


【Forum A】 ICAFPM 2025 High Performance Fibers and Products
A. 高性能纤维及制品



Topic: High Performance Fibers and Products
Chairman:
1. Prof. Guohua Hu, University of Lorraine, France;
2. Prof. Lianghua Xu, Beijing University of Chemical Technology;
3. Prof. Qinghua Zhang, Prof. Anqi Ju, Donghua University

Session 1 Nov. 01, 2025 Afternoon (下午) Venue: Room No. 1 号厅

Session 1 Moderator: Anqi Ju 巨安奇

Time	Type	Speaker	Title	Affiliation
13:30-13:50	Keynote	Chao Gao 高超	Multifunctional graphene fibers 多功能石墨烯纤维	Zhejiang University 浙江大学
13:50-14:10	Keynote	Guohua Hu 胡国华	Reactive Extrusion & Flow-Driven Chemistry: Converging Toward a New Paradigm for Polymer Production 反应挤出和流动驱动化学：聚合物生产的新范式	University of Lorraine, France 法国洛林大学
14:10-14:30	Invited	Kunyan Sui 隋坤艳	Hierarchical Structure Design, Functionalization, and Application of High-Performance Aramid Nanofibers 高性能芳纶纳米纤维的多级结构设计、功能化及其 应用研究	Qingdao University 青岛大学
14:30-14:50	Invited	Jin Zhu 朱锦	Research Progress in Furan-based Polyesters 呋喃聚酯研究进展	Ningbo Institute of Materials Technology and Engineering, CAS 中科院宁波材料所
14:50-15:10	Invited	Pengcheng Ma 马鹏程	An Innovative Exploration Journey of Basalt Fibers 玄武岩纤维创新探索之旅	Xinjiang Technical Institute of Physics & Chemistry, CAS 中国科学院新疆理化技术研究所
15:10-15:30	Invited	Lili Zhang 张丽丽	Research on the microstructure of carbon fiber based on nanoindentation 基于纳米压痕的碳纤维微观结构研究	Shanxi Institute of Coal Chemistry, Chinese Academy of Sciences 中国科学院山西煤炭化学研究所

15:30-15:40 Coffee Break

Session 1 Moderator: Caizhen Zhu 朱才镇

15:40-16:00	Invited	Hongjie Wang 王红洁	Preparation and Properties of Silicon Nitride Nanowire Aerogel Fibers 氮化硅纳米线气凝胶纤维的制备及性能	Xi'an Jiaotong University 西安交通大学
16:00-16:20	Invited	Zhongyu Fu 付中禹	Two-Step Preparation Technology for the Precursor of Carbon Fibers 两步法碳纤维原丝制备技术	Changchun University of Technology 长春工业大学
16:20-16:40	Invited	Xiang Zhou 周湘	High strength and toughness artificial spider silk based on protein like microstructure and its biomedical applications 基于类蛋白结构高强度人造蛛丝及其生物医用	China Pharmaceutical University 中国药科大学
16:40-17:00	Invited	Caizhen Zhu 朱才镇	Microvoid Engineering in Ultra-high- performance Carbon Fibers: From Characterization and control to Performance Enhancement 超高性能碳纤维中的微孔工程：从表征与控制到性 能提升	Shenzhen University 深圳大学
17:00-17:20	Invited	hangping Yin 尹昌平	Design of Pseudo-Ductile Hybrid Fiber Composites Based on Dispersed Ply Stacking 基于分散铺层的伪延展混杂纤维复合材料设计	National University of Defense Technology 国防科技大学
17:20-17:40	Invited	Fengxiang Chen 陈凤翔	High-performance colored carbon fibers and their composites for automotive 用于汽车的高性能彩色碳纤维及其复合材料	Wuhan Textile University 武汉纺织大学

Session 1 Nov. 01, 2025 Afternoon (下午) Venue: Room No. 1 号厅

17:40-18:00	Invited	Peng Li 李鹏	Controlled Ordered Assembly of Graphene Fibers 石墨烯纤维的有序控制组装	Zhejiang University 浙江大学
18:00-18:15	Invited	Yanzi Gou 苟燕子	Preparation and Properties of Highly Crystalline SiC Fibers 高结晶 SiC 纤维制备及性能研究	National University of Defense Technology 国防科技大学
18:15-18:30	Poster Presentation (墙报展讲)			
18:30-20:30	Banquet (晚宴)			

