UMG

Neurowissenschaftliche Gesellschaft

Dear Participants,

It is a great pleasure for us to invite you to the ***16th 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.

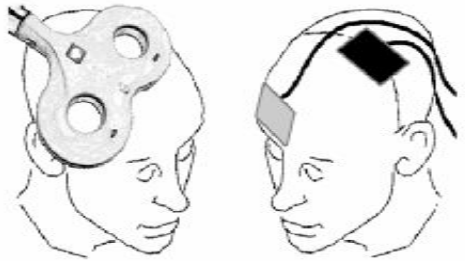
Accommodation

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

NWG Practical Course

Transcranial Magnetic and Electrical Stimulation

February 12 - 14, 2019



Venue

University Medical Center
Robert-Koch-Straße 40
Lecture Hall 04
37075 Göttingen
Germany

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Program of the *16th Practical Course in "Transcranial Magnetic and Electrical Stimulation"*

	Tuesday, February 12, 2019		Wednesday, February 13, 2019		Thursday, February 14, 2019
9:00	Welcome Note: 200 Years of Quantitative Transcranial Stimulation *W. Paulus*	9:00	The Effects of Transcranial Stimulation on Cognition and Learning *Z. Turi*	9:00	Ethical and Legal Aspects of Transcranial Stimulation *J. Brockmöller*
9:45	Physiological Background of TMS & Repetitive TMS *M. Sommer*	9:45	Exploring the Mechanisms and Potential Applications of Transcranial Stimulation *M. Larkum, Humboldt University Berlin*	9:45	Transcranial Alternating Current: Physiological and Cognitive Experiments *C. Herrmann, Carl von Ossietzky University, Oldenburg*
10:45	Coffee Break	10:45	Coffee Break	10:45	Coffee Break
11:00	Physiological Background of tDCS *MA. Nitsche, Leibniz Research Centre, Dortmund, Germany*	11:00	Exploring the Remarkable Specificity of TMS Effects in Human Somatomotor Cortex *J. Rothwell, UCL Institute of Neurology*	11:15	Therapeutic Indications of tES and rTMS in Psychiatry *A. Hasan, Ludwig Maximilian University Munich*
12:00	Introduction to tACS & tRNS *A. Antal*	12:00	Combining Transcranial Stimulation with fMRI *P. Dechent*	12:15	Therapeutic Indications of rTMS in Neurology *C. Stephani*
12:30	Lunch	13:00	Lunch	13:15	Lunch
13:30	Electrical Field Modelling *C. Wolters, University of Münster*	14:00	Neuronavigation using TMS *R. Goya-Maldonado*	14:00	End of the Course
14:30	Animal TMS Studies *K. Funke, Ruhr-Universität Bochum*	15:00	Practical Exercises III – VI (Please see the Registration Form and the Schedule for Practical Exercises)		
15:30	Coffee Break				
16:00	Practical Exercises I – II (Please see the Registration Form and the Schedule for Practical Exercises)				
18:30	Get Together and Posters in Front of the Lecture Hall	18:00	Advanced Technologies NeuroCare, Neuroelectrics, Localite		