Call For Papers

Special Session: Interactive Unmanned System and Intelligent Applications
Conference: The 2022 International Conference on Cyber-physical Social Intelligence (ICCSI)

Date: October 21-24, 2022   **Meeting mode**: Hybrid
Location: Nanjing, China   **Web site:** https://iccsi2022.agist.org

Unmanned systems have received much attention in the research community, covering a wide range of vehicular systems, from aerial vehicles, to ground robots, to under-water systems. The recent trend of study attempts to investigate the autonomy of unmanned systems, including developing automatic machine systems and increasing the level of intelligence by incorporating machine learning and artificial intelligence. Another trend focuses on cooperation and coordination among unmanned systems, often under the theme of multi-agent systems and its related topics. From the systematic perspective and the scope of unmanned systems, there exists a need for comprehensive understanding how unmanned systems interact with their environment, with each other, with humans, and so on. In this session, we would like to collect and investigate the recent advances in the ongoing researches of Interactive Unmanned System and Intelligent Applications. We also welcome high-quality papers in all theoretical and practical aspects of the unmanned intelligent systems.

Interested topics include (but not limited to):
- Human-centered reasoning, decision-making and controlling
- Intelligent control and decision in unmanned system
- Interactive intelligent technologies
- Manned-unmanned cooperation and coordination
- Trusted Machine Learning and its application
- Knowledge-based intelligent technologies
- Multi-agent reinforcement learning and its applications
- Intelligent Perception and Navigation for Unmanned Systems
- UAV intelligent swarm and its applications

Important Dates:
May 15, 2022,   Full paper submission
July 1, 2022,   Acceptance/Rejection notification
August 31, 2022,   Final camera-ready papers due

Special Session Co-chairs:
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All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above