BENE BRAIN STIMULATION CONFERENCE

THURSDAY
26 NOVEMBER

AGENDA

Time	Activity
9:00	Registration Opens
9:30	Words of welcome with **Philip van Eijndhoven**

	ROOM 1 (ZAAL 4)	ROOM 2 (ZAAL 6)	ROOM 3 - CLINICAL TRACK*
9:45	Keynote 1: **Gesa Hartwigsen**		
10:30	Coffee break		
11:00	Symposium 1	Symposium 2	Workshops
12:30	Lunch		
13:30	Keynote 2: **Friedhelm Hummel**		
14:15	Free communications 1	Free communications 2	Update new consensus paper
15:00	Coffee break		
15:30	Symposium 3	Symposium 4	
17:00	Reception and poster session - until 18:30		

19:30	Conference dinner (preregistration)

**Sessions are in Dutch, workshops are in room Nickelodeon, update consensuspaper is in room Lumiere*

BENE BRAIN STIMULATION CONFERENCE

FRIDAY
27 NOVEMBER

AGENDA

Time	Activity
8:30	*Board meeting (Foundation members only)*
9:30	Registration opens

	ROOM 1 (ZAAL 4)	ROOM 2 (ZAAL 6)	ROOM 3 - CLINICAL TRACK*
10:00	Keynote 3: **Bart Nuttin**		
10:45	Coffee break		
11:15	Symposium 5	Symposium 6	Workshops
12:45	Lunch		
13:45	Free communications 3	Free communications 4	FAQ Session
14:30	Coffee break		
15:00	Keynote 4: **Anna-Katherine Brem**		
15:45	Closing and poster awards		
16:15	See you next year at the 6th edition of BeNe!		

**Sessions are in Dutch, workshops are in room Nickelodeon, update consensuspaper is in room Lumiere*

KEYNOTES

THURSDAY — ROOM 1

GESA HARTWIGSEN: 9:45
Flexible adaptation during cognition – insights from NIBS & fMRI

FRIEDHELM HUMMEL: 13:30
Orchestrating the Brain: Neuromodulation Strategies to Enhance Motor and Cognitive Functions

FRIDAY — ROOM 1

BART NUTTIN: 10:00
Deep brain stimulation for psychiatric disorders

ANNA-KATHERINE BREM: 15:00
To be disclosed

FREE COMMUNICATIONS

THURSDAY

FREE COMMUNICATIONS 1 — ROOM 1 14:15

Tjardo Postma: White Matter Correlates of Repetitive Transcranial Magnetic Stimulation Combined with Exposure and Response Prevention Therapy in Obsessive-Compulsive Disorder
Marlieke Silvertand: rTMS in Adolescents with Treatment-Resistant Depression and Suicidal Ideation: From Systematic Evidence to Clinical Practice

FREE COMMUNICATIONS 2 — ROOM 2 14:15

Haorun Huang: Disentangling Central and Peripheral Pathways in Cerebellar Focused Ultrasound Neuromodulation
Robin Gerrits: Hemispheric dominance as a source of between-subject variability in short-term TMS responses

FRIDAY

FREE COMMUNICATIONS 3 — ROOM 1 13:45

Stefanie De Smet: Brain states shape resting-state functional connectivity and working memory following prefrontal theta-burst stimulation
Dagmar Timmers: Comparison of Motor Threshold Determination Methods in TMS and Their Impact on Stimulation Discomfort

FREE COMMUNICATIONS 4 — ROOM 2 13:45

Imke Molenaar: Reduction of oscillatory natural frequency in right dorsolateral prefrontal cortex in patients with Bipolar Depression
Annel Koomen: Transient verbal episodic memory impairment induced by gamma tACS in pre-dementia Alzheimer's disease

CLINICAL TRACK

THURSDAY

WORKSHOPS – Registration required — ROOM Nickelodeon 11:00

Threshold determination, OFC TMS, best-practice, heart-brain coupling & tES

UPDATE NEW CONSENSUS PAPER — ROOM Lumiere 14:15

The most important changes from the soon to be published update of the consensus-paper on rTMS in depression will be discussedc

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WORKSHOPS – Registration required — ROOM Nickelodeon 11:15

