Special Issue

Multi-Agent Reinforcement Learning for Multiscale Unmanned Systems

Message from the Guest Editor

With the advances made in low-cost sensors and embedded systems, multiscale unmanned systems (MUS), comprised of tens, hundreds, or even thousands of autonomous mobile robots, are becoming a viable solution for conducting long-duration autonomous tasks over large regions of interest. Such tasks entail many mobile robots cooperating to complete common tasks based on information/data sharing and fusion among robots, including robotic swarm navigation, information collection, large-scale search and rescue, and multi-agent-multi-target surveillance. Due to complex and time-varying real environments, the practical MUS problems always be formulated and solved by multi-agent reinforcement learning (MARL) approaches. This Special Issue (*Multi-Agent Reinforcement Learning for Multiscale Unmanned Systems*) aims to highlight the latest research in MARL and its applications in MUS.

Guest Editor

Dr. Pingping Zhu

Department of Computer Science and Electrical Engineering, Marshall University, Huntington, WV, USA

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Prof. Dr. Paolo Bellavista
Department of Computer Science & Engineering (DISI), University of Bologna, 40136 Bologna, Italy

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