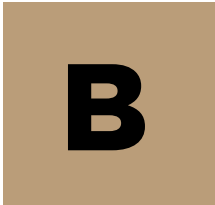


【Forum B】 ICAFPM 2025 High-performance Composite Materials
B. 高性能复合材料

Chairman:

- 1. Prof. Zhanjun Wu(武湛君), Jiangnan University;
- 2. Prof. Muhuo Yu (余木火), Donghua University;
- 3. Prof. Hui Zhang (张辉), Donghua University.



Nov. 1, 2025 Afternoon (下午) Venue: Room No. 2

Session A Moderator: Prof. Zhanjun Wu, Prof. Wei Yan, Prof. Hui Zhang

Time	Type	Speaker	Title	Affiliation	Session Chair
13:30-13:55	Plenary	Prof. Young Moo Lee 李永茂	Anion exchange membranes for energy devices (Online Presentation) 储能器件用阴离子交换膜 (线上报告)	Hanyang University 汉阳大学	Prof. Wei Yan 严威 教授
13:55-14:15	Keynote	Prof. Zhanjun Wu 武湛君 教授	Resin Matrix Composites Resistant to Extreme Low-Temperature Environments 耐极端低温环境树脂基复合材料	Jiangnan University 江南大学	
14:15-14:35	Keynote	Prof. Xiaoqing Liu 刘小青 教授	Carbon-Based Functional Composites Based on Organic Liquid Precursors 基于有机液态前驱体的碳基功能复合材料	Ningbo Institute of Materials Technology and Engineering 中国科学院宁波材料技术与工程研究所	
14:35-14:50	Invited	Prof. Xiaojun wang 王孝军 教授	Research Progress on Specialty Polymers and Thermoplastic Composites 特种高分子及热塑性复合材料研发进展	Sichuan University 四川大学	Prof. Hui Zhang 张辉 教授
14:50-15:05	Invited	Prof. Xianze Yin 殷先泽 教授	Study on High-Temperature Sizing Agent for PAEK in Thermoplastic Composites and Interface Strengthening Research 热塑性复材用聚芳醚酮高温上浆剂开发及界面强化研究	Wuhan Textile University 武汉纺织大学	

15:05-15:30 Coffee Break

Session B Moderator: Prof. Zhanjun Wu, Prof. Xiaoqing Liu

15:30-15:50	Keynote	Prof. Xiaolong Jia 贾晓龙 教授	Research on Dry Winding Complete Technology and Application of Carbon Fiber Composites 碳纤维复合材料干法缠绕成套技术及应用研究	Beijing University of Chemical Technology 北京化工大学	Prof. Zhanjun Wu 武湛君 教授
15:50-16:05	Invited	Prof. Kunkun Fu 付昆昆 教授	Research on Direct Lightning Effect of Advanced Composite Structures 先进复合材料结构雷电直接效应研究	Tongji University 同济大学	
16:05-16:20	Invited	Prof. Jin Zhou 周晋 教授	Variable Stiffness Composite Fiber Placement Technology and Impact Resistance Performance 变刚度复合材料纤维铺放技术及抗冲击性能	Xi' an Jiaotong University 西安交通大学	
16:20-16:35	Invited	Prof. Lulu Liu 刘璐璐 教授	Microscopic Damage Mechanisms and Analysis Methods of CFRP under Humid Heat-Impact Coupling 湿热 - 冲击耦合的 CFRP 微观损伤机理与分析方法	Nanjing University of Aeronautics and Astronautics 南京航空航天大学	

Nov. 1, 2025 Afternoon (下午) Venue: Room No. 2

16:35-16:50	Invited	Prof. Diantang Zhang 张典堂 教授	Structural Design and Aerospace-Marine Applications of Advanced Woven Composites 先进编织复合材料结构设计与空天海应用	Jiangnan University 江南大学	Prof. Zhanjun Wu 武湛君 教授
16:50-17:05	Invited	Prof. Peng Ding 丁鹏 教授	Intelligent Structural Design of High-Performance Fiber-Reinforced Materials for Integrated Circuit Substrates 高性能纤维增强基板材料智能结构设计与应用	Shanghai University 上海大学	
17:05-17:20	Invited	Assoc. Prof. Yizhuo Gu 顾轶卓 副教授	Research on Design, Preparation Technology and Shielding Performance of Composites for Radiation Protection 防电离辐射复合材料设计制备技术与屏蔽性能研究	Beihang University 北京航空航天大学	Prof. Xiaoqing Liu 刘小青 教授
17:20-17:35	Invited	Dr. Han Zhang 张悍 准教授	Energy-efficient composite manufacturing 高性能复合材料绿色节能制造	University of Warwick 英国华威大学	
17:35-17:50	Invited	Prof. Cao Wu 吴操 教授	Assembly of Ultrafine Inorganic Fibers and Their Multifunctional Applications 超细无机纤维组装与多功能应用	Anhui University of Technology 安徽工业大学	
17:50-18:05	Invited	Dr. Jinbo Wang 王金波 博士	The latest applications of multi-scale 3D XRM in fiber and polymer materials 多尺度三维 X 射线显微成像系统在纤维与聚合物材料中的最新应用	Bruker (Beijing) Scientific Technology Co. Ltd. 布鲁克 (北京) 科技有限公司	
18:05-18:17	Invited	PhD Candidate, Zhanyi Wang 王占一 博士生	High-strength and High-shear Carbonene Aramid Fiber Preparation and Shell Application Exploration 高强高剪切碳芳纶纤维的控制制备及壳体应用探索	Peking University 北京大学	

