

## **SCIENTIFIC COMMITTEE**

Mariano Serrao, Roma Alberto Ranavolo, Roma

### **FACULTY**

Arash Ajoudani, Genova
Stefano Filippo Castiglia, Roma
Giorgia Chini, Roma
Younggeoul Cho, Genova
Cristiano De Marchis, Messina
Andrea Fortuna, Genova
Irene Gennarelli, Genova
Yuri Ivanenko, Roma
Francesco Lacquaniti, Roma
Niki Martinel, Udine
Dante Trabassi, Roma
Tiwana Varrecchia, Roma
Ilg Wienfried, Tűbigen (Germania)
Myrka Zago, Roma

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<b>09.00</b> Participant registration	llon
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Opening of the event

Chairman: Mariano Serrao, Alberto Ranavolo

- 09.30 Designing and developing collaborative robots for gait and balance assistance: human-robot interaction, from MOCA to Laborius to WANDER and beyond Arash Ajoudani, Younggeoul Cho
- **19.50** Human-human interaction during walking Yuri Ivanenko, Francesco Lacquaniti
- 10.10 Enhancement of vestibular motion perception for balance rehabilitation

  Myrka Zago, Francesco Lacquaniti
- 10.30 Extrapolated center of mass as metric to assess dynamic balance during walking

  Andrea Fortuna
- 10.50 Gait and balance analysis through wearable devices: kinematic biomarkers and metrics Ilg Wienfried, Stefano Filippo Castiglia
- 11.10 Coffee break

Chairman: Cristiano De Marchis

- **12.00 Computer Vision Approach for motion analysis** Niki Martinel, Irene Gennarelli
- **12.40 Generative AI approach for motion analysis**Dante Trabassi
- 13.20 Indexes and AI algorithms for motor performance assessment in job integration/reintegration programs designed using collaborative robots

  Tiwana Varrecchia, Giorgia Chini

# **GENERAL INFORMATION**

## ROME, 10<sup>TH</sup> MARCH 2025

### REGISTRATION

Reserved and free for the first 50 learners Contact the organizing office at the congressil@pentaeventi.com

## **REGISTRATION INCLUDES**

- · Access to the scientific sessions
- · Conference kit
- · Certificate of attendance
- ECM Certificate for those entitled (downloadable from formazione.pentaeventi.com)

## **CME INFORMATION**

### PROVIDER: PENTA EVENTI SRL

#### **CATEGORIES:**

- · Medical Doctor
- · Medical Radiology Technician
- Physiotherapist
- Neurophysiopathology technician
- · Therapist for Neuro- and Psychomotor Development in Childhood

### **DISCIPLINES FOR MEDICAL DOCTORS:**

- · Physical medicine and rehabilitation
- Neurology
- Orthopaedics and Traumatology
- Radiodiagnostics

#### **CME CERTIFICATE**

CME credits shall be issued subject to:

- Participation in the training event (at least 90% of the scheduled hours)
- · Completion of the questionnaire regarding Perceived Quality
- · Successful learning test (at least 75% correct answers)

The learner can take the CME test within 72 hours after the end of the event; he/she will have only one attempt to pass the test.

Please note that the maximum limit of training credits attributed to the three-year reference period that can be acquired through direct recruitment is 1/3.

## **CERTIFICATE OF PARTICIPATION**

All registered participants are entitled to a certificate of participation.

