

7th EUROPEAN CONFERENCE ON

BRAIN STIMULATION IN MENTAL HEALTH

New Frontiers in Brain Stimulation Practice across the Lifespan

October 15-17, 2026

Maritime Station
Conference Center - Napoli



The 7th edition of the European Conference on Brain Stimulation in Mental Health (ECBS), the biannual official congress of the European Society for Brain Stimulation (ESBS). ECBS is a dynamic and interdisciplinary event bringing together key opinion leaders, researchers, and innovators committed to advancing brain stimulation practices in psychiatry and neurology.

Brain Stimulation (BS) is one of the fastest-growing frontiers in neuroscience and mental health care. With exponential advances in technology, increasing clinical applications, and expanding regulatory validation, BS is transforming how we understand and treat psychiatric and neurological disorders worldwide.

This year's theme – New Frontiers in Brain Stimulation Practice across Lifespan – highlights our focus on personalized and age-inclusive approaches. We will explore how brain stimulation is reshaping

mental health care from childhood to old age, addressing a wide spectrum of clinical conditions and applications in special populations with unique physiological needs.

A major focus will be on the complex interactions between brain stimulation and the neurophysiological and neurobiological underpinnings of mental disorders.

We'll also discuss the integration of brain stimulation with pharmacological treatments, which offers largely unexplored possibilities for improved and synergistic treatments for patients with psychiatric and neurological disorders.

A special emphasis will be given also to the latest technological advances and to the personalization of treatment protocols: home-based non-invasive brain stimulation, accelerated and adaptive protocols, invasive brain stimulation, and emerging non-electromagnetic stimulation approaches.

Keynote speakers



Paolo Maria Rossini



Odile van den Heuvel



Marom Bikson

Scientific Director

Giordano D'Urso



Sophie Fitzsimmons



Nikita Van der Vinne



Harold A. Sackeim

International Scientific Committee

Chris Baeken
Anna-Katharine Brem
Jerome Brunelin
Lorena Chanes
Weronika Dębowska
Stefanie De Smet
Igor Filipczik

Marco Andre Hirnstein
Debby Klooster
Theodoros Koutsomitos
Jacinta O'Shea
Lais Razza
Alexander Sack
Sven Vanneste

Local Scientific Committee

Beatrice Benatti
Roberta Ferrucci
Giacomo Grassi
Marco Manzo

Alessandro Passeretti
Federico Perrotta
Mauro Pettorosso

Local Organizing Committee

Carmen Concerto
Gianpiero Gallo

Mario Luciano
Mattia Pomes

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Faculty

Tuba **Aktürk**, Maastrich
Martijn **Arns**, Nijmegen

Chris **Baeken**, Brussel
Jean-Marie **Batail**, Rennes
Indrit **Bègue**, Geneva
Beatrice **Benatti**, Xxx
Til Ole **Bergmann**, Mainz
Tom **Biemans**, Nijmegen
Marom **Bikson**, Xxx
Tommaso **Bocci**, Milano
Marta **Bortoletto**, Lucca
Noomane **Bouaziz**, Ville Evrard
Joshua **Brown**, Harvard
Jerôme **Brunelin**, Lion

Lionel **Cailhol**, Montreal
Nicola **Cascella**, Xxx
Robin **Cash**, Melbourne
Elias **Casula**, Roma
Beatriz **Cavendish**, Sao Paulo
Leo **Chen**, Melbourne
Benedetta **Cherbachich**, Munich
Lasse **Christiansen**, Xxx
Carmen **Concerto**, Xxx
Goncalo **Cotovio**, Xxx
Coen **Coomans**, Amsterdam

Iris **Dalhuisen**, Nijmegen
Willem **De Hann**, Nijmegen
Chiara **De Panfilis**, Parma
Stefanie **De Smet**, Gent
Weronika **Debowska**, Xxx
Bernardo **Dell'osso**, Milano
Giordano **D'Urso**, Napoli

Felice **Esposito**, Napoli

Sofia **Fernandes**, Lisbona
Roberta **Ferrucci**, Milano
Martinjn **Figee**, Xxx
Sophie **Fitzsimmons**, Amsterdam

Peter **Giacobbe**, Toronto
Juha **Gogulski**, Xxx
Roberto **Goya - Maldonado**, Jena
Ida **Granö**, Xxx
Giacomo **Grassi**, Xxx
Raquel **Guiomar**, Coimbra
Bahar **Güntekin**, Istanbul

