

Special Issue

Collective Mobile Robotics: From Theory to Real-World Applications

Message from the Guest Editor

From theoretical models to deployment of real robots, Collective Mobile Robotics (CMR) have witnessed a growing interest last two decades. In the context of this special issue, a swarm is considered as a set of autonomous machines presenting a collective behavior without relying on any centralized mechanism. This special issue aims at offering a venue for specialists of any domain related to robot swarming, from theoretical foundations to real-world applications including robotic platforms and testbeds. Measuring the distance that may exist between theory and practical experiments, and raising open questions related to swarm robotics is one of the objectives of this SI. Contributions of mature works as well as emerging new ideas from theoretical models to existing hardware solutions enabling robots to behave as swarms are welcome.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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