

## TBrainBoost Workshop 4.0

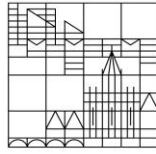
### Enhancing Healthy Aging: Integrating Motor Control, Exercise, and Technology Transfer



#### AGENDA

#### Day 1, 08.10.2025

09:00 – 9:30	<b>Registration (on-site participants) and ZOOM log in (online participants)</b>
09:30 – 09:45	<b>Opening</b> Markus Gruber, University of Konstanz <b>Introduction to Workshop</b> Michael Schwenk, University of Konstanz
<b>Block 1: Technology-based Balance Training for Falls Prevention: From Lab to Patient to Market</b>	
09:45-10:15	<b>Augmented Visual Orientation Cues as a countermeasure for vertigo and fall risk</b> Lorenz Assländer, University of Konstanz
10:15-10:45	<b>Cognitive-Motor Exergame Training Across Populations and Settings: From Theory to Clinical Implementation</b> Eleftheria Giannouli, ETH Zurich
10:45-11:00	<b>Coffee Break</b>
11:00-11:30	<b>Dose-response relationship of perturbation treadmill-based balance training</b> Christian Werner, Heidelberg University
11:30-12:00	<b>#FallCheck and #FallVaccine in a falls clinic</b> Tim Fleiner, University Hospital & University of Applied Sciences, Ulm
12:00-12:30	<b>Bringing perturbation-based balance training out of the lab and into the real world</b> Chris Awai, Lake Lucerne Institute
12:30-14:00	<b>Lunch Break</b>

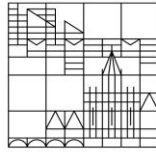


## Block 2: Novel Assessment and Treatment Strategies: From Lab Research to Real-world Impact to Digital Innovation

14:00-14:30	<b>Mobile Neuroimaging in Balance and Locomotion Control</b> Uroš Marušič, ZRS Koper
14:30-15:00	<b>Real-world gait assessment in natural environments: The Mobilise-D approach clinic (Talk)</b> Carl-Philipp Jansen, Heidelberg University Hospital
15:00-15:15	<b>Coffee Break</b>
15:15-15:45	<b>Bridging innovation and industry: Advancing robotics technology</b> Kevin de Pauw, Vrije Universiteit Brussel
15:45-16:15	<b>The road to understanding fatigue: What is the relevance for society?</b> Laurisa Arenales Arauz, Vrije Universiteit Brussel
16:15-16:30	<b>Day 1 Wrap-up</b> Michael Schwenk, University of Konstanz
16:30	<b>End Day 1</b>
19:00	<b>Networking Dinner</b>

## Day 2 (Hands-on), 09.10.2025

9:00-10:00	<b>Markerless Motion Tracking Based on Smartphone Video Recordings (Hands-on, Data Theater)</b> Daniel Seebacher / Manuel Stein, Subsequent GmbH	
10:00-10:15	<b>Coffee Break</b>	
10:15-11:15	<b>Group 1:</b> <b>Mobile perturbation-based balance training (Hands-on, Data Theater)</b> Chris Awai, Lake Lucerne Institute	<b>Group 2:</b> <b>Cognitive-motor Exergame (Hands-on, Data Theater)</b> Mitja Gerzevic, Alma Mater Europaea University
11:15-11:30	<b>Coffee Break</b>	
11:30-12:30	<b>Group 2:</b> <b>Mobile perturbation-based balance training (Hands-on, Data Theater)</b> Chris Awai, Lake Lucerne Institute	<b>Group 1:</b> <b>Cognitive-motor Exergame (Hands-on, Data Theater)</b> Mitja Gerzevic, Alma Mater Europaea University



12:30-13:30	<b>Lunch Break</b>
13:30-14:30	<b>Sensory integration for human balance control (Hands-on, Lab)</b> Lorenz Assländer, University of Konstanz
14:30-14:45	<b>Coffee Break</b>
14:45-15:45	<b>Mobile Neuroimaging in Balance and Locomotion Control (Hands-on, Lab)</b> Uroš Marušič, ZRS Koper
15:45-16:00	<b>Discussion/Coffee Break</b>
16:00	<b>Workshop End</b>