2022 第十届中国指挥控制大会
特邀专题论坛简介

面向智能化战争的指挥控制网络
潘成胜教授，南京信息工程大学 **王金伟教授，南京信息工程大学，wjwei@nuist.edu.cn** **杨力教授，南京理工大学，yangli945@126.com**
特邀专题简介（背景、目的、意义和内容） 随着网络通信技术的长足发展与人工智能技术的方兴未艾，多域联合作战、马赛克作战、分布式作战、无人机蜂群作战等新型作战样式层出不穷，战争形态由网络中心战向智能化战争飞速转化。智能化战争急需具备全域覆盖、跨域融合、弹性泛在、敏捷适变、智能应用等能力的指挥控制网络的支撑，急需创建面向智能化战争的指挥控制网络新理论、新架构、新技术。 本特邀专题邀请以下与“面向智能化战争的指挥控制网络”主题相关的包含创新思想、概念、新发现、改进以及新应用的英文或中文原创论文。 • 智能指挥控制网络理论 • 敏捷指挥控制网络技术 • 智能战术边缘网络技术 • 指挥控制网络安全技术 • 复杂战场气象栅格技术 • 指挥控制网络孪生技术

C2-China 2022
Invited Session Summary

Title of Session
Command and Control Network for Intelligent Warfare
Name, Salutation, Affiliation and Email of Organizers
Professor Chengsheng Pan & Jinwei Wang, Nanjing University of Information Science & Technology, wjwei@nuist.edu.cn

Details of Session (background, purpose, significance and scope)

With the rapid development of network communication technology and the ascendant of artificial intelligence technology, new combat modes such as multi-domain joint operations, mosaic operations, distributed operations and unmanned aerial vehicle swarm operations emerge in endlessly, and the war form is rapidly transformed from network-centric warfare to intelligent warfare. Intelligent warfare urgently needs the support of command and control (C2) network with the ability of full coverage, cross-domain integration, flexible ubiquitous, agile adaptation and intelligent application. It is urgent to create a new theory, new architecture and new technology of C2 network for intelligent warfare.

This session invites to submit English or Chinese papers related to new idea, concept, discovery, improvement and applications on C2 network for intelligent warfare. Topics of interest include, but are not limited to:

- Theory on intelligent C2 network
- Establishment on agile C2 network
- Intelligent tactical edge network
- C2 network security
- Meteorological grid in complex battlefield
- Digital twin for C2 Network