

Special Issue

Biologically Inspired Robotic Mechanisms, Control, and Multimodal Sensor Fusion for Human-Robot Coexistence

Message from the Guest Editors

Attention in this Special Issue is particularly focused on the various integrations of robotics with biologically inspired mechatronics systems and control technology, and cognitive sensor systems with the goal of developing new multidimensional robotic service. This includes mechanism modeling and design, intelligent control, cognitive algorithm and sensor fusion, robot learning, and cognitive modeling for human-robot collaboration. Topics of interest include (but are not limited to):

- Design, modeling, and control of multi-DOF robotic systems
- Biologically inspired mechanisms and applications
- Development of biomechatronic systems for human-centered robots
- Human-in-loop cooperative robotic systems and compliant control
- Human intention and disturbance estimation
- Vision, sensing, perception, and navigation
- Collaborative robots and human-robot interaction
- Control of multiple robots and network systems
- Artificial intelligence, machine learning
- Multimodal sensor system

Guest Editors

Prof. Dr. Woosung Yang

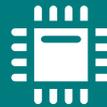
School of Robotics, Kwangwoon University, Seoul 01897, Korea

Prof. Dr. Juhoon Back

School of Robotics, Kwangwoon University, Seoul 01897, Korea

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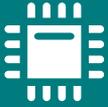


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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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