IEEE CASE 2024

Workshop on Human Movement Understanding, Whole-Body Control, and Human-Robot Interfaces

Challenges and Opportunities in Manufacturing, Healthcare, and Underwater Exploration

Oussama Khatib - Stanford University
Keynote on Underwater Exploration and Control Architectures

Tomohiro Shibata - Kyushu Institute of Technology
"Neural Oscillator-Focused Human-Robot Interaction: Overcoming Dressing and Gait Challenges"

Jaeheung Park - Seoul National University
"Interactive Robotic Avatar System for Enhanced Remote Exploration"

Mitsuhiro Hayashibe - Tohoku University
"Bioinspired Whole-Body Control Synergy Emergence and AI-CPG"

Enrico Hoffman - INRIA
"OpenSoT: A Software Tool for Advanced Whole-Body Control"

Taizo Yoshikawa - Honda
"Whole-Body Control and Manipulation for Underwater Robot Operations"

This Workshop is supported by the IEEE RAS Technical Committees on Human Movement Understanding and Whole-Body Control