



7 September 2016

- 17:00–19:30 [Congress opening](#)
Room Aula at Wilhelmsplatz
- 17:00–17:15 Welcome Conference Chair
Walter Paulus (Göttingen/DE)
- 17:15–17:30 Welcome by the Dean of the University Medical Center Göttingen
Heyo Kroemer (Göttingen/DE)
- 17:30–18:00 Physiology of transcranial stimulation
John C. Rothwell (London/GB)
- 18:00–18:30 Transcranial stimulation in psychiatry
Mark S. George (Charleston, SC/US)
- 18:30–19:00 How to convince a faculty to investigate in transcranial stimulation: a researchers and dean's perspective
Alvaro Pascual-Leone (Boston, MA/US)
- 19:00–19:30 Transcranial stimulation – past present future
Mark Hallett (Bethesda, MD/US)
- 19:30–21:00 [Welcome Reception](#)
Room Alte Mensa



8 September 2016

- 08:30–10:15 [What is being stimulated?](#)
Room Plenary Hall
Chairs Alvaro Pascual-Leone (Boston, MA/US), Walter Paulus (Göttingen/DE)
- 08:30–08:35 Welcome Address
Walter Paulus (Göttingen/DE)
- 08:35–09:00 I-waves: Linked neural chains or resonant membrane properties
Ulf Ziemann (Tübingen/DE)
- 09:00–09:25 How TDCS polarises a highly folded cortex
Marom Bikson (New York, NY/US)
- 09:25–09:50 Stimulation outside of motor cortex
Carlo Miniussi (Brescia/IT)
- 09:50–10:15 Animal models of brain stimulation
Klaus Funke (Bochum/DE)
- 11:00–12:30 [Assessing brain connectivity with brain stimulation techniques](#)
Room Plenary Hall
Chairs Paolo M. Rossini (Rome/IT), Mark Hallett (Bethesda, MD/US)
- 11:00–11:20 The Role of Neuroimaging in Brain Stimulation
Antonio Strafella (Toronto/CA)
- 11:20–11:40 Basal ganglia – cortex interaction
Robert Chen (Toronto/CA)
- 11:40–12:00 Cerebellum – cortex interaction
Pablo Celnik (Baltimore, MD/US)
- 12:00–12:20 Network effects in aging
Paolo M. Rossini (Rome/IT)
- 12:20–12:30 Discussion



6th International Conference on Transcranial Brain Stimulation

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- 14:00–15:20 **Modelling and Biophysics**
Room Plenary Hall
Chairs Angel Peterchev (Durham, NC/US), Marom Bikson (New York, NY/US)
- 14:00–14:20 Cellular effects of transcranial DC and AC electric stimulation
Lucas Parra (New York, NY/US)
- 14:20–14:40 TBA
Davide Reato (New York, NY/US)
- 14:40–15:00 TBA
Angel Peterchev (Durham, NC/US)
- 15:00–15:20 Transcranial static magnetic field stimulation of the human motor cortex: a short walk
on the mechanistic side
Antonio Oliviero (Toledo/ES)
- 14:00–15:20 **Therapy Neurology**
Room Hall 2
Chairs Friedhelm Hummel (Hamburg/DE), Alfons Schnitzler (Düsseldorf/DE)
- 14:00–14:20 TBA
Friedhelm Hummel (Hamburg/DE)
- 14:20–14:40 Transcranial brain stimulation in post stroke dysphagia
Eman M. Khedr (Assiut/EG)
- 14:40–15:00 NBS strategies in stroke rehabilitation
Yun-Hee Kim (Seoul/KR)
- 15:00–15:20 TBA
David Benninger (Lausanne/CH)
- 15:20–15:50 **Modelling and Biophysics**
Room Plenary Hall
Chairs Gesa Hartwigsen (Leipzig/DE), Surjo Soekadar (Tübingen/DE)
- 15:20–15:50 **Therapy Neurology**
Room Hall 2
Chairs Paola Marangolo (Rome/IT), Marcus Meinzer (Herston/AU)