Sylvain **Harquel**, Grenoble
Haijing **Huang**, Xxx

Risto **Ilmoniemi**, Xxx

Jessica **Jacobs**, Bern

Elisa **Kallioniemi**, New Jersey
Petros **Kattou**, Sydney
Debby **Klooster**, Xxx
Giacomo **Koch**, Roma
Annel **Koomen**, Amsterdam
Theodoros **Koutsomitros**, Xxx
Ludovica **labruna**, Xxx

Soili M. **Lehto**, Oslo
Letizia **Leocani**, Siracusa
Anna **Letournel**, Xxx
Pantelis **Lioumis**, Xxx
Jacopo **Lisoni**, Brescia
Paulo **Lizano**, Rochester
Yasmin **Lopes Viera**, Coimbra

Faculty

Graziella **Madeo**, Xxx
Marco **Manzo**, Napoli
Ksenija **Maravic Da Silva**, Xxx
Sara **Marceglia**, Milano
Lisa **Marshall**, Luebeck
Giovanni **Martinotti**, Chieti
Laura **Marzetti**, Chieti
Declan **McLoughlin**, Dublin
Julia **Meijer**, Brussel
Roel **Mocking**, Amsterdam
Vera **Moliadze**, Kiel
Marine **Mondino**, Lione
Yosuke **Morishima**, Bern

Cecilia **Neige**, Lione
Sean **Nestor**, Toronto
Enoch **Ng**, Toronto
Ole **Numssen**, Leipzig
Marten **Nuyts**, Hasselt

Albino **Oliveira-Maia**, Lisbona
Eva **Oostra**, Amsterdam
Frank **Padberg**, Munchen
Urmi **Pahladsingh**, Amsterdam
Bruno **Pedraz-Petrozzi**, Mannheim
Giovanni **Pellegrino**, Canada
Mircea **Polosan**, Grenoble
Tjardo **Postma**, Xxx
Emmanuel **Poulet**, Lion
Alberto **Priori**, Milano

Estelle **Raffin**, Grenoble
Simone **Rossi**, Siena
Paolo Maria **Rossini**, Xxx
Maud **Rotharmel**, Rouen
Belen **Rubio**, Zurich

Alexander **Sack**, Maastrich
Harold A. **Sackheim**, South Carolina
Ana **Sanchez Kuhn**, Xxx
Anne **Sauvaget**, Nantes
Wianne **Schipper**, Amsterdam
Anna Lisa **Schuler**, Leipzig
Paola **Signorelli**, Milano
Lukasz **Smigielski**, Zurich
Danny **Spampinato**, Roma

Axel **Thielscher**, Copenhagen
Martin **Tik**, Leipzig
Leo **Tomasevic**, Regensburg
Jelena **Trajkovic**, Maastrich
Luigi **Trojano**, Napoli

Odile **van den Heuvel**, Amsterdam
Thomas **van der Velde**, Maastrich
Nikita **van der Vinne**, Xxx
Philip **van Eijndhoven**, Nijmegen
Eric **van Exel**, Amsterdam
Sybren **Van Hoornweder**, Hasselt
Sanne **van Rooij**, Atlanta
Maria **Vasileiadi**, Toronto

