









Monday, 25 February, 2019

07:30-08:30	Registration Room: East Convention Level Lobby						Registration Desk Sponsored by: 
08:30-09:00	Opening Remarks , <i>Harold A. Sackeim, PhD</i> Room: East Ballroom A/B/C						
09:00-10:30	Plenary Lectures Room: East Ballroom A/B/C						
09:00-09:45	[PL01] Noninvasive neuromodulation with nanoparticle-mediated ultrasonic drug uncaging Raag Airan, MD PhD, <i>Stanford University, USA</i>						
09:45-10:30	[PL02] Can stimulation improve muscle force through plasticity in the spinal cord? Janet Taylor, MD, <i>Edith Cowan University (ECU), Australia</i>						
10:30-11:00	Refreshment break Room: Exhibitor Hall A						
11:00-12:45	Plenary Lectures Room: East Ballroom A/B/C						
11:00-11:45	[PL03] Tools for Noninvasively Controlling and Observing Neural Circuits Ed Boyden, PhD, <i>Massachusetts Institute of Technology, Cambridge, USA</i>						
11:45-12:45	[PL04] International Brain Stimulation Award Plenary Lecture: How to move an individual finger Mark Hallett, MD, <i>National Institute of Neurological Disorders and Stroke, USA</i>						
12:45-13:45	Lunch and Poster session 1 Room: Exhibitor Hall A						
Poster Session Sponsored by:  Rogue Research Inc.						Lunch Sponsored by: 	
Room	East Ballroom A	East Ballroom B	East Ballroom C	Meeting Room East 1	Meeting Room East 2/3	Meeting Room East 11/12	
13:45-15:45	Symposium session 1a: Targeting prefrontal cortical-subcortical circuitry with non-invasive neuromodulation and invasive stimulation in Bipolar Disorder and OCD: toward novel therapeutic interventions	Symposium session 1b: Non-invasive brain stimulation targeting neural drive to the lower limb	Symposium session 1c: Multimodal neuroimaging informs mechanisms of action for rTMS in depression	Symposium session 1d: Advanced tACS	Symposium session 4b: Noninvasive brain stimulation in dementia: from emerging biomarkers to novel therapeutic strategies	Symposium session 1f: Advances in Paired Non-Invasive Vagus Nerve Stimulation Ther	
15:45-16:15	Refreshment break Room: Exhibitor Hall B						
16:15-18:15	Symposium session 2a: New targets for rTMS: promising evidences in impulsive compulsive disorders	Symposium session 2b: Frontoparietal Electrophysiological Network and Neuromodulation	Symposium session 2c: ECT Now and Aiming Toward 2038: Recent Advancements and Speculations for the Centennial of the Bini-Cerletti Brain-Child	Symposium session 2d: Biomarkers for Invasive Stimulation of Focal Epilepsy: Theory, Modeling, and Results	Fast Track Symposium session 2e: Brain stimulation using depth and transcranial electrodes: Use in neuropsychiatry, modeling and validation	Fast Track Symposium session 2f: Advances in Pediatric and Neurodevelopmental Brain Stimulation	
18:15-20:00	Welcome Reception and Poster Session 1 Room: Exhibitor Hall B			Welcome Reception Sponsored by:  NeuroStar Advanced Therapy			

