Special Issue

Swarm Robotics 2020

Message from the Guest Editor

Robots, traditionally stand-alone systems, are quickly moving towards “everything connected” applications, accelerated by the availability of IoT-powered resources like big data, advancements in machine learning and the deployment of distributed cloud computing infrastructure at the network edge. In this Special Issue we want to address recent advances in the following areas:

- Cognitive computing
- Multi-actor coalition forming and cooperative behaviors
- Adaptive capability reconfiguration through distributed intelligence
- Fog computing for smart manufacturing
- Multi-agent robot systems
- Deep learning and reinforcement learning for robotics
- Building smart systems using IoT, deep machine learning, robotics, and artificial intelligence
- Cellular learning automata for networked robots.
- Wearable interactions for joint human–robot problem solving
- Neuromorphic robotic control architectures and controllers
- Cloud-assisted swarm robotics with novel communication paradigms

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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