

Special Issue

Rehabilitation Robots and Assistive Devices: A Special Issue in Honor of Prof. Dr. Rory A. Cooper

Message from the Guest Editors

This Special issue of *Actuators* is dedicated to Dr. Rory Cooper for his outstanding innovations in wheeled assistive mobility and robotics, and his contributions in the field of assistive technology. His inventions have greatly benefitted the health, mobility and social inclusion of people with disabilities and older adults.

Dr. Cooper's research interests and scientific/technical expertise have evolved in recent years, and now include participatory action design and engineering, seating and mobility, accessible transportation, autonomous and electric vehicle accessibility accommodations, adaptive sports, and patient transfer robots, among others.

This Special Issue will have a broad focus on rehabilitation robots and other assistive devices that move or are actuated, and their ability to improve the functional daily activities of people with disabilities and older adults. The *Actuators* journal welcomes the submission of original research and review articles in these areas.

Guest Editors

Dr. Jonathan Duvall

Dr. Jorge L. Candiotti

Dr. Brad Duerstock

Dr. Jongbae Kim

Deadline for manuscript submissions

closed (30 September 2024)



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About the Journal

Message from the Editorial Board

We are just entering the Next Wave of Technology (NWT) where actuators will play the same role as the computer chip did for computers/social media approximately four decades ago. Just in the U.S., production of \$1 trillion year of electromechanical systems (vehicles, orthotics, manufacturing cells, freight trains, aircraft, etc.) will be impacted by the NWT, all driven by actuators. Five key trends can be found for the future perspectives: “Performance to Reliability”, “Hard to Soft”, “Macro to Nano”, “Homo to Hetero” and “Single to Multi functional”. We invite papers that primarily impact these economic sectors; those illustrating basic scientific principles are also welcome.

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