

Special Issue

Design, Control, and Biomechanics of Prosthetic Limbs

Message from the Guest Editors

This special issue aims to support advancements in a field that has historically encountered serious challenges in successfully translating research into clinical practice. Therefore, demonstration of the translation potential of the proposed research will be especially appreciated by our editorial team. In this issue, original research articles and reviews are welcome. Research areas include (but are not limited to) the following:

- Neuroprostheses
- Robotic arm and leg design and control
- Intent recognition and intuitive control strategies
- Shared control and semi-autonomous prostheses
- Functional assessment
- Biomechanical analyses of grasping and walking actions
- Sensory feedback restoration
- User-in-the-loop myoelectric signals processing (pattern recognition, regression, state machines, deep learning, etc)
- Prosthetic user perception and clinical preferences
- Home-use and out-of-the-Lab assessments

We look forward to receiving your contributions.

Guest Editors

Dr. Enzo Mastinu

Dr. Eric J. Earley

Dr. Nili Krausz

Deadline for manuscript submissions

closed (24 June 2023)



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

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Editor-in-Chief

Prof. Dr. Marco Cicciu
Department of Biomedical and Surgical and Biomedical Sciences,
Catania University, 95123 Catania, Italy

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