

## Registration

You can find the registration form on our department website: <http://www.neurologie.uni-goettingen.de/fortbildung.html>. Participation for NWG members is free of charge. The registration fee for non-members is 400€ (for students 200€). Between the seminars, refreshments will be supplied. Lunch will be provided to all participants.



## Travel Information

Göttingen is easily accessible with ICE train networks or using the A7 Autobahn (highway).

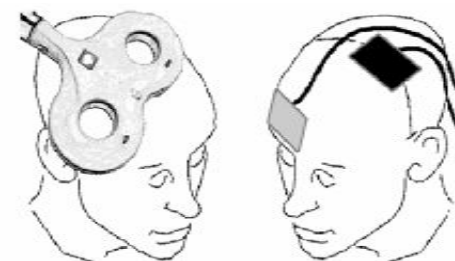
## Accommodation

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

## NWG Practical Course

### Transcranial Magnetic and Electrical Stimulation (TMS/tDCS/tACS/tRNS)

February 20 - 22, 2017



## Venue

Universitätsmedizin Göttingen  
Robert-Koch-Strasse 40  
Lecture Hall 4  
37075 Göttingen  
Germany

## Dear Participants,

It is a great pleasure for us to invite you to the **14<sup>th</sup> 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 animal experiments 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

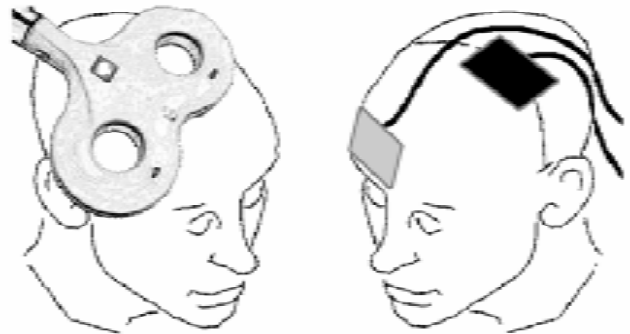
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**Program of the 14<sup>th</sup> Practical Course in "Transcranial magnetic and electrical stimulation"**

Monday, February 20, 2017		Tuesday, February 21, 2017		Wednesday, February 22, 2017	
9:00	Welcome Note <i>W. Paulus (Lecture Hall 4)</i>	9:00	What Can We Learn from Electrical Stimulation of Peripheral Nerves? <i>D. Czesnik (Lecture Hall 4)</i>	9:00	Ethical and Legal Aspects of Transcranial Brain Stimulation <i>J. Brockmöller (Lecture Hall 4)</i>
9:15	Physiological Background of tDCS <i>W. Paulus (Lecture Hall 4)</i>	9:30	Contribution of Animal Models to Research on Electrical Brain Stimulation <i>B. Fritsch (Lecture Hall 4)</i>	9:45	Therapeutic Indications of tES <i>A. Antal (Lecture Hall 4)</i>
10:00	Coffee Break	10:15	Coffee Break	10:30	Coffee Break
10:25	Physiological Background of tACS & tRNS <i>I. Alekseichuk (Lecture Hall 4)</i>	10:45	Behavioral Effects of tDCS/tRNS <i>J. Reis (Lecture Hall 4)</i>	10:45	Therapeutic Indications of rTMS <i>M. Sommer (Lecture Hall 4)</i>
11:15	Physiological Background of TMS & rTMS <i>Y. Shirota (Lecture Hall 4)</i>	11:30	Electrical Field Modelling <i>C. Wolters (Lecture Hall 4)</i>	11:30	Brain Stimulation and Speech Disorders <i>I. Rubi-Fessen (Lecture Hall 4)</i>
12:00	Lunch	12:30	Lunch	12:15	Concluding Remarks <i>A. Antal (Lecture Hall 4)</i>
13:00	Combining Stimulation with fMRI <i>P. Dechent (Lecture Hall 4)</i>	14:00	Practical Exercises IV – VI (till 17:00) (Please see the Registration Form and the Schedule for Practical Exercises)	12:30	Lunch & End of the Course
13:45	Combining Transcranial Brain Stimulation with Electrophysiology <i>T.O. Bergmann (Lecture Hall 4)</i>				
14:45	Coffee Break				
15:00	Practical Exercises I – III (till 18:00) (Please see the Registration Form and the Schedule for Practical Exercises)				
19:00	Guided Tour in Göttingen				

**NWG Practical Course  
Transcranial Magnetic and  
Electrical Stimulation  
February 20 - 22, 2017**



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University Medical Center  
Department of Clinical Neurophysiology  
Robert-Koch-Straße 40  
Lecture Hall 4  
37075 Göttingen

**FAX: +49 551 398126**

or

**E-mail: [aantal@gwdg.de](mailto:aantal@gwdg.de)**

Yes, I would like to participate in the course and I am interested in the following practical exercises: (please choose max. 5 exercises)

- Basic applications of TMS
- Basic applications of tDCS/tACS
- Peripheral nerve stimulation
- Pitfalls in the applications of tES
- Advance TMS in research
- tDCS/tACS and fMRI in research

Registration fee: 400 € (students: 200 €); Recipient: UMG; Name of the bank: Sparkasse Göttingen; Swift / BIC: NOLADE21GOE; IBAN: DE55260500010000000448; Ref: 1601510/NWG / your name  
Please transfer the registration fee until the 1<sup>th</sup> of February, 2017.

Do you have an experience with tDCS/TMS?  Yes

No

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Name

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Address

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E-mail