

# REHAB WEEK 2023

24-28 SEPTEMBER 2023  
SINGAPORE



## **Biography Thierry Keller, PhD**

Thierry Keller received his Dipl. Ing. degree in electrical engineering (M.Sc.E.E.) and his Doctorate (Dr. sc. Techn.) from the ETH Zurich, Switzerland in 1995 and 2001, respectively. Currently, Dr. Keller is the chair of the umbrella society International Consortium for Rehabilitation Technologies (ICRT), which associates IISART, IFESS, ICORR and ICVR societies with the aim to organize joint conferences under the brand Rehabweek. From 2007 to 2023 Dr. Keller was the head of the Neuroengineering Department at Tecnia, the largest private research center in Spain where he directed 23 researchers. Main activities of the Neurorehabilitation Department were research & innovation of novel enabling technologies for rehabilitation robotics, tele-rehabilitation, technologies for physical and cognitive prevention, and FES technologies including neuroprostheses and neurotechnology at large. Dr. Keller is principal investigator in national and international projects and chaired the EU COST action TD1006: European Network on Robotics for Neurorehabilitation. He developed various neuroprostheses that help improve walking and grasp functions in spinal cord injured and stroke subjects. His research interests are in the fields of rehabilitation engineering and robotics, neural prostheses, signal processing, human-machine interaction, and trustworthy AI.

He contributed to more than 60 peer reviewed journal articles, 10 book chapters, and 15 patents related to transcutaneous electrical stimulation and rehabilitation.

Since 2007, Dr. Keller is executive board member of the International Functional Electrical Stimulation Society (IFESS), and since 2011 he is steering member the International Industry Society in Advanced Rehabilitation Technologies (IISART). From 2014-2019 he served as president of the IFESS.