

## SPEAKERS



**OLIVER KAUT, MD, PHD**  
Rehabilitation Center  
Bad Wimpfen

Oliver Kaut is the CEO of Rehabilitation Center in Bad Wimpfen and Head of the neurology department. His research focuses on the clinical application of rTMS in the treatment of Parkinson's disease and spinocerebellar ataxia.



**MARTIN TIK, PHD**  
Medical University of Vienna

Martin Tik is a group leader at the Center for Medical Physics and Biomedical Engineering and has studied neural circuits that are involved in affective disorders, especially depression, using an interleaved TMS-fMRI framework.



**FENNE SMITS, PHD**  
UMC Utrecht

Fenne Smits works at the Brain Research and Innovation Centre of the Ministry of Defence. She investigates the effects of tDCS and tACS on psychotrauma-related complaints in military personnel and cognitive-control in healthy participants.

**7-8 DECEMBER 2023**

Hotel Mitland  
Ariënslaan 1, 3573PT Utrecht  
The Netherlands

[WWW.TMSCOURSES.NL](http://WWW.TMSCOURSES.NL)



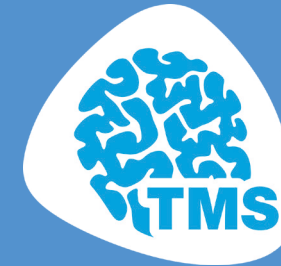
**BRAIN  
SCIENCE  
TOOLS**



**Neurosoft**



## COURSE PROGRAM



**COURSE**

**FOR CLINICIANS & RESEARCHERS**

**7-8 DECEMBER  
2023**

## ABOUT THE COURSE

We are pleased to invite you to join our annual two-day TMS & tDCS course in Utrecht, the Netherlands. It is intended for clinicians who want to apply TMS or tDCS in everyday practice as well as for researchers working in academic hospitals and research laboratories. Our training program includes lectures, workshops and intensive and practical 'hands-on' sessions on diverse topics with the use of devices for TMS, tDCS, EMG and neuronavigation. The course is hosted by dr. Bas Neggers, Associate Professor at the UMC Utrecht and CEO of Brain Science Tools.

## REGISTRATION

For more information visit our course website at:

**WWW.TMSCOURSES.NL**

The course is organized by Brain Science Tools, a University Medical Center Utrecht spin off company, in collaboration with Soterix Medical & Neurosoft

## DAY 1

Clinical use of navigated TMS & EMG

### 09.00 WELCOME & COFFEE

09.15 Introduction to TMS & neuronavigation by Bas Neggers

10.15 Understanding rTMS depression treatment with TMS-fMRI by Martin Tik

### 11.15 COFFEE BREAK

11.30 TMS-fMRI developments by Petar Petrov

12.00 Panel Discussion, Q&A (all topics)

### 12.30 LUNCH BREAK

13.30 TMS treatment of psychiatric disorders - practical

14.30 Advanced (f)MRI guidance by Bas Neggers

### 15.00 COFFEE BREAK

15.15 MRI-guided neuronavigation - Practical by Robin Kusters

16.15 Introduction to navigated TMS motor mapping by Jord Vink

16.45 TMS motor mapping - Practical by Robin Kusters

17.15 Day 1 wrap up

### 18.30 DINNER

## DAY 2 - MORNING

Clinical rTMS and TMS & EMG

09.00 rTMS treatment for neurological disorders by Oliver Kaut

10.00 TMS treatment for upper limb recovery after stroke by Jord Vink

### 10.30 COFFEE BREAK

10.45 TMS outcome measures by Anna Maslyukova

11.15 TMS outcome measures - Practical

12.00 Biophysics of TMS: What is happening in the brain? by Bas Neggers

### 12.30 LUNCH BREAK

## DAY 2 - AFTERNOON

tDCS workshop by Soterix Medical

13.30 Introduction to tDCS by Fenne Smits

14.30 tDCS - practical

### 15.30 COFFEE BREAK

15.45 tDCS applications by Kamran Nazim

16.45 Continued practicals (all topics)

18.00 Day 2 wrap up