



Biorobotics and Bionic Systems

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editor

Dear Colleagues,

The increasingly complex and wide use of robots is driving a growing number of scientists to investigate and understand processes and mechanisms evolved by living organisms to face particular problems in order to reproduce these strategies in artificial agents.

These agents are far from traditional robots used in industry that are programmed to fulfill specific tasks in structured environments.

Biorobotics and bionics are relatively young scientific and technological fields that include several disciplines such as robotics, biology, medicine, micro-nanotechnology, and artificial intelligence.

This Special Issue welcomes original research and review articles that cover, but are not limited to:

- Biomimetic and bioinspired artifacts;
- Biohybrid systems;
- Biomechanics;
- Bionic sensors;
- Micro-electromechanical systems;
- Multi-agent systems;
- Neuro-robotics;
- Soft robotics;
- Swarm intelligence.





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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.

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