Tuesday, 26 February, 2019

08:30-10:00	Plenary Lectures Room: East Ballroom A/B/C					
08:30-09:15	[PL05] tDCS boosts Hebbian Plasticity Lucas Parra, PhD, <i>City University of New York, USA</i>					
09:15-10:00	[PL06] Using brain stimulation and neuroimaging to understand human motor plasticity in health and disease Charlotte Stagg, <i>University of Oxford, UK</i>					
10:00-10:30	Refreshment break Room: Exhibitor Hall A					
10:30-11:15	[PL07] Transcranial Brain Stimulation to Understand Neuronal Oscillations Til Ole Bergmann, PhD, <i>University Hospital Tübingen, Germany</i>					
11:15-12:00	[PL08] Imaging TMS-induced plasticity in animal models Dirk Jancke, PhD, <i>Ruhr-University Bochum, Germany</i>					
12:00-13:30	Lunch and Poster session 2 Room: Exhibitor Hall A <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Poster Session Sponsored by:</p>  <p>Rogue Research Inc.</p> </div> <div style="text-align: center;"> <p>Lunch Sponsored by:</p>  </div> </div>					
13:30-15:30	Workshops (Hands on Demonstrations and Round Table Discussions with Experts)					
Room	East Ballroom A	East Ballroom B	East Ballroom C	Meeting Room East 1	Meeting Room East 2/3	
13:30-15:30	Workshop 1: Center and At-Home Methods of tDCS	Workshop 2: Advanced TMS Methods – PAS, Theta Burst TMS	Workshop 3: Clinical Use of ECT	Workshop 4: Clinical Use of TMS	Workshop 5: Deep Brain Stimulation: Hot Topics and Demonstration	
15:30-16:00	Refreshment break Room: Exhibitor Hall A					
Room	East Ballroom A	East Ballroom B	East Ballroom C	Meeting Room East 1	Meeting Room East 2/3	Meeting Room East 11/12
16:00-18:00	Symposium session 3a: Transdiagnostic Theta Burst Stimulation – The Future is Now	Symposium session 3b: Individualized Brain Stimulation: Addressing Heterogeneity Across Modalities	Symposium session 3c: Induction of seizure-like events by brain stimulation	Symposium session 3d: Noninvasive Brain Stimulation in Addiction Medicine	Symposium session 3e: Improving the outcome of deep brain stimulation	Fast Track Symposium session 5e: New insights into precision medicine and target engagement in brain stimulation treatments: Electrophysiology, imaging and clinical predictors
18:45	Buses to depart convention centre					
19:30-22:00	Conference Dinner					

Wednesday, 27 February, 2019

08:30-10:00	Plenary Lectures Room: East Ballroom A/B/C					
08:30-09:15	[PL09] Do we know how DBS works and does it matter? Zelma Kiss, MD PhD, University of Calgary, Canada					
09:15-10:00	[PL10] NIBS in Disorders of Consciousness Aurore Thibaut, University of Liège, Belgium					
10:00-10:30	Refreshment break Room: Exhibitor Hall A					
10:30-11:15	[PL11] Precision Seizure Therapy: Towards safer and personalized depression care for the future Sarah Hollingsworth Lisanby, MD, NIH, United States					
11:15-12:00	[PL12] What's next for therapeutic rTMS? Highlights from an era of rapid progress Jonathan Downar, MD PhD FRCPC, Toronto Western General Hospital, Canada					
12:00-13:30	Lunch and Poster session 3 Room: Exhibitor Hall A <div style="text-align: center;">  Poster Session Sponsored by:  Rogue Research Inc. </div>					
Room	East Ballroom A	East Ballroom B	East Ballroom C	Meeting Room East 1	Meeting Room East 2/3	Meeting Room East 11/12
13:30-15:30	Symposium session 4a: New techniques in rTMS for Depression		Symposium session 4c: Enhancing cognition with tDCS combined with cognitive training	Symposium session 4d: How to use controlled TMS (cTMS)	Fast Track Symposium session 4e: Innovative techniques for non-invasive, low-energy, brain stimulation: from models to potential clinical applications	Fast Track Symposium session 4f: The Use Non-invasive Brain Stimulation to Target Cognition and Mood in Special Populations
15:30-16:00	Refreshment break Room: Exhibitor Hall A					
Room	East Ballroom A	East Ballroom B	East Ballroom C	Meeting Room East 1	Meeting Room East 2/3	Meeting Room East 11/12
16:00-18:00	Symposium session 5a: Enhancing Rehabilitation with Vagus Nerve Stimulation	Symposium session 5b: What can non-invasive stimulation tell us about concussion/traumatic brain injury? New evidence across the lifespan from children to adults	Symposium session 5c: Multimodal approaches as a key to personalized brain stimulation	Symposium session 5d: Neurophysiologic Biomarkers of Clinical Outcome of Repetitive Transcranial Magnetic Stimulation (rTMS) Treatment of Major Depressive Disorder	Fast Track Symposium session 5f: Novel approaches towards Precision medicine for Stroke recovery from motor and visual deficits	Symposium session 1e: Neuroethics and brain stimulation: open market or restraint?
18:00-18:15	Closing Remarks, Poster Award and Conference Summary Room: East Ballroom A					