



# THE 1st AALBORG SYMPOSIUM IN ADVANCES IN REHABILITATION ROBOTICS

Come meet people and try robots in rehabilitation - **Everyone is welcome!**

**DATE** MAY 4, 2023

**LOCATION** Selma Lagerløfs Vej 249, 9260 Gistrup, Room 11.00.035



## MAY 4, 2023 PROGRAM

- 9:00 – 9:30 **Registration, Coffee and Bread**
- 9:30 – 9:35 **Introduction**, by Prof. Lotte N. S. Andreasen Struijk, Head of CRERoB
- 9:35 – 9:45 **Welcome Speech**, by Kim Dremstrup, Head of the Department of Health Science and Technology
- 9:45 – 10:10 **“Research in wearable robotics and interfaces at Imperial College London”**, by Prof. Dario Farina (Imperial College London, UK)
- 10:10 – 10:35 **“The use of soft robotics in human rehabilitation and assistance”**, by Prof. Lorenzo Masia (Heidelberg University, Germany)
- 10:35 – 11:00 **“Wearable robotics: from lab to market”**, by Prof. Nicola Vitiello (Scuola Superiore Sant’Anna, Italy)
- 11:00 – 11:20 **Coffee Break**
- 11:20 – 11:35 **“The work of Muskelsvindfonden’s in the field of ALS: Including members with ALS’ need for robotics”**, by Heidi Hoelgård Sunesen (Muskelvindsfonden, Denmark)
- 11:35 – 12:10 **“Rehabilitation Robotics at CRERoB”**, by Prof. Lotte N. S. Andreasen Struijk, Mostafa Mohammadi, Rasmus L. Kæseler, Stefan H. Bengtson, Ana S. Santos Cardoso, and Juwairiya Siraj Khan (AAU, Denmark)
- 12:10 – 12:15 **Best Poster Award**
- 12:15 – 13:00 **Lunch**
- 12:45 – 13:30 **Demos and Poster Viewing**
- 13:30 – 13:55 **“Interfaces for Socially Cooperative Human-Robot-Interaction in stroke rehabilitation”**, by Prof. John Paulin Hansen (DTU, Denmark)
- 13:55 – 14:20 **“Simulation-driven design of exoskeletons”**, by Prof. John Rasmussen (AAU, Denmark)
- 14:20 – 14:40 **“Cerebral Palsy and the potential of rehabilitation robotics in its management”**, by M.D. Christian Wong (Hvidovre Hospital, Denmark)
- 14:40 – 15:00 **“Robot assisted rehabilitation for individuals with spinal cord injury”**, by M.D. Gustav Egevad (Rigshospitalet, Denmark)
- 15:00 – 15:20 **Coffee Break**
- 15:20 – 15:40 **“Experiences of ROBERT® 4 years on the market”**, by CEO Keld Thorsen (Life Science Robotics ApS, Denmark)  
**“Preliminary result of the Intent based electrical stimulation module”**, by Ph.d. student Cindy Rikhof (Roessingh Research and Development, Netherlands)
- 15:40 – 16:00 **“Introducing the PTR Robot in two different patient cases - CP and early mobilization”**, by CEO Lone Jager Lindquist and Clinical Application Specialist Britta Geleijns (PTR Robots, Denmark)
- 16:00 – 16:20 **“Rehabilitation of stroke patients and the application of robotic systems in clinical setups”**, by Physiotherapist Nicki Larsen (NeuroRehab Aalborg, Denmark)
- 16:20 **Closing Remarks**, by Prof. Lotte N. S. Andreasen Struijk

PTR  
ROBOTS

LSR

For more information, contact us at [crerob@hst.aau.dk](mailto:crerob@hst.aau.dk)



Follow us on LinkedIn at  
**Neurorehabilitation Robotics and Engineering**





**THE  
1<sup>st</sup>**

# AALBORG SYMPOSIUM IN ADVANCES IN REHABILITATION ROBOTICS

Ph.D. Course and Scientific Workshop Day - Relevant for all researchers

**DATE** MAY 3-4, 2023

**LOCATION** Selma Lagerlöfs Vej 249, 9260 Gistrup, Rooms 11.00.033 and 11.00.035



CRERoB and the *Doctoral School in Medicine, Biomedical Science and Technology* are offering this **Ph.D. course** on May 3-4, which will award students with 1 ECTS. Other researchers are also welcome to participate.

## MAY 3, 2023 PROGRAM

- 9:15 – 9:25 **Registration**
- 9:25 – 9:30 **Introduction**, by Prof. Lotte N. S. Andreasen Struijk, Head of CRERoB
- 9:30 – 11:00 **“Interfacing humans with assistive technologies”**, by Prof. **Dario Farina** (*Imperial College London, UK*)  
**“Symbiotically controlling exosuits for whole body human assistance and augmentation”**, by Prof. **Lorenzo Masia** (*Heidelberg University, Germany*)  
**“Robotic exoskeletons at The BioRobotics Institute Scuola Superiore Sant’Anna”**, by Prof. **Nicola Vitiello** (*Scuola Superiore Sant’Anna, Italy*)
- 11:00 – 11:15 **Coffee Break**
- 11:15 – 12:15 **“Telepresence and teleworking: New possibilities for people during rehabilitation”**, by Prof. **John Paulin Hansen** (*DTU, Denmark*)  
**“Tongue based interfacing for robotic control”**, by Prof. **Lotte N. S. Andreasen Struijk** (*AAU, Denmark*)
- 12:15 – 13:15 **Lunch**
- 13:15 – 14:30 **Poster Pitches**
- 14:30 – 15:30 **Coffee Break and Poster Viewing**

For more information, contact us at [crerob@hst.aau.dk](mailto:crerob@hst.aau.dk)

We look forward to seeing you.

Lotte N. S. Andreasen Struijk, Head of Center for Rehabilitation Robotics



Follow us on LinkedIn at **Neurorehabilitation Robotics and Engineering**