- 16:30–17:50 **Modelling and Biophysics**
Room Plenary Hall
Chairs Axel Thielscher (Hvidovre/DK), Risto Ilmoniemi (Helsinki/FI)
- 16:30–16:50 New concepts in the design of coils and TMS pulse sequences
Risto Ilmoniemi (Helsinki/FI)
- 16:50–17:10 TBA
Pedro Cavaleiro Miranda (Lisabon/PT)
- 17:10–17:30 New methods for electrode optimization in high-definition transcranial current stimulation
Carsten Wolters (Münster/DE)
- 17:30–17:50 Intracranial electric field measurements during TES in human and non-human primates. What can we learn for accurately modelling TES?
Alexander Opitz (Göttingen/DE)
- 16:30–18:20 **Therapy Neurology**
Room Hall 2
Chairs Christian Gerloff (Hamburg/DE), Jean-Pascal Lefaucheur (Créteil/FR)
- 16:30–16:50 Transcranial stimulation in the treatment of pain
Luis Garcia-Larrea (Lyon/FR)
- 16:50–17:10 Transcranial stimulation in the treatment of tinnitus
Berthold Langguth (Regensburg/DE)
- 17:10–17:30 Transcranial stimulation in the treatment of stroke
Gottfried Schlaug (Boston, MA/US)
- 17:30–17:50 Generating evidence: On the validity of metaanalyses of transcranial stimulation trials
Roy Hamilton (Philadelphia, PA/US)
- 17:50–18:20 Summary
Jean-Pascal Lefaucheur (Créteil/FR)
- 17:50–18:20 **Modelling and Biophysics**
Room Plenary Hall
Chairs Andreas Neef (Göttingen/DE), N. N.



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- 08:30–10:15 [Interaction with ongoing brain activity: cognition](#)
Room Plenary Hall
Chairs Christoph Herrmann (Oldenburg/DE), Gregor Thut (Glasgow/GB)
- 08:30–08:50 Highlights of the Thursday afternoon sessions by their chairs
- 08:50–09:12 Feedback control of stimulus timing
Hartwig Siebner (Hvidovre/DK)
- 09:12–09:34 Interaction of tACS with ongoing brain rhythms
Christoph Herrmann (Oldenburg/DE)
- 09:34–09:56 Interaction of TMS with oscillatory activity
Gregor Thut (Glasgow/GB)
- 09:56–10:15 Ethics and brain stimulation
J. Brockmöller (Göttingen/DE)
- 11:00–12:30 [Computational Neurostimulation](#)
Room Plenary Hall
Chairs John C. Rothwell, Sven Bestmann (London/GB)
- 11:00–11:20 How could models help to enhance the specificity of cognitive stimulation effects?
Juha Silvanto (London/GB)
- 11:20–11:40 Using network models to understand the impact of tES on behaviour
Sven Bestmann (London/GB)
- 11:40–12:00 Using computational models to capture the effects of tDCS on neural activity and
behaviour
Biyu Jade He (Washington D. C./US)
- 12:00–12:20 Plasticity, networks and TMS
Ido Kanter (Ramat Gan/IL)
- 12:20–12:30 Discussion
- 14:00–15:20 [TMS: what is stimulated? M1](#)
Room Plenary Hall
Chairs Yoshikazu Ugawa (Fukushima/JP), David Liebetanz (Göttingen/DE)
- 14:00–14:20 TMS activates and modulates multiple cortical circuits
Vincenzo Di Lazzaro (Rome/IT)



