Swarm Intelligence in Unmanned Systems

Organizers:

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Swarm intelligence is a cutting-edge direction of artificial intelligence, and the research on swarm intelligence applied to unmanned systems has become a hot research topic. Such unmanned platforms include unmanned aerial vehicles (UAVs), unmanned ground vehicles (UGVs), unmanned surface vehicles (USVs), unmanned underwater vehicles (UUVs) and robots. 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: theoretical foundation and new model of swarm intelligence, standard and open framework for swarm tasks, novel cooperative/collective sensing, communication, decision-making, control, and learning methods, basic autonomous platforms, innovative applications and new trends.