Hidde **Woerdman**, Amsterdam
Marloes **Wurkum**, Nijmegen

Abraham **Zangen**, Beer-Sheva
Yichen **Zhang**, Gent
Ulf **Ziemann**, Tuebingen

Patronages



Floorplan



Synoptic Program



Synoptic Program



October 15th, 2026 8:00 - 9:00 Registration	ROOM DIONE-ELETTA						13:30 - 14:00 ECBS Welcome Session		14:00 - 15:00 Keynote P.M. Rossini. NIBS methods: a window on physiological and pathological brain function	15:00 - 16:20 S1 NIBS in Psychiatric Disorders	16:20 - 16:40 Coffee Break	16:40 - 18:00 S3 The neurobiology of electrical stimulation: from molecules to behavior	18:00 - 19:30 ESBS General Assembly	21:00 - 23:00 ESBS Committee / Members Dinner
	ROOM PERSEIDE	9:00 - 12:00 Introductory Mini-Course (WG3). Pre-conference Course Intro-duction to NIBS								15:00 - 16:20 S2 NIBS in the Pediatric Population		16:40 - 18:00 S21 Network-Guided Brain Stimulation in Alzheimer's Disease		
October 16th, 2026 8:00 - 8:30 Registration	ROOM DIONE-ELETTA		9:30 - 10:20 Keynote <i>O. van den Heuvel, S. Fitzsimmons.</i> From circuit dysfunction to personalized brain stimulation in obsessive-compulsive disorder	10:20 - 11:20 S5 NIBS: A Bridge between Neurophysiology, Neuropsychology, and Neurochemistry	11:20 - 11:40 Coffee Break	11:40 - 13:00 S7 Advancements in Accelerated and Personalized Brain Stimulation			14:00 - 14:50 Keynote <i>H. Sackeim.</i> 92 years of seizure therapy: what have we learned and what is the future?	14:50 - 16:10 S9 Dosing Approaches Across Neuromodulation Techniques	16:10 - 16:30 Coffee Break	16:30 - 17:30 S11 Interventional Psychiatry for Depression Across the Lifespan: Challenges and Opportunities	17:30 - 18:30 S13 Invasive brain stimulation in Psychiatric Disorders	20:30 - 23:00 Conference Gala Dinner
	ROOM PERSEIDE	8:30 - 9:30 Sponsored Workshop (SOZO) Complex Neurological Psychiatry conditions treated with FNON		10:20 - 11:20 S6 Optimizing TBS in OCD		11:40 - 13:00 S8 Optimizing NIBS for Schizophrenia	13:00 - 14:00 Lunch / Networking & Poster Session 1			14:50 - 16:10 S10 Targeting Brain Connectivity with Non-Invasive Brain Stimulation: From Mechanisms to Translation		16:30 - 17:30 S12 Optimizing Brain Stimulation: Plasticity, Neural Circuits, and Metabolic Health	17:30 - 18:30 Free Communications Session 1	
October 17th, 2026 8:00 - 8:30 Registration	ROOM DIONE-ELETTA	8:30 - 9:30 S14 Beyond the Acute Response: Rethinking rTMS Maintenance Strategies in Depression	9:30 - 10:20 Keynote <i>M. Bikson.</i> What Was Once Impossible: How Better Electrode Technology Transforms Outcomes	10:20 - 11:20 Brain Stimulation Regulation Roundtable WG4 Special session	11:20 - 11:40 Coffee Break	11:40 - 13:00 S17 Emerging Technologies for Individualized Biomarkers and Adaptive Treatments			14:00 - 14:50 Keynote <i>N. van der Vinne.</i> The next generation of personalized brain stimulation	14:50 - 16:10 S19 Mapping the Active Brain: Circuit Mechanisms to Clinical Applications	16:10 - 16:30 Coffee Break	16:30 - 17:30 Career Development Roundtable WG6 Special session	17:30 - 18:30 Free Communications Session 2	18:30 - 19:00 Poster Awards & Conference Closing (ESBS President)
	ROOM PERSEIDE	8:30 - 9:30 S11 State-dependent Modulation of NIBS: From Mechanisms to Clinical Applications		10:20 - 11:20 S14 Personalizing rTMS in Depression through the Fronto-Vagal Network		11:40 - 13:00 S17 Brain State Dependent Modulation of Motor Cortex Excitability	13:00 - 14:00 Lunch / Networking & Poster Session 2			14:50 - 16:10 S20 NIBS for Borderline Personality Disorder		16:30 - 17:50 S21 Advancing Non-Invasive Brain Stimulation for Bipolar Disorder: Mechanisms, Targets, ...	17:50 - 18:30 ESBS Guidelines Session WG1 / WG4 presentation	

October 15th, 2026

Program

8.00 - 9.00

REGISTRATION

ROOM PERSEIDE 9.00 - 12.00

Pre-conference Course. Introduction to Non-Invasive Brain Stimulation
Chairs: (NIBS)

9.00 - 9.10	Welcome and introduction - Chris Baeken
9.10 - 9.30	The certification pathway of the European Society of Brain Stimulation (ESBS) - Chris Baeken
9.30 - 9.40	Q&A on ESBS certification
9.40 - 9.45	SHORT BREAK
9.45 - 10.05	Transcranial Magnetic Stimulation (TMS) basics: what it is and how it works - Lasse Christiansen
10.05 - 10.25	Transcranial Electrical Stimulation (tES) basics: what it is and how it works - Sofia Fernandes
10.25 - 10.40	Overview of current clinical and research guidelines - Albino Oliveira-Maia
10.40 - 11.00	Safety and ethics in NIBS - Weronika Debowska
11.00 - 11.05	SHORT BREAK
11.05 - 12.00	Hands-on session with TMS and tES selected devices

