



Bio-Inspired Robot and Multirobot Systems

Guest Editor:

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Message from the Guest Editor

Dear Colleague,

The design of robots of all shapes and sizes is inspired by the ability of animals to move effectively in their environment. Recent years have seen an increasing interest in nature-inspired modeling for solving complex computational problems; recent work shows strong potential in creating artificial systems that mimic insect behavior for solving complex coordination tasks. These insects have evolved over a long time and display unusual behaviors that are highly suitable for addressing complex tasks. The insect-inspired multiagent research applying these techniques to robotic systems is motivated by a wide range of application areas, such as surveillance and patrolling, exploration and identification of hazardous environments, space exploration, etc. Though easy to simulate, artificial pheromones are hard to bring into real-life robotic applications. This Special Issue will be of interest mainly to scientists, researchers, and students working in bio-inspired robotics and multirobot systems. Still, it can also be interesting to other readers interested in the more general areas of robotics and control.

Prof. Dr. Nuno Miguel Fonseca Ferreira

Guest Editor





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Message from the Editor-in-Chief

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