Session 2 Nov. 02, 2025 Morning (上午) Venue: Room No. 1 号厅

Session 2 Moderator: Yanzi Gou 苟燕子

Time	Type	Speaker	Title	Affiliation
8:30-8:50	Keynote	Bernard Lotz	High temperature molecular processes taking place in crystalline materials: Brill transition and Nucleation by the Fold Surface (NFS) 晶体材料中的高温分子过程: Brill 转变和折叠面成 核 (NFS)	Institut Charles Sadron, CNRS, France 法国中央研究院查尔斯研究所
8.50-9:10	Invited	Xiaoxiao Huang 黄小萧	Structural Design and Application of Carbon- Based Wave-Absorbing Materials 碳基吸波材料的结构设计及应用研究	Harbin Institute of Technology 哈尔滨工业大学
9:10-9:30	Invited	Junrong Yu 于俊荣	Improving the Mechanical Properties of Gel- Spun UHMWPE Fibers by Regulating the Dissolution System 调控溶解体系提高冻胶纺丝 UHMWPE 纤维的力学 性能研究	Donghua University 东华大学
9:30-9:50	Invited	Longbo Luo 罗龙波	Study on Solution Rheology and Fiber Preparation of High-Performance Heterocyclic Aromatic Polymers 高性能芳杂环聚合物溶液流变及纤维制备研究	Sichuan University 四川大学
9:50-10:10	Invited	Xiaomin Ma 马小民	Research on Key Technologies and Advanced Applications of High-Performance Continuous Alumina Fibers 高性能氧化铝连续纤维关键技术研究及先端应用	Guozhuang New Material Technology (Jiangsu) Co., Ltd. 国装新材料技术 (江苏) 有限公司

10:10-10:20 Coffee Break

Session 2 Moderator: Junrong Yu 于俊荣

10:20-10:35	Oral	Huan Xu 徐欢	Intrinsically Electroactive Polylactic Acid Nanofiber Functional Membranes 内禀电活性聚乳酸纳纤功能膜	China University of Mining and Technology 中国矿业大学
10:35-10:50	Oral	Jie Sheng 盛捷	Research Progress on Carbon Fibers and Composites Based on Saccharide-Derived Carbon Conversion 基于糖碳转化的碳纤维及复合材料研究进展	Harbin Institute of Technology 哈尔滨工业大学
10:50-11:05	Oral	Xingzhong Gao 高兴忠	Development and Preparation of Lightweight Thermal Insulation and Cut-Resistant Fabrics 轻薄型保温防割面料研发与制备	Xi'an Poltechnic University 西安工程大学
11:05-11:20	Oral	Xuelian Li 李雪莲	Synthesis and Characterization of Novel Organosoluble Fluorinated Polyimides and the Morphology of Their Electrospun Nanofiber Membranes 新型有机可溶性含氟聚酰亚胺的合成与表征及其电 纺纳米纤维膜形貌的研究	Anshun University 安顺学院

Session 2 Nov. 02, 2025 Morning (上午) Venue: Room No. 1 号厅

11:20-11:35	Oral	Peijian Du 杜培健	Study on Anisotropic Heat Transfer Behavior in Needled Quartz Fiber Felt/ Fabric Composite Preforms at Quasi-Fiber Scale 准纤维尺度的针刺石英纤维毡_织物复合材料预成型体各向异性传热行为研究	Inner Mongolia University of Technology 内蒙古工业大学
11:35-11:50	Oral	Jiaqi Zhou 周嘉琪	Structural-Functional Integration of Composites Achieved by Polyaniline-Functionalized MoS2 Nanosheet/Carbon Fiber Networks 聚苯胺功能化 MoS2 纳米片 / 碳纤维网络实现复合材料结构 - 功能一体化	Shandong University 山东大学
11:50-12:05	Oral	Zihao GUO	单根亚麻纤维湿 - 力耦合行为建模 Modeling of the Hygro-Mechanical Behavior of Elementary Flax Fibe	Université de Reims Champagne-Ardenne