

IEEE ICUS 2021

Invited Session Summary

Title of Session Marine situation intelligent awareness and cognition of unmanned system
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Details of Session(including aim and scope) The aim of this session is to promote the development of new concepts, theories and technologies in the field of marine situation intelligent awareness and cognition of unmanned system. It provides a communication platform for experts, scholars and engineering technicians in relevant fields. Scope of solicitation(Including but not limited to the following): <ol style="list-style-type: none">1. Construction and evolution of marine spatiotemporal knowledge graph2. Unified representation of marine multi-source heterogeneous data3. Intelligent tracking and recognition of marine targets based on multi-source heterogeneous information4. Marine situation awareness and knowledge extraction5. Target and group behavior cognition under incomplete information6. Intelligent scheduling of sensors in unmanned system

7. Marine situation evolution law mining and anomaly analysis
8. Acceleration of intelligent cognitive computing for marine situation
9. Game confrontation of unmanned ships at sea
10. Unmanned system multi-modal camouflage generation
11. Unmanned system cluster intention recognition and prediction
12. Unmanned system threat assessment and assisted decision-making