



TEHRAN UNIVERSITY
OF
MEDICAL SCIENCES
SCHOOL OF ADVANCED
TECHNOLOGIES IN MEDICINE

Applied Bioengineering to Clinical Neuroscience

Neurosurgery, Neuroimaging, Neural
Electrophysiology, Modeling, Stimulation

September 29 - 30, 2016

(۸ - ۹ مهرماه)

Tehran, Iran

سالن همایش های ستاد مرکزی دانشگاه علوم پزشکی تهران



Register at:
abcn2016.ir



Emad N. Eskandar, M.D.

Professor of Neurosurgery, Harvard Medical School
Director of Stereotactic and Functional Neurosurgery
Laboratory, Massachusetts General Hospital



Darin D. Dougherty, M.D.

Associate Professor of Psychiatry, Harvard Medical School
Director of Division of Neuro-Therapeutics, Department
of Psychiatry



Alik S. Widge, Ph.D., M.D.

Assistant Professor of Psychiatry, Harvard Medical School
Director of Translational Neuro-Engineering Laboratory,
Massachusetts General Hospital



Rose T. Faghih, Ph.D.

Postdoctoral Associate, Picower Institute for Learning and
Memory, Massachusetts Institute of Technology
Assistant Professor, Department of Electrical and
Computer Engineering, University of Houston



Ali Yousefi, Ph.D.

Research Fellow, Harvard Medical School
Postdoctoral Associate, Department of Mathematics and
Statistics, Boston University



Reza Lashgari, Ph.D.

Faculty member, School of Cognitive Sciences
Institute for Research in Fundamental Sciences (IPM),
Tehran, Iran



Mahdi Tehrani Doost, Ph.D.

Faculty member, Institute for Cognitive Science Studies
Tehran University of Medical Sciences, Tehran, Iran



Thursday's Program September 29, 2016 Conference room

- 8:15 - 8:30** Dr. Alireza Ahmadian
Opening Remarks
- 8:30 - 8:45** Dr. Hamidreza Saligheh-Rad
Introduction to ISMRM Iranian Chapter
- 8:45 - 9:00** Dr. Mohammad Reza Ay
Introduction to NBML
- 9:00 - 10:30** Dr. Darin D. Dougherty
Status of Neuro-stimulation in Psychiatric Disorders
- 10:30 - 11:30** Dr. Mahdi Tehrani Doost
Social Brain in Psychiatric Disorders
- 12:00 - 13:30** Lunch and Break
- 13:30 - 14:30** Dr. Reza Lashgari
*Functional Properties of Neuronal Population Activity in Awake
Behaving Visual Cortex*
- 14:30 - 15:30** Dr. Rose T. Faghih
*System Identification of Cortisol Secretion: Characterizing
Pulsatile Dynamics*
- 15:30 - 16:30** Dr. Gholam Ali Hosseinzadeh
Mapping the Brain with Resting State fMRI

Friday's Program September 30, 2016 Conference room

- 9:00 - 10:30** Dr. Ali Yousefi
*Mathematical Models to Predict Cognitive State and their
Applications in Closed-loop Brain Stimulation*
- 10:30 - 12:00** Dr. Alik S. Widge
*Closed-loop Control of Mental Flexibility and Emotion
Regulation with Electrical Brain Stimulation*
- 12:00 - 13:30** Lunch and Break
- 13:30 - 15:00** Dr. Emad N. Eskandar
*Closed-loop Control of Learning and Impulsivity with Electrical
Brain Stimulation*
- 15:00 - 16:30** Discussion Panel
*Future Challenges in Clinical Neuroscience
Potential of Collaborative Research*
- 16:30 - 17:00** Dr. Hamidreza Saligheh-Rad
Closing Statement

Executive Committee: Scientific Committee:

Alireza Ahmadian	Ali Yousefi
Hamidreza Saligheh Rad	Ali Yoonessi
Seyed Nasrollah Tabatabaei	Mehdi Tehrani Doost
Reza Kakooee	