ROOM DIONE-ELETTRA

13.30 - 14.00	ECBS Welcome Session
14.00 - 15.00	Keynote speaker - Paolo Maria Rossini Non-invasive brain stimulation methods: a window on physiological and pathological brain function

October 15th, 2026

Program

ROOM DIONE-ELETTRA 15.00 - 16.20

Non-invasive Brain Stimulation in Psychiatric Disorders
Chairs: Bernardo Dell'Osso, Alexander Sack

15.00 - 15.15	Transcranial Brain Stimulation in Depression: About settings and access to treatment - Frank Padberg
15.15 - 15.30	Non-invasive Brain Stimulation in Obsessive-Compulsive Disorder - Beatrice Benatti
15.30 - 15.45	Non-invasive Brain Stimulation in Addiction: Clinical Perspectives and Future Directions - Graziella Madeo
15.45 - 16.00	Psychedelics or Non-invasive Brain Stimulation in treatment resistant psychiatric disorders? - Giovanni Martinotti
16.00 - 16.20	Discussion

ROOM PERSEIDE 15.00 - 16.20

Non-invasive Brain Stimulation in the Pediatric Population
Chairs: Til Ole Bergmann, Yosuke Morishima

15.00 - 15.15	Transcranial Electrical Stimulation in the Pediatric Population: Overview - Vera Moliadze
15.15 - 15.30	Optimizing rTMS for Adolescent Resistant Depression: Current Evidence and Emerging Protocols - Belen Rubio
15.30 - 15.45	Compensatory Mechanism of Theta Oscillations in Clinical High Risk for Psychosis - Yosuke Morishima
15.45 - 16.00	Biomarkers of Clinical Response to Transcranial Magnetic Stimulation - Lukasz Smigielski
16.00 - 16.20	Discussion
16.20 - 16.40	COFFEE BREAK

October 15th, 2026

Program

ROOM DIONE-ELETTRA 16.40 - 18.00**The neurobiology of electrical stimulation: from molecules to behavior**

Chairs: Giordano D'Urso, Alberto Priori

16.40 - 16.55	Experimental evidence for electric field-induced destabilization of amyloid fibrils and alfa-synuclein in vitro: theoretical implications for direct current stimulation in Alzheimer's disease and Parkinson's disease - Sara Marceglia
16.55 - 17.10	The effects of electrical stimulation on molecular biomarkers in normal and pathological conditions: from in vitro to in vivo studies - Paola Signorelli
17.10 - 17.25	Direct Current Stimulation modulates gene expression related to human diseases in animal models - Tommaso Bocci
17.25 - 17.40	Neurobiological underpinnings of tDCS effects in bipolar disorder - Marco Manzo
17.40 - 18.00	Discussion

October 15th, 2026

Program

ROOM PERSEIDE 16.40 - 18.00**Network-Guided Brain Stimulation in Alzheimer's Disease: Toward Precision Neuromodulation**

Chairs: Giacomo Koch, Willem de Haan

16.40 - 16.55	Investigating mechanisms of memory improvement with 40Hz precuneus tACS and MEG in pre-dementia AD: the MEMENTO study - Annel Koomen
16.55 - 17.10	Computational Modeling of Precuneus TMS: Optimizing Induced Electric Fields in the Presence of Alzheimer's-Related Atrophy - Hidde Woerdman
17.10 - 17.25	TMS-EEG-fMRI Integration: Personalizing Non-Invasive Brain Stimulation and Mapping Causal Brain Dynamics - Elias Casula
17.25 - 17.40	Cerebellar Rhythms and Precision Neuromodulation: Mechanisms and Translational Impact - Danny Spampinato
17.40 - 18.00	Discussion

ROOM DIONE-ELETTRA

18.00 - 19.30	ESBS General Assembly
21.00 - 23.00	ESBS committee/members Dinner

October 16th, 2026

Program

8.00 - 8.30

REGISTRATION

ROOM PERSEIDE

Sponsored workshop (SOZO).
Complex Neurological PSYCHIATRY conditions treated with FNON

8.30 - 9.30

FNON stands for Functional Network-Oriented Neuromodulation - Petros Kattou

ROOM DIONE-ELETTRA

9.30 - 10.20

Keynote speaker - Van den Heuvel, Sophie Fitsgimmons
From circuit dysfunction to personalized brain stimulation in obsessive-compulsive disorder

