- Title of the invited session

 Mapping human connectome based on multimodal MRI

- Justification

The human brain is a complex network. Human connectome study focuses on the comprehensive description of the network of elements and connections forming the human brain, which is fundamentally important in cognitive neuroscience and neuropsychology. The connectome will significantly increase our understanding of how functional brain states emerge from their underlying structural substrate, and will greatly expand our knowledge of network topology and dynamics in the healthy, developing, aging, and diseased brain. More recent advances in living subjects has been made by the use of non-invasive magnetic resonance imaging (MRI) technologies such as structural MRI, functional MRI, and diffusion tensor imaging (DTI). The proposed session will provide a platform to discuss recent progress in mapping structural and functional brain networks based on multimodal MRI techniques, and its relation to particular behavioral traits or disordered processes in the brain.

- Short bio of the proposers together with contact email addresses

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**Lubin Wang** received the B.Sc., M.Sc. and Ph.D degrees from the National University of Defense Technology in 2005, 2007 and 2012, respectively. From 2013, he was an assistant research fellow in cognitive and mental health research Center, Beijing Institute of Basic Medical Sciences. He was promoted associate professor in 2016. His research interests include brain image/signal processing, cognitive neuroscience, and machine learning. He has over 30 papers and 1 academic prize in the areas of his interests.

- List of at least six potential contributors

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