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- 14:20–14:40 Network modeling of M1 stimulation
Peter Fox (San Antonio, TX/US)
- 14:40–15:00 TBA
Martin Sommer (Göttingen/DE)
- 15:00–15:20 Where do we stimulate M1? A combined neurophysiological and modelling approach
Axel Thielscher (Hvidovre/DK)
- 14:00–15:20 **Cognitive and multimodal stimulation**
Room Hall 2
Chairs Carlo Miniussi (Brescia/IT), Alexander T. Sack (Maastricht/NL)
- 14:00–14:20 TMS effects at the systems level: new insights from neuroimaging.
Christian Grefkes (Cologne/DE)
- 14:20–14:40 TBA
Alexander Sack (Maastricht/NL)
- 14:40–15:00 Cognitive processes of motor behavior revealed by tDCS
Nadia Bolognini (Milan/IT)
- 15:00–15:20 tDCS-enhanced learning in aging and neurodegenerative disease
Agnes Floel (Berlin/DE)
- 15:20–15:50 **TMS: what is stimulated? M1**
Room Plenary Hall
Chairs Antonio Suppa (Rome/IT), Yuichiro Shirota (Göttingen/DE)
- 15:20–15:50 **Cognitive and multimodal stimulation**
Room Hall 2
Chairs Rafael Polania (Zurich/CH), Min-Fang Kuo (Dortmund/DE)
- 16:30–17:50 **TMS: What is stimulated? Beyond M1**
Room Plenary Hall
Chairs Hartwig Siebner (Hvidovre/DK), Klaus Funke (Bochum/DE)
- 16:30–16:50 Hebbian plasticity in the parieto-frontal network
Giacomo Koch (Rome/IT)
- 16:50–17:10 TMS to cerebellum what is stimulated?
Sabine Meunier (Paris/FR)



- 17:10–17:30 Spinal cord stimulation
Dirk De Ridder (Dunedin/NZ)
- 17:30–17:50 To what extent can motor cortex stimulation results be generalised to other cortical areas?
Walter Paulus (Göttingen/DE)
- 16:30–17:50 **tDCS/tACS: what is stimulated?**
Room Hall 2
Chairs Michael Nitsche (Göttingen/DE), Alberto Priori (Milan/IT)
- 16:30–16:50 Targeting the biased brain. Non-invasive brain stimulation to ameliorate cognitive control
Christian Plewina (Tübingen/DE)
- 16:50–17:10 Combining tDCS with MR - novel insights into the mechanisms underlying plasticity in humans
Charlotte Stagg (Oxford/GB)
- 17:10–17:30 tDCS: beyond neuronal excitability changes
Alberto Priori (Milan/IT)
- 17:30–17:50 ACS treatment for brain network reorganization and vision restoration
Bernhard A. Sabel (Magdeburg/DE)
- 17:50–18:20 **TMS: What is stimulated? Beyond M1**
Room Plenary Hall
Chairs Lukas J. Volz (Santa Barbara, CA/US), Zaira Cattaneo (Milan/IT)
- 17:50–18:20 **tDCS/tACS: what is stimulated?**
Room Hall 2
Chairs Zsolt Turi (Göttingen/DE), Dennis Schutter (Nijmegen/NL)
- 19:30–00:00 **Social evening**
Room Civic Hall



