

Dear Participants,

It is a great pleasure for us to invite you to the **17th Practical Course in "Transcranial magnetic and electrical stimulation"** within the framework of the training program of the German Neuroscience Society (NWG).

The course is aimed at introducing the theoretical background and practical applications of transcranial magnetic and electrical stimulation to young researchers from all fields of neuroscience. Every effort will be taken to cover the broad spectrum of areas involved in non-invasive brain stimulation, from modelling to clinical trials, and to highlight recent developments in the field. Lectures will be presented by world renowned scientists, followed by practical exercises in order to emphasize the technical and theoretical backgrounds. The conference will be held in English.

We are looking forward to meeting you in Göttingen,
A. Antal & W. Paulus

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Registration

You can find the registration form on our department website:

www.neurologie.uni-goettingen.de.

Participation for NWG members is free of charge. The registration fee for non-members is 420€ and for students 200€. Between the seminars, refreshments will be supplied. Lunch will be provided to all participants.



Travel Information

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

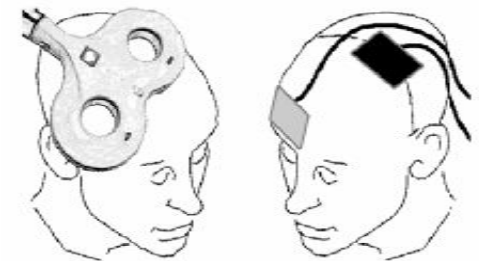
Accommodation

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

NWG Practical Course

Transcranial Magnetic and Electrical Stimulation

February 11 - 13, 2020



Venue

University Medical Center
Robert-Koch-Straße 40
Lecture Hall 55
37075 Göttingen
Germany

Program of the 17th Practical Course in "Transcranial Magnetic and Electrical Stimulation"

| Tuesday, February 11, 2020 | | Wednesday, February 12, 2020 | | Thursday, February 13, 2020 | |
|----------------------------|---|------------------------------|---|-----------------------------|---|
| 9:00 | Welcome Note: 200 Years of Quantitative Transcranial Stimulation <i>W. Paulus</i> | 9:00 | Brain stimulation elucidates the neural organization of human speech and language <i>N. Neef</i> | 9:00 | Ethical and Legal Aspects of Transcranial Stimulation <i>J. Brockmöller</i> |
| 10:00 | Physiological Background of tDCS <i>MA. Nitsche, Leibniz Research Centre, Dortmund, Germany</i> | 9:45 | TI paradigm:Non-invasive deep brain stimulation <i>N. Grossmann, Imperial College London, UK</i> | 9:45 | Therapeutic Indications of tES and rTMS in Psychiatry <i>C. Baeken, Univ. Gent, Dept of Psychiatry and Medical Psychology and Univ. of Brussels, Dept of Psychiatry ,Belgium</i> |
| 11:00 | Coffee Break | 10:45 | Coffee Break | 10:45 | Coffee Break |
| 11:15 | Introduction to TMS and rTMS <i>M. Sommer</i> | 11:00 | Computational Modeling of Transcranial Magnetic Brain Stimulation <i>J. Triesch, Frankfurt Inst. for Advanced Studies, Germany</i> | 11:15 | Therapeutic Indications of rTMS in Neurology <i>C. Stephani</i> |
| 12:00 | Introduction to tACS & tRNS <i>A. Antal</i> | 12:00 | Neuronavigation using TMS <i>R. Goya-Maldonado</i> | 12:15 | Summary, End of the Course |
| 12:30 | Lunch | 13:00 | Lunch | 12:30 | Lunch |
| 13:30 | Electrical Field Modelling <i>C. Wolters, University of Münster, Germany</i> | 14:00 | Practical Exercises III – VI (Please see the Registration Form and the Schedule for Practical Exercises) | | |
| 14:30 | Combining Transcranial Stimulation with fMRI <i>P. Dechent</i> | | | | |
| 15:30 | Coffee Break | | | | |
| 16:00 | Practical Exercises I – II (Please see the Registration Form and the Schedule for Practical Exercises) | | | | |
| 18:00 | Advanced Technologies NeuroCare, Neuroelectronics, ANTT | 18:00 | Advanced Technologies NeuroCare, Neuroelectronics, ANT | | |