



Category: Development & Implementation of Technology

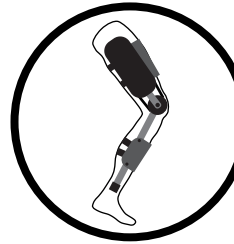
Balance Control for Lower-limb Prostheses & Exoskeletons

Organized by Maura Eveld & Edwin van Asseldonk, *University of Twente*

Sunday, September 24 10:30-12:00

Introduction

While lower-limb prostheses & exoskeletons have shown great potential for improving mobility and augmenting performance, their adoption in the real world is still hampered by a crucial barrier: balance control



Register at:
rehabweek.org

10:35-10:50



Michael Raitor
Stanford University

Exploring human balance using mechanical perturbations and experimentally-imposed balance impairments

10:50-11:05



Dr. Aaron Young
Georgia Tech

Learning from humans: how can we enable exoskeleton human-like (or super-human) capabilities for restoring balance in unstable gait?

11:05-11:20



Dr. Nidhi Seethapathi
MIT

Predictive models of locomotor adaptation to exoskeleton control

11:20-11:35

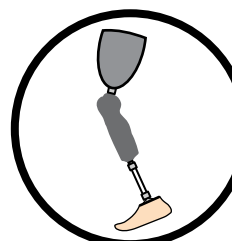


Eloise Dalin
Wandercraft

Safe walking rehabilitation on the exoskeleton Atalante

Panel Discussion

With this symposium, we are bringing together balance control experts (as both speakers and attendees!) to work toward safer devices that can truly be realized in daily life.



11:35-12:00