ROOM DIONE-ELETTRA 10.20 - 11.20

Non-Invasive Brain Stimulation: a bridge between Neurophysiology, Neuropsychology, and Neurochemistry
Chairs: Letizia Leocani, Luigi Trojano

10.20 - 10.35

NIBS and Neurophysiology - Simone Rossi

10.35 - 10.50

NIBS and Neuropsychology - Roberta Ferrucci

10.50 - 11.05

NIBS and drugs - Ulf Ziemann

11.05 - 11.20

Discussion

October 16th, 2026

Program

ROOM PERSEIDE 10.20 - 11.20

Optimizing theta-burst stimulation in obsessive-compulsive disorder: personalized targeting and oscillatory circuit engagement

Chairs: Mircea Polosan, Estelle Raffin

10.20 - 10.35

Targeting OCD Circuits with TMS: From Pathophysiological Rationale to Personalized Stimulation - Jean-Marie Batail

10.35 - 10.50

Personalized Right Inferior Frontal Gyrus-targeted iTBS Treatment in OCD: Results of the MAGTOC Randomized Clinical Trial - Sylvain Harquel

10.50 - 11.05

Harnessing High-Gamma Theta-Burst Stimulation to Enhance TBS-Induced Plasticity - Estelle Raffin

11.05 - 11.20

Discussion

11.20 - 11.40

COFFEE BREAK

ROOM DIONE-ELETTRA 11.40 - 13.00

Advancements in Accelerated and Personalized Brain Stimulation: Integrating Clinical Efficacy, Personalized Target Engagement & Stability and TMS-EEG
Chairs: Eric van Exel, Philip van Eijndhoven

11.40 - 11.55

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 - Tom Biemans

11.55 - 12.10

Prospective Validation of fMRI-Guided Targeting in Accelerated iTBS for Major Depressive Disorder: A Comparison With Standard Scalp-Based 10 Hz rTMS - Coen Coomans

12.10 - 12.25

Target stability and variability of personalized fMRI-guided TMS in a clinical trial for PTSD - Sanne van Rooij

12.25 - 12.40

Electrophysiological Correlates of Deep TMS effects in Major Depressive Disorder, and Clinical Outcomes of an Accelerated Deep TMS Protocol from a Recent Multisite Trial - Abraham Zangen

12.40 - 13.00

Discussion

October 16th, 2026

Program

ROOM PERSEIDE 11.40 - 13.00**Optimizing Non-Invasive Brain Stimulation for Schizophrenia:
Toward Personalized and Mechanism-Based Interventions**

Chairs: Marine Mondino, Antonio Vita

11.40 - 11.55	Mapping symptom-general and symptom-specific targets for transcranial magnetic stimulation in schizophrenia: an electric-field modeling meta-analysis - Indrit Bègue
11.55 - 12.10	tRNS for difficult to treat symptoms of schizophrenia. Results from a French multicentre RCT - Jérôme Brunelin
12.10 - 12.25	Is tDCS effective for the negative symptoms of schizophrenia? A meta-analytic study of clinical moderators and stimulation parameters - Raquel Guiomar
12.25 - 12.40	Beyond Symptom Reduction in Schizophrenia: tDCS Effects on Life Engagement and Cigarette Smoking as a Moderator of tDCS Outcomes on Negative and Cognitive Symptoms - Jacopo Lisoni
12.40 - 13.00	Discussion
13.00 - 14.00	LUNCH & POSTER SESSION 1

ROOM DIONE-ELETTRA

14.00 - 14.50	Keynote speaker - Harold Sackheim 92 years of seizure therapy: what have we learned and what is the future?
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October 16th, 2026

Program

ROOM DIONE-ELETTRA 14.50 - 16.10**Dosing Approaches Across Neuromodulation Techniques:
Insights from TMS and ECT**

Chairs: Chris Baeken, Julia Meijer

14.50 - 15.05	General overview of dosing parameters across major neuromodulation techniques - Julia Meijer
15.05 - 15.20	Is It the Dose or the Schedule? Antidepressant Effects of Accelerated vs Daily iTBS - Beatriz Cavendish
15.20 - 15.35	From atlas to individual: estimating TMS dose with population-level electric field models - Ole Numssen
15.35 - 15.50	Less Is More? How higher-than-intended ECT dosing may reduce remission rates - Eric van Exel
15.50 - 16.10	Discussion

