

Winter meeting NVKNF 2019 November 22 – Machine learning in Clinical Neurophysiology

Keynote lecture (20 minutes presentation, followed by 10 minutes discussion)

14.30 Dr Christin Seifert, University of Twente “(Deep) learning for the uninitiated”

Datablitzes (10 minutes each, followed by 5 minutes discussion)

15.00 Michel van Putten (TU Twente): deep learning on EEG data to identify gender differences.

15.15 Victor Geraedts (LUMC): a fully automated machine learning pipeline on EEG data predicts cognitive function of PD patients

15.30 Marjolein Admiraal (AMC): Quantitative analysis of EEG reactivity for prognostication after cardiac arrest

15.45 Christian Herff (MUMC): machine learning on intracranial signals to decode speech processes from neural activity

16.00 Catarina Lourenço (TU Twente): Deep learning for the detection of interictal epileptiform EEG abnormalities

16.15 Erik Gommer (MUMC): Machine learning for seizure detection in ICU patients

16.30 Juerd Wijntjes (RadboudUMC) AI for the analysis of muscle ultrasound data

16.45 Camiel Verhamme (AMC): Machine learning in (electro)diagnosis and prognosis of acquired inflammatory neuropathies

17.00 Annabel Rüter (LUMC): The face of neuromuscular dysfunction: deep learning of video data to diagnose myasthenia gravis

17.15 End