Task Allocation and Collaborative Strategy for Swarm Intelligence System

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Swarm intelligence system cooperative operation refers to a model in which multiple intelligent agents as a whole system cooperate to complete a combat task, including autonomous decision-making, multi-target allocation, and coordinated attack. The modern battlefield environment will witness a promising future of swarm intelligent systems and their applications. In this proposed invited session, we would like to solicit research papers related to situation evaluation, task allocation, swarm intelligence optimization, cooperative localization, frameworks for collaboration, constrained cooperative guidance law, et al.

Key words: Swarm intelligence system; constrained cooperative guidance law; task allocation;

群智能系统的任务分配和协同策略

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群智能系统协同作战是指多个智能体作为一个整体系统，相互协作共同完成作战任务的一种模式，包含自主决策、多目标分配和协同攻击等多个方面。在现代战场环境下，群智能系统及其实际应用有着广阔的研究前景。本专题拟征集任务分配、协同制导方向的论文，内容涉及但不限于态势评估、任务分配、群智能优化、协同定位、协同架构、含约束的协同制导等。

关键词：群智能系统，协同制导，任务分配