Nov.2, 2025 Morning (上午) Venue: Room No. 2

Session A Moderator: Prof. Xiaolong Jia

Time	Type	Speaker	Title	Affiliation	Session Chair
8:30-8:50	Keynote	Prof. XingYi Huang 黄兴溢 教授	On-Demand Preparation of Boron Nitride Nanosheets and Their Applications in Composites 氮化硼纳米片的按需制备及其在复合材料中的应用	Shanghai Jiao Tong University 上海交通大学	Prof. Xiaolong Jia 贾晓龙 教授
8:50-9:10	Keynote	Prof. zhengming Huang 黄争鸣 教授	Why Do We Need Five Mechanical Theories for Composites? 为啥需要 5 种复合材料的力学理论 ?	Tongji University 同济大学	
9:10-9:25	Invited	Prof. Hua Yuan 袁华 教授	Biomass Carbonization Fibers and Their Applications 生物质碳纤维及其应用	Qingdao University 青岛大学	
9:25-9:40	Invited	Prof.Qingbao Guan 管清宝 教授	High Performance Liquid Crystalline Polyarylate and Their Composites 液晶聚芳酯及其复合材料研究	Donghua University 东华大学	
9:40-9:55	Invited	Prof. Xudan Yao 姚旭丹 教授	Electrothermal Anti-/De-icing and Green Manufacturing of Composite Aerospace Structures 复合材料航空结构电热防 / 除冰及绿色制造	Northwestern Polytechnical University 西北工业大学	

9:55-10:08	Invited	Dr. Yinping Tao 陶银萍 讲师	Preparation of Self-reinforced Poly(lactic Acid) Composites with Improved Toughness and The Transcrystalline Microstructure-property Relationship 高韧度自增强聚乳酸复合材料的可控制备及组织结构与性能影响机制	Shanghai University 上海大学
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10:08-10:20	Invited	Dr. Yemao He 何业茂 博士后	Ballistic Response Mechanism and Resistance-driven Evaluation Method of UHMWPE Composite UHMWPE 复合材料弹道响应机理及阻力驱动评估方法	Beijing Institute of Technology 北京理工大学
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10:20-10:30 Coffee Break

Session B Moderator: Prof. Xiaoqing Liu, Prof. zhengming Huang

10:30-10:45	Invited	Prof. Jianfeng Shen 沈剑锋 教授	Preparation of High-Performance Interface Materials and Their Application in Composite Materials 高性能界面材料的制备及其在复合材料中的应用研究	Fudan University 复旦大学
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10:45-11:00	Invited	Prof. Zhihui Zeng 曾志辉 教授	Development of Polymer Nanocomposite Electromagnetic Shielding Materials 高分子纳米复合电磁屏蔽材料研制	Shandong University 山东大学
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10:45-11:00	Invited	Prof. Yiwei Chen 陈意伟 教授	Exploration of Additive Manufacturing Technology for Fiber Composites in Extreme Space Environments 面向太空极端环境下的纤维复合材料增材制造技术探索	Nanjing University of Aeronautics and Astronautics 南京航空航天大学
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Prof. Xiaoqing Liu
刘小青 教授

11:00-11:15	Invited	Prof. Baohui Shi 史宝会 教授	Research on 3D Printing Technology of Fiber-Reinforced Composites 纤维增强复合材料 3D 打印技术研究	Tiangong University 天津工业大学
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11:15-11:30	Invited	Assoc. Prof. Lei Hou 侯磊 副教授	Polymer Materials with Both High Mechanical Properties and Convenient Processability 兼具高机械性能和便捷加工性的聚合物材料	Donghua University 东华大学
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11:30-11:45	Invited	Assoc. Prof. Huichao Liu 刘会超 副教授	Interface Engineering and Structure-Function Integration of Carbon Fiber Reinforced Thermoplastic Composites 碳纤维增强热塑性复合材料的界面工程与结构 - 功能一体化	Shenzhen University 深圳大学
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Prof. zhengming Huang
黄争鸣 教授

11:45-11:58	Invited	Dr. Jiajun Luo 罗家俊 讲师	Controlled preparation of high-strength and high toughness carbon nanotube/heterocyclic aramid composite fibers 高强高韧碳纳米管 / 杂环芳纶复合纤维的控制制备	Peking University ShenZhen Graduate School 北京大学深圳研究生院
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11:58-12:10	Invited	PhD Candidate, Wushuai Liu 刘武帅 博士生	基于三元模型的三维机织复合材料失效分析 Fracture Failure Analysis of 3D Woven Composite Using a Ternary Model	Shanghai Jiao Tong University 上海交通大学
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