

WAAE 2026 Track 2 Description

Basic Information:

专栏题目
Title

中文：城市空中交通与先进航空运输系统
英文：Urban Air Mobility and Advanced Air Transportation Systems

专栏介绍和征稿主题
Introduction and topics

中文：

- 低空物流与无人机服务网络设计
- 基于数据驱动与仿真的先进空中机动及运输系统建模与决策支持
- 不确定环境下的韧性空域运行
- 城市空中交通运行的机队管理、路径规划与调度
- 先进航空运输系统的燃油高效与可持续运行
- 其他相关主题

英文：

- Potential topics:
- Low-Altitude Logistics and UAV Service Network Design
 - Data-Driven and Simulation-based Modeling and Decision Support for Advanced Air Mobility and Transportation Systems
 - Resilient Airspace Operations Under Uncertainty
 - Fleet Management, Routing, and Scheduling for UAM Operations
 - Fuel-Efficient and Sustainable Operations for Advanced Air Transportation Systems
- etc

Track Chair(s):



姓名 Name	Chenhao Zhou
称谓 Prefix	Prof.
部门 Department	School of Management, School of Artificial Intelligence, Unmanned System Research Institute
单位 Organization	Northwestern Polytechnical University
城市/地区 City/Region	Xi'an Shaanxi / China
邮箱 Email	zhouchenhao@nwpu.edu.cn

Organizer's Brief Biography

中文：周琛渠，西北工业大学管理学院、人工智能学院/无人系统技术研究院（兼聘），教授，博士生导师，国家级青年人才、陕西省青年人才、陕西省科技新星、陕西高校青年创新团队负责人。博士毕业于新加坡国立大学工业系统工程与管理系，主要从事机场运行优化、民航运维保障、有无人系统仿真与智能决策等方向研究，广泛运用系统仿真、智能优化、强化学习等方法于高水平研究与校企合作。以第一作者或通讯作者发表高水平学术论文 40 多篇，包括 Transportation Science 论文 4 篇、European Journal of Operational Research 论文 4 篇，担任 Transportation Research Part C 客座编辑、Journal of Simulation、Asia-Pacific Journal of Operational Research 副主编。主持多项国家自然科学基金委项目、工信部专项项目以及陕西省重点研发计划，同时承担中兵智能创新研究院、陕西物流集团等企业委托项目，开发多套具有自主知识产权的系统仿真及智能决策平台，授权发明专利 3 项、软件著作权 9 项。获得中国物流与采购联合会科技创新青年奖、陕西高等学校科学技术研究优秀成果奖一等奖（排名第一）等荣誉。

英文：Chenhao Zhou is a Professor and Doctoral Supervisor at the School of Management, and also holds a joint appointment at the School of Artificial Intelligence, and the Unmanned System Research Institute, Northwestern Polytechnical University. He is a recipient of national and provincial young talent programs, including the Shaanxi Provincial Youth Talent and Shaanxi Provincial Science and Technology New Star, and serves as the lead of the Shaanxi University Youth Innovation Team. He received his Ph.D. from the Department of Industrial Systems Engineering and Management at the National University of Singapore. His research focuses on airport operations, aircraft maintenance, and simulation and intelligent decision-making for manned and unmanned systems.

He has published more than 40 high-quality papers as first or corresponding author, including four in Transportation Science and four in the European Journal of Operational Research. He serves as a Guest Editor for Transportation Research Part C, and Associate Editor for the Journal of Simulation and the Asia-Pacific Journal of Operational Research. He has led multiple projects funded by the National Natural Science Foundation of China , special projects from the Ministry of Industry and Information Technology, and key R&D programs of Shaanxi Province. His honors include the Young Investigator Award for Science and Technology Innovation from the China Federation of Logistics & Purchasing, and the First Prize for Outstanding Scientific Research Achievement in Shaanxi Higher Education Institutions (ranked first).

