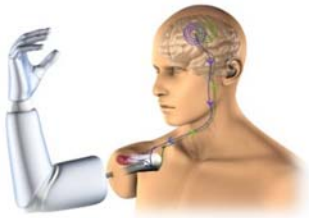
2nd Symposium on

Bionic Limbs & Neurorehabilitation



Biomechatronics and Neurorehabilitation Laboratory, Department of Signals and Systems, Chalmers University of Technology.

Friday 17th, June 2016,
13:00 to 16:30 hrs.
Room **EB** (besides EA), floor 4, Hörsalsvägen 11,
Chalmers University of Technology

13:00 – 13:15	Max Ortiz Catalan, Ph.D., "Introduction: Bionic Limbs and Neurorehabilitation of Pain". *Assist. Prof., Chalmers University of Technology, Sweden.*
13:15 – 13:20	Marta Björnsdottir, M.Sc., "Integrum, Improving quality of life". *Research and Development Engineer, Integrum AB, Sweden.*
13:20 – 13:30	Yan Li, M.D., Ph.D., "Centre for the Advanced Reconstruction of Extremities (C.A.R.E.)". *Specialist in Orthopaedics, Sahlgrenska University Hospital, Sweden.*
13:30 – 13:40	Karl-Johan Fredén Jansson, "Audiometric vibrotactile thresholds on deaf patients". *Ph.D. candidate, Chalmers University of Technology and Integrum AB, Sweden.*
13:40 – 13:50	Enzo Mastinu, "An Embedded Artificial Limb Controller". *Ph.D. candidate, Chalmers University of Technology and Integrum AB, Sweden.*
13:50 – 14:00	Johan Ahlberg, "Myoelectric pattern recognition for prosthetic control in real-life use". *M.Sc. thesis in Biomedical Engineering, Royal Institute of Technology (KTH), Sweden.*

COFFEE BREAK

14:10 – 14:30	Christian Antfolk, Ph.D., "Sensory feedback and control of prosthetics at Lund Univ." *Researcher, Lund University, Sweden.*
14:30 – 14:40	S. Ludvigsson and E. Öhr, "Modelling mechanical stress in osseointegrated prostheses". *M.Sc. thesis in Biomedical Engineering, Lund University, Sweden.*

14:40 – 14:50 Jasmin Bentler, "Automating the verification of the ALC".
M.Sc. thesis in Complex Adaptive Systems, Chalmers University of Technology.

14:50 – 15:00 Högna Hringsdóttir, "Towards an instrumented safety device for osseointegrated prostheses".
M.Sc. thesis in Biomedical Engineering, Chalmers University of Technology, Sweden.

15:00 – 15:10 Jason Millenaar, "Enabling wrist rotation in transradial amputees with osseointegration".
M.Sc. thesis in Biomedical Engineering, Delft University of Technology, Netherlands.

COFFEE BREAK

15:20 – 15:30 Eva Lendaro, "Prediction of motor volition in the lower limbs".
M.Sc. thesis in Biomedical Engineering, Chalmers University of Technology, Sweden.

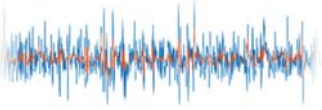
15:30 – 15:40 Cedric Lengeling, "Augmented Reality via a Head-Mounted Display".
M.Sc. thesis in Software Engineering, Chalmers University of Technology, Sweden.

15:40 – 15:50 Shannon Brown, "Textile electrodes for acquisition of myoelectric signals".
School of Caring Science, Work Life and Social Welfare, University of Borås, Sweden.

15:50 – 16:00 Niclas Nilsson, "Myoelectric feature selection for pattern recognition".
M.Sc. thesis in Biomedical Engineering, Chalmers University of Technology, Sweden.

16:00 – 16:10 Julian Maier, " Wavelet Transform-based Algorithms for Myoelectric Control".
M.Sc. thesis in Medical Engineering, University of Stuttgart, Germany.

16:10 – 16:20 Fernando Seoane, "Novel applications enabled by combining smart textiles and EMG recordings".
Assoc. Professor, Royal Institute of Technology, Sweden.



16:20 – 17:00 Mingling