

WAAE 2026 Track 5 Description

Basic Information:

专栏题目
Title

中文：智能与自主化航空航天系统
英文：Intelligent and Autonomous Aerospace Systems

专栏介绍和征稿主题
Introduction and topics

中文：

- 人工智能驱动的飞行控制与决策系统
- 无人机的自主导航与感知技术
- 航空航天数字孪生与信息物理系统
- 故障预测与健康管理（PHM）
- 航空电子中的边缘计算与嵌入式人工智能
- 等相关主题

英文：

- AI-Driven Flight Control and Decision-Making Systems
- Autonomous Navigation and Perception for UAVs
- Digital Twins and Cyber-Physical Systems in Aerospace
- Prognostics and Health Management (PHM)
- Edge Computing and Embedded AI in Avionics
- Etc

Track Chair(s):



姓名 Name	王昊泽 Haoze Wang
称谓 Prefix	副教授 Associate Prof.
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Organizer's Brief Biography

中文：
王昊泽，男，副教授，四川资阳市人，国防科技大学航空航天科学与技术专业博士。现为西北工业大学民航学院副教授，硕士生导师，近十余年来一直聚焦飞行器动力学与控制、集群智能技术、飞机先进电动推进技术以及磁悬浮智能轴承技术等研究，先后主持和参与民机专项、军科委创新计划项目、装备预研基金、“921”预研、“高分”重大专项等国家级课题 10 余项，在国内外期刊和重要会议上发表学术论文 30 余篇。

英文:

Haoze Wang was born in Ziyang, Sichuan, P.R. China, in 1983. He received the B.S. degree in Engineering Mechanics from National University of Defense Technology, Changsha, P. R. China, in 2006, and the M.S. and the Ph.D. degrees in Astronautical Science and Technology in 2010 and 2015, respectively.

He is currently an associate professor with School of Civil Aviation, Northwestern Polytechnical University, Xi'an Shaanxi, P. R. China. His current research interests include dynamics and control of flight vehicle, advanced electric propulsion technologies for aircraft, and magnetic bearing technologies. From April 2019 to August 2022, he was an associate research fellow in the School of Aeronautics and Astronautics, Sun Yat-sen University, P. R. China.

	姓名 Name	杨跃能 Yueneng Yang
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Organizer's Brief Biography

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杨跃能，国防科技大学空天科学学院教授，博士生导师，军队青年科技英才、湖南省芙蓉计划科技领军人才，主要从事飞行器总体设计与控制研究，发表论文 70 余篇，授权发明专利 40 余项，出版专著 2 部，获省部级科技奖励 4 项，入选全球前 2% 顶尖科学家学术影响力榜单。担任中国指挥与控制学会无人系统专业委员会委员、中国宇航学会高级会员、国际仿生工程学会会员。担任《Drones》客座主编，《Journal of Bionic Engineering》、《信息与控制》、《无人系统技术》青年编委。

英文:

Yueneng Yang is a professor and PhD supervisor at the College of Aerospace Science and Engineering, National University of Defense Technology. He is a recipient of the Young Talents in Military Science and Technology award and the Hunan Provincial Science and Technology Leading Talent award. His research focuses on aircraft design and control. With over 70 journal papers, 40 authorized patents, and 2 monographs, he has established himself as a leading researcher in his field. His work has been recognized with prestigious honors, including being named among the World's Top 2% of Scientists and receiving four provincial/ministerial-level science and technology awards. Prof. Yang actively contributes to the academic community through his service on multiple professional committees, including the Unmanned Systems Committee (Chinese Institute of Command and Control), the Chinese Society of Astronautics, and the International Society of Bionic Engineering. He also serves as a Youth Editorial Board Member for several journals, including *Drones*, the *Journal of Bionic Engineering*, *Information and Control*, and *Unmanned Systems Technology*.