	姓名 Name	Chenyang Wu
	称谓 Prefix	Prof.
	部门 Department	School of Aeronautics
	单位 Organization	Northwestern Polytechnical University
	城市/地区 City/Region	Xi'an Shaanxi / China
	邮箱 Email	cywu@nwpu.edu.cn

Organizer’s Brief Biography

中文：吴辰旻，西北工业大学航空学院副教授，入选第八届中国科协青年人才托举工程、陕西省青年科技新星、陕西省三秦英才引进计划青年项目、陕西省留学人员科技活动择优资助项目、江苏省“双创”博士。吴辰旻副教授主要研究方向为新型交通系统（低空交通、出行即服务等）和交通行为学。2013 年于同济大学土木工程系获得学士学位，2015 年于斯坦福大学土木工程系获得硕士学位，2020 年 1 月博士毕业于帝国理工学院土木与环境工程系。近五年在 Transportation Research Part C 等高水平期刊上以一作/通讯身份发表论文十余篇，并在 Transportation Research Board、世界交通运输大会（World Transport Convention）等国际高水平会议上多次进行特邀或报告，目前主持一项国家自然科学基金面上项目、一项工信部重大项目子课题、一项军工部基础加强项目子课题，完成一项青年项目和两项国家重点研发项目子课题。担任 Case Studies on Transport Policy 期刊编委、《航空工程进展》青年编委、美国交通研究委员会政策与组织协会（TRB Policy and Organization Group）青年会员、中国智能交通协会会员、中国公路学会会员和江苏省交通经济研究会会员。

英文：Chenyang Wu is an Associate Professor at the School of Aeronautics, Northwestern Polytechnical University. Her research focuses on emerging transportation systems, particularly low-altitude transportation and Mobility-as-a-Service (MaaS), as well as travel behaviour analysis. She received her B.Eng. in Civil Engineering from Tongji University in 2013, her M.S. from Stanford University in 2015, and her Ph.D. in Civil and Environmental Engineering from Imperial College London in January 2020.

She has published more than thirty papers as first or corresponding author in leading transportation journals. She has led several National Natural Science Foundation of China (NSFC) General Program and has involved in several National key R&D programs. She is also leading the low-altitude of multiple cities in China.

She serves as an Editorial Board Member of Case Studies on Transport Policy and a Youth Editorial Board Member of Advances in Aeronautical Science and Engineering. She is also an active member of several professional organizations, including the Transportation Research Board (TRB) Policy and Organization Group, the China Intelligent Transportation Systems Association, the China Highway and Transportation Society, and the Jiangsu Transportation Economics Association.



姓名 Name	Lingxiao Wu
称谓 Prefix	Dr.
部门 Department	Department of Aeronautical and Aviation Engineering
单位 Organization	The Hong Kong Polytechnic University
城市/地区 City/Region	Hong Kong / China
邮箱 Email	lingxiao-leo.wu@polyu.edu.hk

Organizer's Brief Biography

中文：吴凌霄博士是香港理工大学航空及民航工程学系助理教授。在此之前，他曾任加拿大蒙特利尔高等商学院（HEC Montréal）博士后研究员。吴博士于 2020 年获得香港理工大学交通运输研究博士学位。他的研究专长与兴趣主要集中在设计和实施结合运筹学与数据分析的优化方法，以解决物流管理和交通运输领域中出现的问题，尤其关注航空和海运系统。其研究成果已发表于多本国际顶尖期刊，包括 Operations Research、Transportation Research Part A/B/C/D/E 和 Transportation Science 等。

英文：Dr. Lingxiao Wu (Leo) is an Assistant Professor at the Department of Aeronautical and Aviation Engineering, The Hong Kong Polytechnic University. Prior to this, he was a Postdoctoral Research Fellow at HEC Montreal, Canada. Dr. Wu received his PhD degree in Transportation Studies from The Hong Kong Polytechnic University in 2020. His research expertise and interests mainly lie in the design and implementation of methods that combine operations research and data analytics for solving problems arising in logistics management and transportation, especially in aviation and maritime systems. His research has appeared in leading international journals, including Operations Research, Transportation Research Part A/B/C/D/E, and Transportation Science, among others.