ROOM PERSEIDE 14.50 - 16.10**Targeting Brain Connectivity with Non-Invasive Brain Stimulation:
From Mechanisms to Translation**

Chairs: Tuba Aktürk, Jelena Trajkovic

14.50 - 15.05	Flexible Fronto-Parietal Theta Communication: Frequency- and Phase-Specific tACS Effects on Episodic Memory - Tuba Aktürk
15.05 - 15.20	Personalized ccPAS Enhances Dorsal Attention Network Connectivity and Spatial Attention - Jelena Trajkovic
15.20 - 15.35	State-Dependent Brain Stimulation: Insights from Hidden Markov Modeling of Network Dynamics - Laura Marzetti
15.35 - 15.50	Application of 40 Hz Gamma Entrainment Increases EEG Resting State Alpha Activity in Healthy Controls and Alzheimer's Disease Patients - Bahar Güntekin
15.50 - 16.10	Discussion
16.10 - 16.30	COFFEE BREAK

October 16th, 2026

Program

ROOM DIONE-ELETTRA 16.30 - 17.30**Interventional Psychiatry for Depression Across the Lifespan: Challenges and Opportunities**

Chairs: Peter Giacobbe, Enoch Ng

16.30 - 16.45	Youth and rTMS for Depression - Enoch Ng
16.45 - 17.00	Adverse Childhood Experiences and Interventional Psychiatry - Peter Giacobbe
17.00 - 17.15	Ultrabrief Pulse ECT in Adults and Older Adults - Declan McLoughlin
17.15 - 17.30	Discussion

ROOM PERSEIDE 16.30 - 17.30**Optimizing Brain Stimulation: Plasticity, Neural Circuits, and Metabolic Health as the emerging Therapeutic Triad for Improved Mental Health Outcomes**

Chairs: Sean Nestor, Maria Vasileiadi

16.30 - 16.42	Brain circuit-based underpinnings of TMS therapeutic outcomes: new findings - Robin Cash
16.42 - 16.54	A Case for Considering Metabolic Health in Psychiatric TMS Outcomes - Maria Vasileiadi
16.54 - 17.06	Translating Synaptic Mechanisms of TMS into Novel Protocols and Effective Outcomes - Joshua Brown
17.06 - 17.18	D-Cycloserine Augmentation of Intermittent Theta Burst Stimulation (iTBS) in Depression (COGENT): A Multi-Site, Randomised, Placebo-Controlled Trial - Leo Chen
17.18 - 17.30	Discussion

October 16th, 2026

Program

ROOM DIONE-ELETTRA 17.30 - 18.30**Invasive brain stimulation in Psychiatric Disorders**

Chairs: Felice Esposito, Martijn Figee

17.30 - 17.45	Deep Brain Stimulation in Depression - Roel Mocking
17.45 - 18.00	Deep Brain Stimulation in Schizophrenia - Nicola Cascella
18.00 - 18.15	Deep Brain Stimulation in Obsessive-Compulsive Disorder - Martijn Figee
18.15 - 18.30	Discussion

ROOM PERSEIDE 17.30 - 18.30**Free communications Session 1**

Chairs: Debby Klooster, Giacomo Grassi

17.30 - 17.40	kTMP: An Innovative, Comfortable Non-Invasive Brain Stimulation Method for Modulating Brain Activity and Its Clinical Applications - Ludovica Labruna
17.40 - 17.50	ABIS-XR: A Multimodal Closed-Loop EEG-ECG Framework for Adaptive Neurostimulation in Virtual Reality - Anna Letourneil
17.50 - 18.00	White Matter Correlates of Repetitive Transcranial Magnetic Stimulation Combined with Exposure and Response Prevention Therapy in Obsessive-Compulsive Disorder - Tjardo Postma
18.00 - 18.10	Intermittent tACS Differentially Modulates Working Memory and Neural Oscillations - Haijing Huang
18.10 - 18.20	A Combined tDCS and Videogame Training Approach for Adult ADHD: An Exploratory Study - Benedetta Cherbacich
18.10 - 18.20	Restoring Sleep and Circadian Rhythm with Home-Based Brain Stimulation - Ksenija Maravic Da Silva

October 17th, 2026

Program

8.00 - 8.30 | REGISTRATION

ROOM DIONE-ELETTRA 8.30 - 9.30**Beyond the Acute Response: Rethinking rTMS Maintenance Strategies in Depression**

