

Special Issue

Bioinspired Robotics

Message from the Guest Editors

Dear colleagues, Inspired by nature and biology, bioinspired robotics focuses on the novel design and control of robots. These robots include humanoid robots, crawling robots, jumping robots, modular robots, legged robots, flying robots, swimming robots, cobots, and climbing robots. Most of these robots have some locomotion system, and they often learn from nature. To contribute to this area extensive research has been conducted on biosensors, actuators, artificial muscles, biomaterials, bio-inspired control, artificial intelligence, adaptive learning, control using biological signals such as EMG and EEG, anthropomorphic design of robots, motion planning, vision-based control, autonomous navigation/control, and intelligent control. This Special Issue aims to gather cutting-edge research contributions in bioinspired robotics, focusing on the novel design and control of bioinspired robots in different application settings/environments, including home/clinical use, industry, search and rescue, underwater, space, and military applications. For more information, please visit: mdpi.com/si/126448

Guest Editors

Prof. Dr. Mohammad H. Rahman

Mechanical Engineering, University of Wisconsin-Milwaukee, 2100 E. Kenwood Blvd., Milwaukee, WI 53211, USA

Dr. Jawhar Ghommam

1. College of engineering, ECE, Sultan Qaboos University, PC 123 Muscat, Oman

2. GREPCI, Ecole de Technologie Superieure, Montreal, QC, H3C 1K3, Canada

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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