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**Category:** Telerehabilitation

**Workshop Title:** THERE IS NO PLACE LIKE HOME- CLOSING THE GAP BETWEEN EVIDENCE AND REALITY OF DIGITAL TECHNOLOGY SOLUTION FOR REMOTE NEUROREHABILITATION

**Organizer(s):** Christoph Bauer

**Speaker(s): Organizers:** Branscheidt, Meret, ETHZ Switzerland & Cereneo Switzerland  
Cortés, Juan Camilo, Dubai Health, UAE

Bauer, Christoph, Lake Lucerne Institute Switzerland & University of Jyväskylä Finland

**Contributors and Speakers:** Lambercy, Olivier, ETHZ Switzerland

Roemmich, Ryan, Kennedy Krieger Institute USA

Jaser Mahmoud, Wala, Lake Lucerne Institute Switzerland

Cortés, Juan Camilo, Dubai Health, UAE

**Workshop Time:** 16:00 - 17:30

**Attendee Engagement:** A key interactive element will include an online survey to gather real-time audience feedback on barriers and challenges to telerehabilitation adoption. Survey results will be analyzed and discussed to guide further dialogue and actionable strategies. Additionally, ample time will be reserved for discussion at the end of both speaker sessions, allowing participants to engage deeply with the presented topics. The workshop will conclude with an open panel discussion, focusing on the feasibility of implementing proposed solutions and advancing remote neurorehabilitation.

**Abstract:** The growing gap between scientific evidence supporting high-dosage, high-intensity rehabilitation and the healthcare system's ability to deliver these interventions at scale is a pressing issue. Home-based remote therapy, offering intensive training programs to patients, provides a scalable solution that significantly broadens access to rehabilitation services. Combined with telerehabilitation tools that conserve resources, this approach presents a promising solution to these challenges. However, it remains uncertain whether current technology is advanced enough to fully transition rehabilitation to home settings, and further development may be needed.

To address this gap between recommended stroke rehabilitation practices and what patients currently receive, the International Stroke Rehabilitation and Recovery Alliance (ISRRRA) has identified Home-Based Digital Health Interventions for Neurorehabilitation as a core theme for its upcoming Stroke Recovery and Rehabilitation Roundtables.

This workshop introduces key topics from the roundtable, bringing together clinicians, researchers, and engineers. It serves as a platform to discuss service gaps, explore potential solutions, and gather early insights to shape ISRRRA's broader objectives.

The workshop will feature presentations covering clinical, engineering, and economic aspects of home-based neurorehabilitation, highlighting advancements, ongoing research, and practical considerations for scaling telerehabilitation.

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