



Intelligent Systems, Robots and Devices for Healthcare and Rehabilitation

Guest Editors:

Dr. Duk Shin

Department of Mechatronics,
Tokyo Polytechnic University,
Atsugi 243-0297, Japan

Dr. JaeHyo Kim

Department of Mechanical and
Control Engineering, Handong
Global University, Pohang 37554,
Republic of Korea

**Dr. Abdelkader Nasreddine
Belkacem**

Department of Computer and
Network Engineering, United
Arab Emirates University, Abu
Dhabi, United Arab Emirates

Deadline for manuscript
submissions:

29 November 2024

Message from the Guest Editors

We invite researchers to submit original research papers and review articles that address novel methods for rehabilitation that promote advances to help patients and older adults with motor impairments, including brain-machine interfaces, prosthetics, rehabilitation robots, and control actuators. These new methods promote the advancement of intelligent healthcare and biomedical systems.

Potential topics include, but are not limited to, the following:

- Actuator control methods for interactions between human and devices.
- Novel rehabilitation/healthcare systems.
- Assistive technologies for patients with motor control impairments.
- Personalized rehabilitation interfaces for adapted physical activity.
- New techniques using deep learning and machine learning.
- Internet of Medical Things (IoMT).
- Biomimetic robots and home support robots.

