

Wearable Robotics III

Date / Time Aug. 24 (Wed.), 2022 / 10:00-11:30

Room Room 517

Session Chair TBA

[WeO1A.1]

10:00-10:15

Theoretical Development of a Knee-Ankle ExoNET to Supplement Muscle Function

Beatrice Malizia, Michael Jacobson, Partha Ryali, Myunghee Kim, and James L. Patton

[WeO1A.2]

10:15-10:30

ReRobApp: A Modular and Open-Source Software Framework for Robotic Rehabilitation and Human-Robot Interaction

Jose Y. Moreno, Felix M. Escalante, Thiago Boaventura, Marco H. Terra, and Adriano A. G. Siqueira

[WeO1A.3]

10:30-10:45

HANS: A Haptic System for Human-to-Human Remote Handshake

Mihai Dragusanu, Zubair Iqbal, Alberto Villani, Nicole D'Aurizio, Domenico Prattichizzo, and Monica Malvezzi

[WeO1A.4]

10:45-11:00

Phase Segmentation and Percentage Prediction of Trunk Movement Cycle

Xupeng Ai, Victor Santamaria, Antonio Prado, and Sunil K. Agrawal

[WeO1A.5]

11:00-11:15

Comparison of Reaching Motion in Mixed Reality Headset and End-Effector-Based Robotic Arm with Flat Panel Display

Jae-Yeop Nam, Seong-Hoon Lee, and Won-Kyung Song

[WeO1A.6]

11:15-11:30

Throwing Strategy in a Dual-Motor-Task of Aiming at the Bullseye while Walking in Virtual Reality

Yogesh Singh, Sunil K. Agrawal, and Vineet Vashista