

ICICN2026 Track 3 Description

Basic Information:

专栏题目 Title	中文：分布式多雷达协同跟踪及资源管理 英文：Collaborative targets tracking and resource management for distributed multi-radar
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专栏介绍和征稿主题

Introduction and topics


中文：

近年来，随着信号与信息处理、通信网络技术的快速发展，分布式雷达能够基于预测的先验信息实现对外界环境的实时精确感知。作为分布式雷达的重要任务之一，协同目标跟踪可借助收发端多维资源的联合调度来提升任务性能。由于收发两端资源的多样性，如何在实际应用中实现多维资源的最优调度以最大化目标跟踪精度，这仍然是一个有待解决的科学问题。尽管国内外学术界、工业界展开了广泛研究，但仍然存在许多有待深入探讨的问题。本专栏旨在将来自学术界、工业界的研究人员聚集在一起，共同探讨分布式多雷达协同跟踪、资源管理技术及其工程应用的最新研究成果。

英文：

In recent years, with the rapid development of signal and information processing, and communication network technologies, distributed radars can achieve real-time and accurate perception of the external environment based on predicted prior information. As one of the important tasks of distributed radars, cooperative target tracking can enhance task performance through the joint scheduling of multi-dimensional resources at the transmitting and receiving ends. Due to the diversity of resources at the transmitting and receiving ends, how to achieve optimal scheduling of multi-dimensional resources in practical applications to maximize targets tracking accuracy remains a scientific problem that needs to be solved. Although extensive research has been conducted by the academic and industrial communities at home and abroad, there are still many issues that require in-depth exploration. This track aims to bring together researchers from the academic and industrial sectors to jointly discuss the latest research results in distributed multi-radar cooperative tracking, resource management technologies, and their engineering applications.

Track Chair(s):

	姓名 Name	苏洋
	称谓 Prefix	副教授
	部门 Department	电子与信息工程学院
	单位 Organization	南京信息工程大学
	城市/地区 City/Region	南京/江苏

Organizer's Brief Biography

中文:

苏洋, 副教授, 博士。毕业于电子科技大学, 就职于南京信息工程大学。长期从事分布式雷达协同探测跟踪与资源优化管理、信息融合方面的研究。主持江苏省高校基础科学面上项目、教育部重点实验室开放课题等项目, 作为主研人员参与包括国家自然科学基金重点项目、JKW 创新特区重点项目在内的多项国家级科研项目, 以第一作者身份在 *IEEE Transactions on Aerospace and Electronic Systems*、*Signal Processing*、*IEEE Systems Journal* 等本领域权威期刊和 *IEEE Radar Conference*、*International Conference on Information Fusion* 等国际会议上发表论文 10 余篇。荣获 *IEEE ICSIDP 2024* 优秀论文奖, *ICAUS 2024* 最佳海报奖提名。现任《现代雷达》、《西安邮电大学学报》、《科技通报》青年编委。担任 *IEEE Trans. Aerosp. Electron. Syst.*、*Signal Process.*、*SPL*、*IEEE Syst. J.*、*IET Radar, Sonar & Navigation*、*DSP*、《雷达学报》、《现代雷达》、《电子与信息学报》、《系统工程与电子技术》(英文版) 等期刊审稿人。

英文:

Yang Su received the Ph.D. degree in information and communication engineering from University of Electronic Science and Technology of China (UESTC), Chengdu, China, and then he joined the School of Electronic and Information Engineering, Nanjing University of Information Science and Technology (NUIST). He is currently an associate professor of NUIST, and a member of IEEE, IEEE AESS, SPS,GRSS, and the Chinese Institute of Electronics. His current research interests focus on the networked radar system, radar resource management, collaborative sensing and information fusion. He was invited to serve as the chairman of sub-forums of international academic conferences such as ICET 2024 and ICSPS 2024, 2025, and gave the invited reports. He won the Excellent Paper Award in ICSIDP 2024 and was nominated for the Best Poster Award in ICAUS 2024. He currently serves as the young editors of three core journals, including *Modern Radar*, *Journal of Xi'an University of Posts and Telecommunications*, *Bulletin of Science and Technology*. Now, he is also a reviewer for journals such as *IEEE Transactions on Aerospace and Electronic Systems*, *Signal Processing*, *IEEE Systems Journal*, *IET Radar Sonar & Navigation*, *Journal of Radar*, *Moder Radar*, and *Systems Engineering and Electronics*.

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