

Invitation

November 12

Neurotechnology

Brain network analysis and its applications to brain disorders assessment

Most of the previous neurotech researches solely concentrate on single neurons within small brain areas rather than analyzing the communication between different regions. The actual brain operation, however, is a high interconnection, so more useful and informative features are acquired only if we take into account the relationships among various sources of brain signal.

The theory of network analysis provides an effective tool to investigate the interaction of different areas within the brain, which is modeled as a complex network. This approach has been widely applied to a variety of brain disorder diagnosis. The purpose of this presentation is to provide some basic concepts and state-of-art researches on complex brain network analysis as well as its application to brain disorders assessment.

Time: 3:30pm-4:30pm, Tuesday, November 12, 2019

Venue: G2-315, 144 Xuan Thuy, Cau Giay, Hanoi

Tran Xuan Tuyen

**Signal and System laboratory,
UET, VNU**



Tran Xuan Tuyen received B.Sc. degree in Electronics and Telecommunications from University of Engineering and Technology (UET), Vietnam National University (VNU) in 2019. He is now a research and teaching assistant at the Signal and System laboratory within VNU-UET. His research interests include neurotechnology, machine learning applied to signal processing.

Email: xuantuyen2901@gmail.com