

IEEE ICUS 2021

Invited Session Summary

Title of Session Intelligent Cooperative Control and Optimization of Autonomous Unmanned Systems
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Details of Session (including aim and scope) Unmanned system is a class of system that synthesizes a series of advanced technologies, including the system science and technology, control science and engineering, robotics, aerospace engineering and marine technology. Owing to the development of artificial intelligence (AI), the investigation of intelligent autonomy for unmanned systems has attracted increasing attentions in both academic and industry communities. This session intends to provide a platform for researchers to present the advanced development of the cooperative control and optimization of autonomous unmanned systems. The topics of this session include, but are not limited to: <ul style="list-style-type: none">• Cooperative detection and transmission of autonomous unmanned systems• Cooperative control of autonomous unmanned systems• Distributed optimization of autonomous unmanned systems• Reinforcement learning algorithms for autonomous unmanned systems• Intelligent technology and applications for autonomous unmanned systems