

# Brain Networks Symposium

Tuesday, 27 October 2015, Faculty of Engineering, Ferdowsi University of Mashhad

Dr. Ali Asadollahi (Biology Department, Rayan Center for Neuroscience and Behavior, Ferdowsi University of Mashhad)

**Introducing Rayan Center for Neuroscience and Behavior**

**8:45-9:05**

Keynote speaker: Prof. Gyorge Buzaki (The Neuroscience Institute, New York University, NY.)

**Emergence and mechanisms of cognition**

**9:05-10:05**

Break

**10:05-10:30**

Dr. Gholam-Ali Hossein-Zadeh (Electrical Engineering Department, University of Tehran)

**Connectivity inspired brain decoding by fMRI**

**10:30-11:05**

Dr. Alireza Valizadeh (Physics Department, Institute for Advanced Studies in Basic Sciences, Zanjan)

**How communication delay affects the collective behavior of neural networks**

**11:05-11:40**

Dr. Maryam Ghorbani (Electrical Engineering Department, Rayan Center for Neuroscience and Behavior, Ferdowsi University of Mashhad)

**Dynamics of neocortical transverse micro-electric fields and their ephaptic coupling**

**11:40-12:15**