10 September 2016

- 08:30–10:30 **Plasticity: real or imaginary?**
Room Plenary Hall
Chairs Joseph Classen (Leipzig/DE), Ulf Ziemann (Tübingen/DE)
- 08:30–09:00 Highlights of the Friday afternoon sessions by their chairs
- 09:00–09:22 Complexity in the after-effects of tDCS
Michael Nitsche (Göttingen/DE)
- 09:22–09:44 Optimizing logical coupling between brain stimulation and pharmacotherapy with use of animal models
Alexander Rotenberg (Boston, MA/US)
- 09:44–10:06 Reliability and reproducibility: the problem
Angelo Quartarone (Messina/IT)
- 10:06–10:30 Reliability and reproducibility: the solution
Yoshikazu Ugawa (Fukushima/JP)
- 11:00–12:15 **Is therapy a realistic option at the present time?**
Room Plenary Hall
Chairs Frank Padberg (Munich/DE), Felipe Fregni (Boston, MA/US)
- 11:00–11:10 For
Colleen Loo (Sydney/AU)
- 11:10–11:20 For
Felipe Fregni (Boston, MA/US)
- 11:20–11:30 Against
Andrea Antal (Göttingen/DE)
- 11:30–11:40 Against
Dennis Schutter (Nijmegen/NL)
- 11:40–12:15 Discussion
- 14:00–15:20 **Learning**
Room Plenary Hall
Chairs Leonardo G. Cohen (Bethesda, MD/US), Reinhard Dengler (Hanover/DE)
- 14:00–14:20 TBA
Leonardo G. Cohen (Bethesda, MD/US)
- 14:20–14:40 TBA
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- 14:40–15:00 Neural predictors of the effect of transcranial electrical stimulation on learning
Roi Cohen Kadosh (Oxford/GB)
- 15:00–15:20 Cerebellar stimulation effects on motor learning
Asha Kishore (Trivandrum/IN)
- 14:00–15:20 **Therapy Psychiatry**
Room Hall 2
Chairs Mark S. George (Charleston/US), Sarah Lisanby (Bethesda, MD/US)
- 14:00–14:20 TBA
Felipe Fregni (Boston, MA/US)
- 14:20–14:40 Optimizing rTMS for enhanced efficacy in depression
Zafiris Jeffrey Daskalakis (Toronto/CA)
- 14:40–15:00 Transcranial stimulation in psychiatry – translational research towards treatment?
Frank Padberg (Munich/DE)
- 15:00–15:20 rTMS in depression - is more always better?
Paul Fitzgerald (Melbourne/AU)
- 15:20–15:50 **Learning**
Room Plenary Hall
Chairs Janine Reis (Freiburg/DE), Melanie Wilke (Göttingen/DE)
- 15:20–15:50 **Therapy Psychiatry**
Room Hall 2
Chairs Kerrie-Anne Ho (Sydney/AU), Adam Woods (Gainesville, FL/US)
- 16:20–17:40 **Plasticity**
Room Plenary Hall
Chairs Andrea Antal (Göttingen/DE), Ying-Zu Huang (Taoyuan/TW)
- 16:20–16:40 A brain network perspective on tDCS induced neuroplasticity: single versus dual or multiple sites stimulation
Shapour Jaberzadeh (Victoria/AU)
- 16:40–17:00 Influence of anti-parkinson drugs on plastic changes induced by quadripulse transcranial magnetic stimulation (QPS)
Ritstuko Hanajima (Tokyo/JP)



17:00–17:20 What do we learn from the interaction between physical activities and effects of transcranial brain stimulation?
 Ying-Zu Huang (Taoyuan/TW)

17:20–17:40 TBA
 Masashi Hamada (Tokyo/JP)

Therapy Psychiatry

16:20–18:00
 Room Hall 2
 Chairs Frank Padberg (München/DE), Andre Brunoni (São Paulo/BR)

16:20–16:40 Non-invasive brain stimulation for the treatment of negative symptoms in schizophrenia: clinical and biological effects
 Alkomeit Hasan (Munich/DE)

16:40–17:00 tDCS for the treatment of mood disorders
 Andre Brunoni (São Paulo/BR)

17:00–17:20 tDS in patients with schizophrenia
 Jerome Brunelin (Bron/FR)

17:20–17:40 Electrophysiological correlates and prognostic biomarkers of TMS clinical effectiveness
 N. N.

17:40–18:00 Summary
 Sarah Lisanby (Bethesda, MD/US)

17:40–18:00 **Plasticity**
 Room Plenary Hall
 Chairs Diane Ruge (London/GB), Brita Fritsch (Freiburg/DE)

18:00–18:20 **Highlights of Saturday afternoon sessions**
 Room Plenary Hall

18:20–18:30 **Final remarks**
 Room Plenary Hall

18:30–18:35 **Closure and Farewell**
 Room Plenary Hall