Threshold determination, OFC TMS, best-practice, heart-brain coupling & tES

FAQ SESSION — ROOM Lumiere 13:45

Frequently asked questions and case presentations will be discussed

ROOM 1: Zaal 4 | ROOM 2: Zaal 6

SYMPOSIUMS

THURSDAY

SYMPOSIUM 1: FROM NEUROPHYSIOLOGY TO TREATMENT: BRAIN STIMULATION FOR BIPOLAR DEPRESSION — ROOM 1 11:00

Chair: Eva Oostra
Urmi Pahladsingh: aiTBS as treatment for Bipolar Depression - a systematic review
Emile d'Angremont: Left-sided Inhibition Deficits and right-sided Hyperexcitability in Treatment Resistant Bipolar Depression – a TMS-EEG study
Eva Oostra: First results of a Dutch randomized clinical trial investigating 1Hz rTMS for treatment resistant bipolar depression – the T-BIDE study

SYMPOSIUM 2: REACHING THE DEEP BRAIN WITH NON-INVASIVE BRAIN STIMULATION — ROOM 2 11:00

Chair: Inge Leunissen
Bettina C. Schwab: Neural Entrainment by tACS in Humans: Evidence from Downstream Recordings
Inge Leunissen: Cortical beta stimulation of preSMA entrains subthalamic activity during deep brain stimulation surgery in Parkinson's disease
Myles Mc Laughlin: Transcranial Focused Ultrasound for Non Invasive Modulation of Deep Cerebellar Circuits: Insights from Animal Models to Human Studies
Jelena Trajkovic: Testing target-specific modulation of attentional and motor oscillatory networks with transcranial focused ultrasound

SYMPOSIUM 3: OPTIMIZING RTMS IN DEPRESSION: MECHANISMS, EFFICACY, AND PREDICTION — ROOM 1 15:30

Chair: Philip van Eijndhoven
Iris Dalhuisen: Enhancing effect of cognitive interventions on non-invasive brain stimulation for depression and depressive symptoms: A systematic review
Marloes Wurkum: Characterization of TMS-evoked potentials in healthy and depressed adults
Tom Biemans: Comparing The Clinical Efficacy of 5-day Multi Daily Neuronavigated iTBS vs. Standard rTMS in Treatment-Resistant Depression: Results from the Dutch Depression Outcome Trial
Katinka Coenen: Identifying and Predicting Longitudinal Trajectories in Patients with Treatment-Resistant Depression during Repetitive Transcranial Magnetic Stimulation

SYMPOSIUM 4: RHYTHM OF REMEMBERING: USING NONINVASIVE TRANSCRANIAL ALTERNATING CURRENT STIMULATION TO MODULATE HUMAN MEMORY IN HEALTH AND DISEASE — ROOM 2 15:30

Chair: Vincent van de Ven
Tuba Aktürk: The after-effects of tACS on EEG brain oscillations and episodic memory
Yuejuan Wang: Frequency-specific tACS modulation of hippocampal-cortical connectivity
Willem de Haan: Tuning brain networks to support memory: Non-invasive brain stimulation in Alzheimer's disease
Miles Wischnewski: Prefrontal theta phase organizes working memory performance during combined TMS–tACS

FRIDAY

SYMPOSIUM 5: DEEP BRAIN AND PERIPHERAL NEUROSTIMULATION IN EXPERIMENTAL AND CLINICAL NEUROPSYCHIATRY — ROOM 1 11:15

Chair: Laura Luyten
Laura Luyten & Boateng Asamoah: Occipital nerve stimulation effects on encoding and consolidation of passive avoidance learning in rats
Valentina Jelinčić: The effects of peripheral nerve stimulation on fear acquisition, extinction and avoidance learning: a cross-species systematic review
Tatyana Branco Nunes: A novel self-report instrument for assessing deep brain stimulation–related experiences in obsessive-compulsive disorder
Hannes Heylen: Anatomical correlates of clinical response to deep brain stimulation in obsessive-compulsive disorder

SYMPOSIUM 6: APPLICATIONS OF ELECTRIC FIELD MODELING IN NON-INVASIVE BRAIN STIMULATION — ROOM 2 11:15

Chair: Stefanie De Smet
Julia Meijer: The potential role of electric field magnitude in the relation between age and ECT cognitive side effects
Beatriz Cavendish: Effect of E-field magnitude on antidepressant effectiveness and cognitive side effects in MST vs. ECT
Sybren Van Hoornweder: Wanted or Not: Modeling Cranial Nerve Recruitment in Neuromodulation
Qinyuan Chen: Individualized Target Engagement in aiTBS for Major Depression: Linking Electric Field Modeling, Structural Connectivity, and Clinical Outcome

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CLINICAL TRACK

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CLINICAL-CORE 1 — ROOM Lumiere

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