

Symposium on

New technologies for rehabilitation

organised by Prof. Robert Riener, ETH Zurich

September 9, 2021

SIAF Volterra, SP del monte Volterrano, 56048 Volterra, Italy

Image source: www.toskanatour.de

Program

- 08:00 Registration opens
- 09:00 Welcome Note by Robert Riener
- 09:05 **Alexander König (Reactive Robotics):**
Bringing robotics into clinical practice: The commercialization of VEMO, the world's first robotic system for ICU therapy
- 09:50 **Emiliano Ricciardi (Scuola Alti Studi Lucca):**
Multivariate approaches in neuroimaging: from supramodal to cognitive and motor representations
- 10:35 Coffee break
- 10:50 **Alessandra Pedrocchi (Politecnico di Milano):**
Neuroprostheses with robotics for neurorehabilitation
- 11:35 **Silvestro Micera (SSSA & École polytechnique fédérale de Lausanne, EPFL):**
Implantable neuroprostheses to restore sensory, motor & autonomic functions
- 12:20 Lunch break
- 13:15 **Arianna Menciassi (Scuola Superiore Sant'Anna, SSSA):**
Robotic solutions for targeted therapy: challenges and opportunities
- 14:00 **Lorenzo Masia (Heidelberg University):**
From rigid to soft robotics: robot-aided rehabilitation and soft wearable exosuits
- 14:45 **Heike Vallery (Delft University of Technology):**
Distilling lessons learned from complex robots into minimalistic solutions
- 15:30 Coffee break
- 16:00 **René Rossi (Swiss Federal Laboratories for Material Testing and Research, EMPA):**
Smart textiles to monitor and support body functions
- 16:45 **Carlo Menon (ETH Zurich):**
Force myography, smart textiles and motor recovery
- 17:30 Closing remarks by Robert Riener

How to join?

If you want to participate, please register **until July 4** by sending an email (including your name & affiliation) to the Sensory-Motor Systems Lab of Prof. Robert Riener, via symposium@ethz.ch. A registration fee of €50 has to be paid on site.

We look forward to welcoming you!

