

WAAE 2026 Track 8 Description

Basic Information:

专栏题目
Title

中文：可持续与绿色航空技术
英文： Sustainable and Green Aerospace Technologies

专栏介绍和征稿主题
Introduction and topics

中文：

- 低碳飞机设计与优化
- 节能飞行运行技术
- 降噪与环境影响建模
- 航空气候影响及减缓策略
- 航空航天全生命周期可持续性评估
- 等相关主题

英文：

- Low-Carbon Aircraft Design and Optimization
- Energy-Efficient Flight Operations
- Noise Reduction and Environmental Impact Modeling
- Climate Impact of Aviation and Mitigation Strategies
- Lifecycle Sustainability Assessment in Aerospace

Track Chair(s):

	姓名 Name	盛智芝 Zhizhi Sheng
	称谓 Prefix	项目研究员 Professor
	部门 Department	先进材料研究部 Advanced Materials Division
	单位 Organization	中国科学院苏州纳米技术与纳米仿生研究所 Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences
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	Organizer's Brief Biography	

中文：盛智芝，中国科学院苏州纳米技术与纳米仿生研究所项目研究员，博士生导师。入选中科院青促会会员、江苏省“双创人才”、姑苏青年领军人才。担任中国科学院青促会化材分会秘书长。主要从事气凝胶限域液固复合材料研究。已发表 SCI 学术论文 42 篇，以第一/通讯作者（含共一/共同通讯）发表 SCI 学术论文 19 篇，包括 *Science*、*Nat. Water*、*Sci. Adv.*、*Natl. Sci. Rev.*、*Nat. Commun.*、*Adv. Mater.* 等期刊，合作文章发表在 *Nature*、*Nat. Commun.*、*Adv. Mater.* 等期刊上。以参与单位课题负责人承担国家重点研发计划重点专项 1 项，主持国家自然科学基金面上项目（2 项）、国自然青年科学基金（C 类）、中国科学院-奥地利合作项目、江苏省自然科学基金面上项目等 10 余项。授权中国发明专利 10 项，授权美国专利 1 项。参与起草国家标准 2 项（GB/Z 44235-2024 与 20242888-T-604）。担任 *Nano Materials Science*、*National Science Open*、*Chinese Chemical Letters*、*Journal of Bionic Engineering*、*Polymer Science & Technology* 期刊青年编委，担任 *Nature Communications*、*Advanced Functional Materials*、*Advanced Science*、*Chemical Engineering Journal* 等期刊审稿人。

英文：Zhizhi Sheng is currently a Professor at Suzhou Institute of Nano-Tech and Nano-Bionics, Chinese Academy of Sciences. She is a doctoral supervisor. She was selected as a member of the Youth Innovation Promotion Association (CAS), Jiangsu Province High-Level Innovation and Entrepreneurship Talent Introduction Plan, and Gusu Innovation and Entrepreneurship Leading Talent Plan. She is selected as Secretary General of the Chemistry and Materials Branch of the Youth Innovation Promotion Association (CAS). She has published 42 SCI papers, including 19 papers in high-impact journals as the first author or corresponding author, such as *Science*, *Nature Water*, *Science Advances*, *National Science Review*, *Nature Communications*, *Advanced Materials*, etc. She has undertaken one key project under the National Key R&D Program of China (as the lead investigator at a participating institution), and led ten research projects including National Natural Science Foundation of China (NSFC) General Program/Youth Program, Chinese Academy of Sciences-Austria Cooperative Project, Natural Science Foundation General Program in Jiangsu Province, etc. She obtained 10 authorized Chinese patents and 1 authorized American patent. She has contributed to drafting two national standard in China (GB/Z 44235-2024 and 20242888-T-604). She is a member of the Young Editorial Board of *Nano Materials Science*, *National Science Open*, *Chinese Chemical Letters*, *Journal of Bionic Engineering* and *Polymer Science & Technology*. She is a reviewer of Journal papers such as *Nature Communications*, *Advanced Functional Materials*, *Advanced Science*, *Chemical Engineering Journal*, etc.