

Tentative Program

AI & Technological Innovation	September 5 (Mon.)
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Place: Room D (2F)

Session Time: 15:00-16:00

FP-M-D-1	15:00-15:05
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Long-Term Monitoring of Tonic Neurotransmitter in Behaving Animal's Brain with Mcsvv

Presenter: Hyunu Cho (Korea, Republic of)

Co-Authors: Hyunu Cho, Cheonho Park, Sang Mun Hwang, Youngjong Kwak, Haeun Kwon, Dong-Pyo Jang

FP-M-D-2	15:05-15:10
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Using Deep Learning Algorithm to Describe the Abnormal Behavior of Hallucination-Model Macaque

Co-Authors: Jie Liu

FP-M-D-3	15:10-15:15
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Using LFP Based Evoked Potentials to Predict Distance to Target Sweet Spot in Pd Patient Implanted with Directional DBS Leads

Presenter: Tine Van Bogaert (Belgium)

Co-Authors: Tine Van Bogaert, Jana Peeters, Alexandra Boogers, Bart Nuttin, Philippe De Vloo, Myles Mc Laughlin

FP-M-D-4	15:15-15:20
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Predictability of the Effective Contact Point with the Help of Beta Band Local Field Potentials Obtained from Percept PC Device While Programming in Advanced Parkinson's Disease Patients

Presenter: Manish Baldia (India)

Co-Authors: Manish Baldia, Pettarusp Wadia, Bharati Karkera, Vaibhav Mathur, Paresh Doshi



FP-M-D-5

15:20-15:25

New Robotic Manipulator for the Stereotactic Neurosurgery

Presenter: Viktor Peskov (Russian Federation)

Co-Authors: Andrey Kholyavin, Viktor Peskov

FP-M-D-6

15:25-15:30

Pediced Omental Transposition for Recurrent Skin Erosion Following Deep Brain Stimulation without Hardware Removal

Presenter: Haonan Guan (China)

Co-Authors: Haonan Guan, Yixin Pan, Peng Huang, Jiajun Tang, Shuliang Lu, Bomin Sun

FP-M-D-7

15:30-15:35

An Automated Approach to Gamma Knife Radiosurgery Treatment Planning Using Stochastic Optimization

Presenter: Matthew Walker (Canada)

Co-Authors: Matthew Walker, Mehrdad Malekmohammadi, Catherine Coolens, Normand Laperriere, Robert Heaton, Ali Sheikholeslami, Mojgan Hodaie

FP-M-D-8

15:35-15:40

The Contributing Effect of Skull Shape in Successful Treatment of MRgFUS Lesioning

Presenter: Kyung Won Chang (Korea, Republic of)

Co-Authors: Kyung Won Chang, Yuhee Kim, Itay Rachmilevitch, Hyun Ho Jung, Won Seok Chang, Jin Woo Chang

FP-M-D-9

15:40-15:45

Cortical Phase-Amplitude Coupling is Key to the Occurrence and Treatment of Freezing of Gait

Presenter: Zixiao Yin (China)

Co-Authors: Zixiao Yin, Guanyu Zhu, Yuye Liu, Baotian Zhao, Quan Zhang, Yin Jiang, Jianguo Zhang

**FP-M-D-10****15:45-15:50**

Asleep DBS for Tremor Targeting Prelemniscal Fibers Using Direct Visualization, Fiber-Tracking, Directional Leads, and Frame-Based Stereotaxy

Presenter: Craig van Horne (United States)

Co-Authors: Craig van Horne, Tripp Hines, Dhanunjaya Rao Ginjupally, George Quintero, Greg Gerhardt, John Slevin, Ashley Guiliani, Jaimie Hixson, Sarah Thomas

FP-M-D-11**15:50-15:55**

Preferred Area of Simulation in Patients Used Double-Target DBS for Tremor Treatment.

Presenter: Atilla YILMAZ (Turkey)

Co-Authors: Atilla YILMAZ, Murteza Cakir, Patric Blomstedt

FP-M-D-12**15:55-16:00**

Impact of Deep Brain Stimulation on Sagittal Balance in Subjects Affected by Parkinson's Disease

Presenter: Ciro Mastantuoni (Italy)

Co-Authors: Teresa Somma, Paolo Cappabianca, Cinzia Baiano, Ciro Mastantuoni, Vincenzo Meglio, Maria Rosaria Scala, Felice Esposito