Preliminary Scientific Program

Sunday, 24 February, 2019

09:00 - 17:00 Early Registration and Industry-Sponsored Workshops

Monday, 25 February, 2019

Overview of the Commonalities of the Methods: Focus on Basic Mechanisms

07:30 - 08:30 Registration

08:30 - 09:00 Opening Remarks, Harold A. Sackeim, PhD

Plenary Lectures:

09:00 - 09:45 Noninvasive neuromodulation with nanoscale-mediating ultrasonic drug uncaging

Raag Airan, MD PhD, Assistant Professor, Stanford University, USA

09:45 – 10:30 Can stimulation improve muscle force through plasticity in the spinal cord?

Janet Taylor, MD, Professor of Human Neurophysiology, Edith Cowan University (ECU), Australia

10:30 - 11:00 Mid-Morning Break

Plenary Lectures:

11:00 - 11:45 Tools for Noninvasively Controlling and Observing Neural Circuits

Ed Boyden, PhD, Massachusetts Institute of Technology, Cambridge, USA

11:45 - 12:45 International Brain Stimulation Award Plenary Lecture: How to move an individual finger

Mark Hallett, MD, National Institute of Neurological Disorders and Stroke, USA

12:45 - 13:45 Lunch, Poster Viewing Session 1
13:45 - 15:45  Parallel Symposia 1a-f
15:45 - 16:15  Midafternoon break
16:15 - 18:15  Parallel Sessions 2a-f
18:15 - 20:00  Welcome Reception and Poster Session 1

Tuesday, 26 February, 2019

Using Brain Stimulation Methods to Unlock How the Brain Works

Plenary Lectures
08:30 – 09:15  tDCS boosts Hebbian Plasticity
   Lucas Parra, PhD, City University of New York, USA
09:15 – 10:00  Title TBC
   Speaker TBC
10:00 - 10:30  Mid-Morning Break
10:30 - 11:15  Transcranial Brain Stimulation to Understand Neuronal Oscillations
   Til Ole Bergmann, PhD, University Hospital Tübingen, Germany
11:15 - 12:00  Title TBC
   Dirk Jancke, PhD, Ruhr-University Bochum, Germany
12:00 - 13:30  Lunch and Poster Viewing Session 2
13:30 - 15:30  Workshops (Hands on Demonstrations and Round Table Discussions with Experts)
   Center and At-Home Methods of tDCS, Marom Bikson, PhD & Adam Woods, PhD
   Advanced TMS Methods – PAS, Theta Burst TMS, John Rothwell, PhD & Ulf Ziemann, MD
   Clinical Use of ECT, Peter Rosenquist, MD & Harold A. Sackeim, PhD
State of the Art Clinical Applications of Brain Stimulation Methods

Plenary Lectures:
08:30 - 09:15  Do we know how DBS works and does it matter?
   Zelma Kiss, MD PhD, Deputy Editor, Neurosurgery, Brain Stimulation, University of Calgary, Calgary, Canada

09:15 – 10:00  NIBS in Disorders of Consciousness
   Aurore Thibaut, Coma Science Group, Cyclotron Research Centre, University of Liége, Belgium

10:00 - 10:30  Mid-Morning Break

Plenary Lectures:
10:30 - 11:15  Precision Seizure Therapy: Towards safer and personalized depression care for the future
   Sarah Hollingsworth Lisanby, MD, NIH, United States

11:15 - 12:00  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 Viewing Session 3
13:30 - 15:30  Parallel Sessions 4 a-f
15:30 - 16:00  Midafternoon Break
16:00 - 18:00  Parallel Sessions 5 a-f
18:00 - 18:15  Closing Remarks, Poster Award and Conference Summary