

Behavior Control and Constructive Simulation in Complex Systems

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Complex system engineering is a frontier field in the aerospace field, and behavior control and constructive simulation of complex systems are also the significant and hot issues of system engineering. It has a wide range of applications in architecture design, system simulation, and system of systems capability evaluation. The purpose of this session is to bring together experts, scientists and engineers throughout the world to present and share their recent research results and innovative ideas related to swarm intelligence in unmanned systems. The topics of paper include, but are not limited to: Model-based system engineering (MBSE), system control and decision modeling, system engineering theory and method, system modeling and simulation theory method, constructive simulation application for complex system operation and confrontation, etc..

复杂系统的行为控制与推演仿真

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复杂系统工程是航空航天领域的前沿领域, 而复杂系统的行为控制与推演仿真也是系统工程的核心问题和热点问题, 其在体系架构设计、系统仿真、体系能力评估等领域中具有广泛的应用。本专题旨在与世界范围内的相关专家、学者、工程师一道, 共同展示和分享复杂系统的行为控制与推演仿真相关应用的新思路和新成果。本专题论文主题包含但不限于: 基于模型的系统工程 (MBSE), 系统控制与决策建模, 体系工程理论与方法、体系建模与仿真理论方法, 面向复杂系统运行与对抗的推演仿真应用等等。