Chairs: Anne Sauvaget, Jean-Marie Batail

- 8.30 - 8.45 **Maintenance Protocols in rTMS: State of the Art and Perspectives from French Real-World Data (DS Natur Cohort)** - Noomane Bouaziz
- 8.45 - 9.00 **rTMS and Brain Plasticity: Understanding the Biological Determinants of Clinical Stability** - Jean-Marie Batail
- 9.00 - 9.15 **Maintaining Remission After ECT: What Role for rTMS?** - Maud Rotharmel
- 9.15 - 9.30 **Discussion**

ROOM PERSEIDE 8.30 - 9.30**State-dependent Modulation of Non-Invasive Brain Stimulation: From Mechanisms to Clinical Applications**

Chairs: Iris Dalhuisen

- 8.30 - 8.45 **Modulation of TMS-Induced Neuroplasticity by D-Serine Supplementation** - Thomas van der Velde
- 8.45 - 9.00 **State-dependent neuromodulation: bridging experimental insights and clinical applications** - Stefanie De Smet
- 9.00 - 9.15 **Enhancing effect of cognitive interventions on non-invasive brain stimulation for depression and depressive symptoms: A systematic review** - Marloes Wurkum
- 9.15 - 9.30 **Discussion**

ROOM DIONE-ELETTRA

- 9.30 - 10.20 **Keynote speaker** - Marom Bikson
What Was Once Impossible: How Better Electrode Technology Transforms Outcomes

October 17th, 2026

Program

10.20 - 11.20 **Brain Stimulation regulation roundtable (WG4)**
Chairs: Lasse Christiansen, Til Ole Bergman**ROOM PERSEIDE** 10.20 - 11.20**Personalizing rTMS in Depression through the Fronto-Vagal Network: Heart-Brain Coupling, Clinical Target Engagement, and Inflammation**

Chairs: Soili M. Lehto, Roberto Goya-Maldonado

- 10.20 - 10.35 **Beyond Beam-F3: A Grid-Based Frontal Mapping Approach using Heart-Brain Coupling to Guide Personalised rTMS in Depression** - Jessica Jacobs
- 10.35 - 10.50 **Heart-Brain Coupling as a Target Engagement Biomarker for Personalized rTMS: A Lifespan Normative Modelling Perspective** - Martijn Arns
- 10.50 - 11.05 **Frontovagal Circuit Engagement under Inflammation as a Determinant of rTMS Clinical Effects in Depression** - Bruno Pedraz-Petrozzi
- 11.05 - 11.20 **Discussion**
- 11.20 - 11.40 **COFFEE BREAK**

ROOM DIONE-ELETTRA 11.40 - 13.00**Emerging Technologies for Individualized Biomarkers and Adaptive Treatments in Mental Health**

Chairs: Juha Gogulski, Pantelis Lioumis

- 11.40 - 11.55 **TMS-EEG biomarkers of brain circuits in health and depression** - Pantelis Lioumis
- 11.55 - 12.10 **Automated strategies for individualized TMS targeting** - Ida Granö
- 12.10 - 12.25 **Automated stimulation and enhanced biomarkers with multi-locus TMS** - Risto Ilmoniemi
- 12.25 - 12.40 **Future perspectives of biomarker-guided rTMS interventions** - Juha Gogulski
- 12.40 - 13.00 **Discussion**

October 17th, 2026

Program

ROOM PERSEIDE 11.40 - 13.00**Brain-State Dependent Modulation of Motor Cortex Excitability**

Chairs: Marten Nuyts, Sybren Van Hoornweder

11.40 - 11.55	The Functional Significance of the Sensorimotor Rhythm in Modulating Cortical Response to Perturbation - Leo Tomasevic
11.55 - 12.10	Does prestimulus alpha oscillation predict the immediate TMS-EEG response? - Marta Bortoletto
12.10 - 12.25	Sensorimotor Beta States Shape Cortical Responses to Stimulation During Movement - Marten Nuyts
12.25 - 12.40	Beta oscillations in motor control: from mechanisms to modulation - Sybren Van Hoornweder
12.40 - 13.00	Discussion
13.00 - 14.00	LUNCH/NETWORKING / POSTER SESSION 2

ROOM DIONE-ELETTRA

14.00 - 14.50	Keynote speaker - Nikita Van der Vinne The next generation of personalized brain stimulation
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ROOM DIONE-ELETTRA 14.50 - 16.10**Mapping the active brain: From circuit mechanisms to clinical applications**

