Advances in Underwater Robotics

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Message from the Guest Editor

Dear Colleagues,

Robotics has long established itself as the key technology for the exploration and exploitation of the underwater environment and of other activities that are performed under the sea surface. The richness of resources in the underwater environment and its intrinsic hostility motivate and challenge science and technology to conceive and construct ever more efficient robotic tools and techniques. In particular, there is a great demand for increasing the functional and behavioral autonomy of underwater robots; facilitating human/machine interaction; reducing costs, and increasing safety, reliability and efficiency. This Special Issue will highlight challenges and needs and will provide visibility for recent breakthroughs. In relation to underwater robotics, topics of interest include:

- Vehicles and drones
- Underwater manipulation
- Swarm of heterogeneous robotic agents
- Robotic sensing and communication
- M/M interaction
- Decision support and safe operation
- Educational and recreational robotics

Prof. Dr. Giuseppe Conte
Guest Editor

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

It is my great pleasure to welcome you to our open access journal, Robotics, which is dedicated to both the foundations of artificial intelligence, bio-mechanics and mechatronics, and the real-world applications of robotic perception, cognition and actions. The 21st century is the robotics century and intelligent robots will change our lifestyle forever. Let us work together toward the realization of intelligent robots step by step.

It is great fun to create intelligent robots and imagine their practical applications. Robotics is now ready to serve you in the long journey towards such a goal.

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