



I-RIM 3D Conference — Workshop

# Robotics and Emerging Technologies in Rehabilitation

The Robot as a Tool for Both Assessment and Personalized Intervention

📅 October 17th, 2025 | 📍 Rome — I-RIM 2025

## Program

### Schedule & Sessions

11:00 – 12:30 · Welcome & Presentations

**Welcome & Introduction** — Workshop Organizers

#### Case Reports on Intervention Customization

**Eleonora Guanziroli** — HR Interaction: Integration of biomarkers into Clinical Practice

**Roberta Nossa** — Stepping Forward: Agilix Exoskeleton for Children with Cerebral Palsy in a Multicenter Study

**Lucia Angelini** — Assessment of fine and gross hand dexterity through the transport of fragile objects: The Virtual Egg Test

**Roberto Soldi** — Hemi-inattention: rehabilitation and assessment through the TIAGO robotic platform

#### Technologies for Assessment

**Maura Casadio** — Synergic practice with a body-machine interface: implications for individual and collective motor learning

**Marta Gherardini** — Personalized myokinetic human-machine interface for upper-limb prostheses

**Loredana Zollo** — Next Generation Robots: Robot-aided Rehabilitation and more

#### Closing & Discussion

### Workshop Organizers

12:30 – 13:30 · Poster Session

*Extended abstracts assigned to the session based on thematic affinity.*

## Organization

### Workshop Organizers

- **Marco Caimmi** — CNR (STIIMA)
- **Marco Controzzi** — Scuola Superiore Sant'Anna (SSSA)
- **Davide De Tommaso** — Istituto Italiano di Tecnologia (IIT)
- **Andrea Orlandini** — CNR (ISTC)
- **Christian Tamantini** — CNR (ISTC)



#### About the Workshop

*Exploring the dual role of robotics and intelligent technologies in rehabilitation — as tools for objective assessment and personalized intervention.*

