



## Design, Control, and Biomechanics of Prosthetic Limbs

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### Message from the Guest Editors

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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

Deadline for manuscript  
submissions:

**closed (24 June 2023)**



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We look forward to receiving your contributions.

# Special Issue