Chairs: Elisa Kallioniemi, Martin Tik

14.50 - 15.05	Approaches for cognitive mapping: from correlational to causal and predictive viewpoints on the road to neuropsychiatric applications - Anna-Lisa Schuler
15.05 - 15.20	Real-time causal mapping of pain circuitry with TMS-EEG: Implications for neuropsychiatric disorders - Elisa Kallioniemi
15.20 - 15.35	What we can learn from invasive assessment of excitability and its relevance for neuropsychiatric conditions - Giovanni Pellegrino
15.35 - 15.50	Real-time neurochemical mapping for TMS depression treatment: A new interleaved TMS-MRS framework - Maria Vasileiadi
15.50 - 16.10	Discussion

October 17th, 2026

Program

ROOM PERSEIDE 14.50 - 16.10**Non-Invasive Brain Stimulation for Borderline Personality Disorder: From Neurobiology to Personalized Treatment Strategies**

Chairs: Jacopo Lisoni, Emmanuel Poulet

14.50 - 15.05	Effects of tDCS over the rVLPFC on hypersensitivity to rejection in borderline personality disorder - Chiara De Panfilis
15.05 - 15.20	Effectiveness of bipolar-balanced prefrontal tDCS in patients with borderline personality disorder: Results from a randomized, double-blind, sham-controlled trial - Jacopo Lisoni
15.20 - 15.35	Enhanced tDCS Protocols Targeting the Left Dorsolateral Prefrontal Cortex (IDL-PFC): Pilot Clinical Outcomes - Lionel Cailhol
15.35 - 15.50	Modulating inhibitory control network in borderline personality disorder using cortico-cortical paired associative stimulation - Cecilia Neige
15.50 - 16.10	Discussion
16.10 - 16.30	COFFEE BREAK

ROOM DIONE-ELETTRA

16.30 - 17.30	Career development roundtable (WG6) Speakers: Alexander Hunold, Sofia Fernandes, Eva Dijkstra, Giacomo Grassi. Chairs: Debby Klooster, Yasmin Lopes Viera
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ROOM PERSEIDE 16.30 - 17.50**Advancing Non-Invasive Brain Stimulation for Bipolar Disorder: Mechanisms, Targets, and Clinical Evidence**

Chairs: Eva Oostra, Eric van Exel

16.30 - 16.45	TMS-EEG in people with Bipolar Depression - a comparison with healthy controls - Wianne Schipper
16.45 - 17.00	aiTBS for Bipolar Depression - a systematic review and protocol - Urmi Pahladsingh

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Program

General information



17.00 - 17.15	First results of a Dutch multicenter sham-controlled rTMS trial for Treatment Resistant Bipolar Depression - Eva Oostra
17.15 - 17.30	Targeting Reward Circuits in Affective Psychosis: Personalized Beta-Gamma HD-tES of the Right Orbitofrontal Cortex - Paulo Lizano
17.30 - 17.50	Discussion

ROOM DIONE-ELETTRA 17.30 - 18.30**Free communications Session 2**

Chairs: Carmen Concerto, Theodoros Koutsomitros

17.30 - 17.40	Polarity-Dependent Modulation of Memory Consolidation by Closed-Loop Acoustic Stimulation During Slow-Wave Sleep - Lisa Marshall
17.40 - 17.50	Lesion network mapping in obsessive-compulsive disorder: from causal evidence to treatment? - Gonçalo Cotovio
17.50 - 18.00	NIBSdose.ai: A population-level dosing atlas for TMS - Ole Numssen
18.00 - 18.10	Effects of Frontoparietal Network Neuromodulation on Impulsive Decision-Making in Problematic Smartphone Use - Ana Sanchez Kuhn
18.10 - 18.20	Superficial white matter microstructural changes after accelerated intermittent theta burst stimulation treatment is related to anhedonia improvement in treatment-resistant depression - Yichen Zhang
18.20 - 18.30	Lost in Translation: Closing the Loop Between Computational Models and Clinical-Experimental NIBS - Axel Thielscher

ROOM PERSEIDE

17.50 - 18.30	ESBS guidelines (WG1/WG4)
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ROOM DIONE-ELETTRA

18.30 - 19.00	POSTER AWARDS and CONFERENCE CLOSING (ESBS President)
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ORGANIZING SECRETARIAT

SUMMEET

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