

Workshop/Special Session List

December 13th 14:30-18:00

Parallel Session 1

Special Session on Brain Imaging Studies of Young Minds

Organizers:

Zhi Yang, Shanghai Mental Health Center, Shanghai Jiao Tong University, China

Shaozheng Qin, Beijing Normal University, China

Invited Talks:

“Neural Specialization with Generalizable Representations Underlies Children’s Cognitive and Affective Development”

Shaozheng Qin, Beijing Normal University, China

“Anxiety Disorder and Non Suicidal Self Injury Behavior in Adolescents”

Wenhong Cheng, Shanghai Mental Health Center, China

“Resting-State EEG and Its Applications in Brain Cognitive Development”

Xu Lei, Southwest University, China

“The X-Chromosome Effect on Human Brain Development: Evidence from Turner Syndrom Girls”

Gaolang Gong, Beijing Normal University, China

“Neuroimaging Studies of Social Anxiety Disorder in Children and Adolescents”

Zhi Yang, Shanghai Mental Health Center, China

Parallel Session 2

Special Session on Learnable Representation and Analytics of Neuroimaging

Organizers:

Jiannong Cao, Hong Kong Polytechnic University, China

Senzhang Wang, Nanjing University of Aeronautics & Astronautics, China

Jiating Zhu, Hong Kong Polytechnic University, China

Ming Liu, University of Electronic Science and Technology of China, China

Daoqiang Zhang, Nanjing University of Aeronautics & Astronautics, China

Invited Talks:

“Learning and Self-Organisation in Signal Processing for Neuroimaging”

Michael Herrmann, The University of Edinburgh, UK

“Machine Learning for Brain Network Analysis”

Daoqiang Zhang, Nanjing University of Aeronautics & Astronautics, China

Parallel Session 3

Multicenter MRI: How Different Could You Be from Me?!

Organizers:

Hongjian He, Zhejiang University, China

Jianhui Zhong, Zhejiang University, China

Invited Talks:

“Cross-Species Comparative Brain Connectomics in Primates”

Zheng Wang, Institute of Neuroscience, Chinese Academy of Sciences, China

“Reproducibility of Functional Brain Alterations in Major Depressive Disorder Revealed by Multisite Datasets”

Mingrui Xia, Beijing Normal University, China

To be announced...

Yuanjing Feng, Zhejiang University of Technology, China

To be announced...

Baoci Shan, Institute of High Energy Physics, Chinese Academy of Science, China

“Chinese1000: Multimodal Structural Brain Atlas of Chinese Populations”

Peipeng Liang, Capital Normal University, China

“Multicenter Diffusion MRI with Traveling Subjects”

Jianhui Zhong, Zhejiang University, China

“Harmonization of Multicenter Diffusion Kurtosis Imaging Data Using Deep Learning: Training Data Dependence”

Qiqi Tong, Zhejiang University, China

“Reliability of Brain Structural Volume and Asymmetry Measurements in Three Traveling Subjects: A Multisite MP2RAGE Prospective Study”

Jiachen Du, Capital Normal University, China

“A Center-Node Cooperation Network of Multi-Modal and Multi-Dimensional Brain Data from Many Sources for Sharing and Management”

Riji Cai, Shanghai Chenglan Data Technology, China

Parallel Session 4

Special Session on Imaging Brain Networks in Psychiatric Disorders

Organizers:

Mingrui Xia, Beijing Normal University, China

Fei Wang, China Medical University, China

Invited Talks:

“Biomarker Identification and Individualized Prediction Based on Neuroimaging Big Data”

Jing Sui, Institute of Automation, Chinese Academy of Science, China

“Identifying Novel Biomarkers and Biotypes across Major Psychiatric Disorders Using Deep Learning Approach”

Miao Chang, China Medical University, China

“Brain Connectome Big Data Reveals Transdiagnostic Network Dysfunction across Psychiatric Disorders”

Mingrui Xia, Beijing Normal University, China

“The Challenges and Prospective Solutions of Neuroimaging in Major Psychiatric Disorders”

Fei Wang, China Medical University, China

Parallel Session 5

The 1st International Workshop on Computational Brain Image Analysis and Genomics

Organizers:

Lei Du, Northwestern Polytechnical University, China

Shijie Zhao, Northwestern Polytechnical University, China

Tuo Zhang, Northwestern Polytechnical University, China

Xintao Hu, Northwestern Polytechnical University, China

Invited Talks:

“Genetically Evolved Cluster Algorithm in Image Genetics”

Xia'an Bi, Hunan Normal University, China

“Linked Social-Communication Dimensions and Connectivity in Functional Brain Networks in Autism Spectrum Disorder”

Xujun Duan, University of Electronic Science and Technology of China, China

Parallel Session 6

Special Session on Neurophysiological Signal and Information Processing for Healthcare Engineering

Organizers:

Xun CHEN, University of Science and Technology of China, China

Peng XU, University of Electronic Science and Technology of China, China

Jing JIN, East China University of Science and Technology, China

Invited Talks:

“Self-Powered Bioelectronics for Sensing and Stimulation in Neuro”

Zhou LI, Beijing Institute of Nanoenergy and Nanosystems, China

“Dynamics Modelling for Cortical Neural Signals in Motor Brain-Machine Interfaces”

Yueming WANG, Zhejiang University, China

“Inferring Brain Effective Connectivity in Epilepsy sEEG Signals”

Chunfeng YANG, Southeast University, China

Parallel Session 7

International Workshop on Computational Neuroaesthetics

Organizers:

Junsong Zhang, Central China Normal University, China

Rui Li, Xiamen University, China

Invited Talks:

“A Survey of Image Quality Assessment Methods”

Chunxia Xiao, School of Computer, Wuhan University, China

“Artistic Stylization with Deep Neural Networks”

Jing Liao, Department of Computer Science, City University of Hong Kong, China

“What is Beauty without Awareness?”

Weina Zhu, Yunnan University, China

Parallel Session 8

International Workshop on Brain Health Big Data and Brain-Machine Intelligence in the 5G Era

Organizers:

Guoming Luan, Capital Medical University, China
Guangzhong Yin, Suzhou Guangji Hospital, China
Yong Shi, Chinese Academy of Sciences, China
Huabei Chen, Aomori University, Japan
Ning Zhong, Maebashi Institute of Technology, Japan

Invited Talks:

To be announced...

December 15th 8:00-15:30

Parallel Session 1

International Workshop on Neuroscience and Brain Rehabilitation

Organizers:

Yue Lan, South China University of Technology, China

Invited Talks:

“Transcranial Magnetic Stimulation and Swallowing Cortex Neuromodulation”

Lan Yue, Guangzhou First People's Hospital, South China University of Technology, China

“Non-Invasive Brain Stimulation: from Project Design to A New Strategy for Rehabilitation”

Xu Guang-qing, Beijing Tiantan Hospital, Capital Medical University, China

“Cortical Plasticity and Neuromodulation”

Yuan Tifei, Shanghai Mental Health Center, China

“Precision Neuromodulation and Movement Disorders”

Zheng Zhong, West China hospital of Sichuan University, China

“Short-Latency Afferent Inhibition and Its Application in Neurorehabilitation”

He Xiaokuo, Xiamen the Fifth Hospital, China

“Rehabilitation Therapies for Mild Cognitive Impairment”

Shen Ying, The First Affiliated Hospital of Nanjing Medical University, China

Parallel Session 2

Special Session on Computational Social Analysis for Mental Health

Organizers:

Xiaohui Tao, University of Southern Queensland, Australia

Maria Flavia Guinazu, University of Chile, Chile

Juan D. Velásquez, University of Chile, Chile

Invited Talks:

“Multi-View Text Representation and Genetic Algorithm based Ensemble Learning”

Xiaoying Gao, Victoria University of Wellington, New Zealand

To be announced...

Xin Li, Research director, Iflytek Co.Ltd , China

“A Subgraph Isomorphism Algorithm for Privacy Preserving in Dynamic Social Network”

Jing He, Swinburne University of Technology, Australia

Parallel Session 3

The 2nd International Workshop on Cognitive and Neuromodulation Communicative and Innovative Symposium

Organizers:

Zhiqi Mao, Chinese PLA General Hospital, China

Invited Talks:

To be announced...