Neurorobotics Consortium

Thursday, December 9, 2021 | 11:00 am – 1:00 pm
ZOOM LINK: https://umn-private.zoom.us/j/2809832633

Special Seminar
Robotics for treating stroke: From neurosurgery to neurorehabilitation to neuroprosthetics

Vitor Mendes Pereira
Director of Endovascular Research and Innovation
St. Michael's Hospital
University of Toronto

Lorenzo Masia
Professor of Medical Technology
Heidelberg University

David Reinkensmeyer
Professor of Mechanical & Aerospace Engineering; Anatomy & Neurobiology
University of California at Irvine

Riki Banerjee
Vice President of R&D Synchron

11:00 am  Endovascular Robotics: Current practice and future perspectives
Dr. Vitor Mendes Pereira, MD

11:25 am  From rigid to soft robotics: robot-aided rehabilitation and soft wearable exosuits
Dr. Lorenzo Masia, PhD

11:50 am  Robot and sensor assisted arm training after stroke: Importance of Sensation, Synergy, Success
Dr. David Reinkensmeyer, PhD

12:15 pm  Endovascular BCI for severe paralysis: First in human experience
Dr. Riki Banerjee, PhD

12:40 pm  Discussion and Zoom Social
Informal meeting with the presenters

https://neurorobotics.umn.edu/