November 10, 2017

Symposium#4: Neurotechnology for Rehabilitation

09:00 - 10:45 AM

Ted Berger, University of Southern California A Hippocampal Prosthesis For Human Memory

James Weiland, University of Michigan Retinal Prosthesis For the Blind

Jack Judy, University of Florida Integrating Microelectrode Arrays into Tissue-Engineered Scaffolds For Novel Neural Interfaces

Coffee Break		10:45 - 11:00 AM
Keynote		11:00 AM - Noon
G	Mark Chevillet, Facebook Designing a Silent Speech Interface	

Symposium#5: Neurocomputation and Modeling

Lunch Break

01:00 - 03:00 PM

Noon - 01:00 PM

John White, Boston University Autonomous Synchronous Activity in Isolated Hippocampus

Loren Frank, University of California, San Francisco New Tools For Understanding Distributed Patterns of Brain Activity

Cynthia Chestek, University of Michigan Neural Interfaces For Controlling Finger Movements

Maryam Shanechi, University of Southern California Decoding Mood From Human Multisite Brain Activity

Coffee Break 03:00 - 03:15 PM Symposium#6: Global Neurotechnology Industry 03:15 - 05:15 PM

James Harris, Inscopix Reflections on Building a Neurotechnology Company in the 21st Century

Chad Bouton, Feinstein Institute **Bioelectronic Medicine**

Matthew Angle, Paradromics Broadband For the Brain

Daryl Kipke, NeuroNexus Tapping Into the Nervous System: Challenges and Opportunities For Neurotechnologies In Neuroscience and Bioelectronics

Closing Remarks

05:15 - 05:30 PM

Paul Sajda, Chair, IEEE Brain Initiative Metin Akay, Chair, ANTBI Workshop

Function

Coffee Break

03:00 - 03:15 PM

Symposium#3: Engineering Next Generation BCI 03:15 - 05:00 PM

Krishna Shenoy, Stanford University Intra-cortical Motor BMIs

Jacob Robinson, Rice University Nanotechnologies For Miniaturizing Electrical and Optical BCI

Jon Viventi, Duke University High-Resolution Neural Interfaces Using Flexible Silicon Electronics