



WSSFN



18TH
BIENNIAL MEETING OF THE
WORLD SOCIETY FOR
STEREOTACTIC AND
FUNCTIONAL NEUROSURGERY



HILTON MIDTOWN
NEW YORK CITY

JUNE 24-27
2019

WS06 Engineering and Functional Neurosurgery Workshop

Monday, June 24, 2019

The goal of this workshop is to provide interactive examples of engineers and neurosurgeons working hand-in-hand to address scientific questions and generate clinically useful technology. Each talk will be a coupled presentation given by an engineer/neurosurgeon collaborative team that highlights their innovative approach to technology development and application for functional neurosurgery. These examples will then spur participant discussion on strategies and best practices for generating their own engineering-based collaborative projects.

13:30 - 17:30

Grand Ballroom East

Coordinator: Cameron McIntyre (USA)

Chair: Cameron McIntyre (USA)

Chair: Peter Konrad (USA)

Closed Loop Neurostimulation

Invited Speaker: Nadar Pouratian (USA)

Closed Loop Neurostimulation

Invited Speaker: Nanthia Suthana (USA)

Seizure prediction models – Signal processing

Invited Speaker: TBA

Seizure prediction models – Signal processing

Invited Speaker: Tim Lucas (USA)

Connectomic Surgical Targeting

Invited Speaker: Bob Gross (USA)

Connectomic Surgical Targeting

Invited Speaker: Cameron McIntyre (USA)

Imaging Database and targeting

Invited Speaker: Pierre D'Haese ()

Imaging Database and targeting

Invited Speaker: Peter Konrad (USA)

Hand On Interaction with Holomate and Connectomic Targeting

Invited Speaker: Jennifer Sweet (USA)

Hand On Interaction with Holomate and Connectomic Targeting

Invited Speaker: Hong Yu (USA)

Applications of robotics to Functional neurosurgery

Invited Speaker: Eric Barth (USA)

Applications of robotics to Functional neurosurgery

Invited Speaker: Will Grisholm (USA)

Applications of robotics to Functional neurosurgery

Invited Speaker: Joseph Neimat (USA)

A realistic view of BMI, what the field has taught us

Invited Speaker: Jaimie Henderson (USA)

A realistic view of BMI, what the field has taught us

Invited Speaker: TBA

Nanotechnology in its applications in surgery

Invited Speaker: TBA



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Biomaterials and Miniaturization

Invited Speaker: Nandan Lad (USA)