

Invitation

It is a great pleasure for us to invite you to the **Teaching Course "From research to clinical practice: Transcranial Magnetic and Electrical Stimulation"** within the framework of the training program of the IFCN- EMEAC. The course is aimed at introducing the theoretical background and practical applications of transcranial magnetic and electrical stimulation to researchers and clinicians. Every effort will be taken to cover the broad spectrum of areas involved in non-invasive brain stimulation from modeling to clinical trials and to highlight recent developments in the field. Lectures will be presented by world-renowned scientists and medical doctors, followed by practical exercises to emphasize the technical and theoretical backgrounds. The course will be held in English. We are looking forward to meeting you in Göttingen.

A. Antal & D. Czesnik

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AND

Center for Neurological and Psychiatric
Disorders

UMG 37073 Göttingen

Registration

You can find the registration form on our website: <https://ifcn.site-ym.com/blogpost/1836690/Europe-Middle-East-and-Africa>.

The registration fee is 350€ for students, 500€ for residents, and 700€ for consultants. Participants from low-income countries could receive a 100€ discount by request. Between the talks, refreshments will be supplied. Lunch will be provided to all participants. The maximum number of participants is 35.

Travel Information

Göttingen is easily accessible by train or by car using the Autobahn A7. The closest airports are in Hannover and Frankfurt am Main.

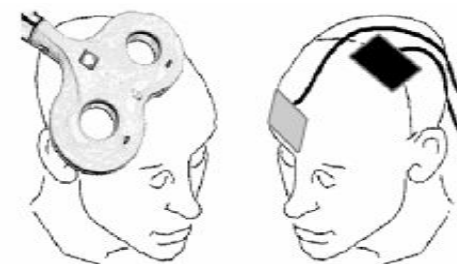
Accommodation

Please note that any accommodation requirements will have to be self-arranged.

IFCN – EMEAC

**From research to clinical
practice: Transcranial Magnetic
and Electrical Stimulation**

March 06 - 08, 2025



Venue

**Center for Neurological and Psychiatric
Disorders**
Bürgerstrasse 48
37073 Göttingen
Germany

Program of the Teaching Course in "Transcranial Magnetic and Electrical Stimulation"

Thursday, 06 March 2025		Friday, March 07, 2025		Saturday, March 08, 2025	
9:00	225 Years of Quantitative Transcranial Stimulation <i>W. Paulus</i>	9:00	Clinical applications in the neurology: TMS and rTMS <i>C. Grefkes-Hermann</i>	9:00	Neurorehabilitation <i>F. Klinker</i>
9:30	Physiological Background of TMS & Repetitive TMS <i>W. Paulus</i>	10:00	Clinical applications: tES <i>A. Antal</i>	9:45	NIBS and pain relief <i>P. Ramasawmy</i>
10:15	Coffee Break	10:45	Coffee Break	10:30	Coffee Break
10:45	Physiological Background of tDCS <i>A. Antal</i>	11:15	Combination of pharmacology with TMS-EMG and TMS-EEG measurements <i>U. Ziemann</i>	11:00	Treatment of psychiatric conditions with rTMS <i>C. Timäus</i>
11:30	Physiological Background of tACS & tRNS <i>L. Diedrich</i>	12:15	How to measure therapeutic effects using clinical neurophysiological and digital assessments <i>D. Czesnik</i>	12:00	Regulatory and ethical aspects of NIBS <i>A. Antal</i>
12:00	Lunch	13:00	Lunch	12:30	Lunch
13:00	Electrical Field Modelling <i>L. Diedrich</i>	14:30	New diagnostic and staging criteria in Alzheimer's disease <i>A. Kamondi</i>	13:30	Group discussions, Closing remarks
13:30	Paired pulse protocols, conventional methods, threshold tracking <i>H. Tankisi</i>	15:30	Coffee Break		
14:15	Coffee Break				
15:00	Practical Exercises I – III (till 18:00) (Please see the Registration Form and the Schedule for Practical Exercises)	16:00	Practical exercises IV-V (Please see the registration form)		
18:30	Get together, dinner	18:00	Advanced Technologies: temporal interference stimulation, Monitoring heart-brain interaction, etc.		