13th International Workshop on Advances in Electrocorticography

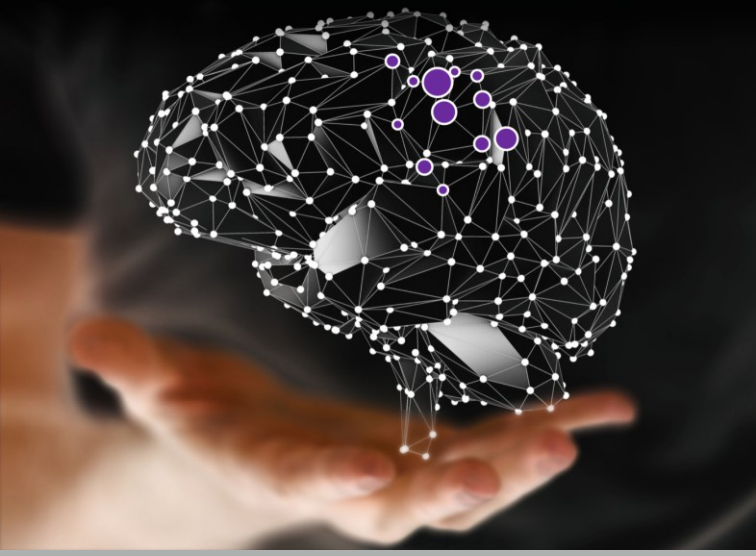
Thursday, Nov. 30, 2017 in Washington, DC, USA

Organized by:
Anthony Ritaccio, MD, Gerwin Schalk, PhD, Christoph Guger, PhD

Venue:
Embassy Suites by Hilton Washington DC Convention Center
900 10th Street NW, Washington, DC, 20001, USA

In conjunction with:

AES ANNUAL MEETING 2017 WASHINGTON, D.C. DECEMBER 1-5



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Supported by:

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NCAN National Center for Adaptive Neurotechnologies

13th International Workshop on Advances in Electrocorticography, Nov. 30, Washington, DC

Workshop Schedule

8:00-8:15 AM
Welcome and Introduction
Anthony Ritaccio, MD, and Christoph Kapeller, PhD

8:15-9:00 AM
The history of functional mapping and brain stimulation
Ronald Lesser, MD, Professor of Neurology
Johns Hopkins University, USA

9:30-10:15 AM
Scientific and engineering principles of functional ECoG mapping
Christoph Kapeller, PhD, Guger Technologies OG, Austria

10:45-11:30 AM
Passive ECoG mapping in the epilepsy monitoring unit
Anthony Ritaccio, MD, Director of Epilepsy and Human Brain Mapping Program, Albany Medical College, USA

12:00-12:45 PM
Adaptive neuromodulation in epilepsy and other disorders
Kai Miller, MD, PhD, Neurosurgery Residency
Stanford School of Medicine, Stanford Hospital & Clinics, USA

12:45-1:45 PM Lunch

1:45-2:30 PM
Improving ECoG mapping accuracy: Cortical stimulation-guided deep learning approach
Milena Korostenskaja, PhD, Neuroscientist and Head of Functional Brain Mapping and BCI Lab, Florida Hospital for Children, Orlando, USA

3:00-3:45 PM
Passive mapping and network analysis with ECoG
Kyousuke Kamada, MD, PhD, Professor and Chairman of the Department of Neurosurgery, Asahikawa Medical University, Japan

4:15-5:00 PM
ECoG based pediatric mapping – The evolution of signals
Jeffrey Ojemann, MD, Director of Epilepsy Surgery, Division Chief of Neurosurgery, Seattle Children's Hospital, USA

5:30-6:15 PM
Chronic intracranial EEG monitoring and responsive neurostimulation
Lawrence Hirsch, MD, Professor of Neurology, Co-Director of Comprehensive Epilepsy Center, Yale University School of Medicine, USA

6:15 -6:30 PM
Closing Remarks and Discussion
Anthony Ritaccio, MD and Christoph Kapeller, PhD

Please register for this workshop at https://goo.gl/4uwdY6