

The Faculty of Computer Science at the University of Vienna cordially invites you to the

Colloquium

Towards restoration of hand and arm function in high spinal cord injury: a non-invasive BCI approach

with **Univ.-Prof. Dr. Gernot Mueller-Putz**

Institute of Neural Engineering, Graz University of Technology

When? 1st of July, from 5:00 pm

Where? Seminar room 6 (SR 6), 1st floor, Faculty of Computer Science
Währinger Straße 29
A-1090 Vienna

Abstract

Brain-Computer Interfaces are systems to provide a means for control or communication for people with severe motor disabilities. In this talk, non-invasive BCIs for the control of motor neuroprosthesis for the restoration of the hand function in high spinal cord injury will be discussed. After a brief intro and historical review, mainly the results from the EU H2020 project MoreGrasp will be presented. Furthermore, I present first results of the ERC Consolidator Grant Feel Your Reach on how to get control of a robotic arm. Basic studies applied in healthy are the main work here. An outlook will summarize the talk.