20th Annual SBMT World Congress
Neuromodulation Conferences 2023:
Room TBD

Organized by:
Theodore W. Berger, Peter Schmidt, Yousef Salimpour,
Mark Liker, and Babak Kateb

Thursday February 16th, 2023

10:00 - 11:30 AM PST  
BCI: NEURAL ENGINEERING XX: ARTIFICIAL RETINA
Presented by:
James Weiland
Adjunct Professor of Biomedical Engineering
USC
Theodore W. Berger
David Packard Chair in Engineering
Professor of Biomedical Engineering
USC

1:00 - 2:30 PM PST  
NEUROMODULATION: NEUROMODULATION IN NEUROLOGICAL DISORDERS
Presented by:
Peter Schmidt
NYU Grossman School of Medicine
Adjunct Professor of Neurology
Mark Liker
California Neurosurgical Institute
Neurosurgeon & Spine Surgeon

3:30 - 5:00 PM PST  
BCI: NEURAL ENGINEERING XX: COMPUTATIONAL MODELS FOR NEURAL PROSTHESIS
Presented by:
Jean Marie Charles Bouteiller
Research Associate Professor of Biomedical Engineering
USC.
Theodore W. Berger
David Packard Chair in Engineering
Professor of Biomedical Engineering
USC.
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Friday February 17th, 2023

10:00 - 11:30 AM PST
NEUROMODULATION: NEUROMODULATION IN PSYCHIATRIC DISORDER
Presented by:
Yousef Salimpour
Johns Hopkins School of Medicine
Assistant Professor of Neurosurgery

Gwenn Smith
Johns Hopkins Bayview Medical Center
Director, Division of Geriatric Psychiatry and Neuropsychiatry

1:00 - 2:30 PM PST
BCI: NEURAL ENGINEERING XX: NEW NEURAL INTERFACE TECHNOLOGIES FOR RECORDING AND STIMULATION
Presented by:
Dong Song
Research Associate Professor of Biomedical Engineering
USC

Theodore W. Berger
David Packard Chair in Engineering
Professor of Biomedical Engineering
USC.

3:30 - 5:00 PM PST
NEUROMODULATION: RECENT ADVANCES IN NEUROMODULATION TECHNOLOGIES
Presented by:
Yousef Salimpour
Johns Hopkins School of Medicine
Assistant Professor of Neurosurgery

Christa Habela
John M. Freeman Pediatric Epilepsy Center at Johns Hopkins
Assistant Professor of Neurology

Saturday February 18th, 2023

10:00 - 11:30 AM PST
BCI: NEURAL ENGINEERING XX: ADDRESSING CHALLENGES IN COCHLEAR IMPLANTS
Presented by:
Theodore W. Berger
David Packard Chair in Engineering
Professor of Biomedical Engineering
USC.

1:00 - 2:30 PM PST
NEUROMODULATION: ADVANCES IN MOVEMENT DISORDERS: DBS AND BEYOND
Presented by:
Mark Liker
California Neurosurgical Institute
Neurosurgeon & Spine Surgeon

Yousef Salimpour
Johns Hopkins School of Medicine
Assistant Professor of Neurosurgery

3:30 - 5:00 PM PST
BCI: NEURAL ENGINEERING XX: ADVANCES IN MOTOR PROSTHESIS
Presented by:
Theodore W. Berger
David Packard Chair in Engineering
Professor of Biomedical Engineering
USC.
20th Annual SBMT World Congress
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Sunday February 19th, 2023

10:00 - 11:30 AM PST  NEUROMODULATION: APPLICATION OF BCI IN ADVANCING NEUROMODULATION TECHNOLOGY
Presented by:  Yousef Salimpour
Johns Hopkins School of Medicine
Assistant Professor of Neurosurgery
Jeff C. Liu
University of Virginia School of Medicine
Director of the Human Brain Function Lab

1:00 - 2:30 PM PST  BCI: NEURAL ENGINEERING XX: NEUROMORPHIC COMPUTING
Presented by:  Theodore W. Berger
David Packard Chair in Engineering
Professor of Biomedical Engineering
USC.
Gregory Clark
Professor, Biomedical Engineering
The University of Utah