Reza Khosrowabadi

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Assistant Professor of Cognitive modeling at the Institute for cognitive and brain sciences, Shahid beheshti university, Tehran, Iran (since 2015)

EDUCATION

Postdoc research fellow (Jan 2014- Mar 2015)
Institute for cognitive and brain sciences, Shahid beheshti university, Tehran, Iran
Major field of research: Modeling of Neurodevelopmental Process in Infancy Period
Advisor: Prof. Hamidreza Pouretemad

Postdoc research fellow (Feb 2012- Dec 2013)
A*STAR - Neuroscience Research Partnership (NRP)
Duke-NUS Graduate Medical School, Singapore
Major field of research: Neuroimaging in Behavioural Disorders
Advisor: Assistant Prof. Helen Zhou

PhD Degree (Aug 2007- Jan 2012)
Major field of study: Computer science (Computational intelligence)
Nanyang Technological University, Singapore
Thesis: "Modeling of emotion based on EEG signal"
Supervisor: Associate Prof. Quek Hiok Chai

Bachelor's Degree (Feb 1998- Feb 2002)
Major field of study: Biomedical Engineering (Bio-electronics)
Sahand University of Technology, Iran
Thesis: "Designing an ECG device with PC interface ability"
Supervisor: Prof. Mohammad Hossein Sedaghi

TEACHING EXPERIENCE

Assistant professor at the Institute for cognitive and brain sciences, Shahid beheshti university, Tehran, Iran (Feb 2014-present)
-   Cognitive assessment I,II
-   Biomedical signal processing
-   Pattern recognition
-   Machine learning
-   Digital Signal Processing
-   Advanced topics in cognitive modeling
-   Smart assistive technologies
-   Special topics in cognitive rehabilitation

Instructor of International Brain Research Organization (IBRO) school, Tehran, Iran (2015)
-   Electroencephalography in human brain mapping

Tutor at the Iranian Academic Centre for Education, Culture and Research, Tehran, Iran (Jan 2007)
and at the Institute for Training of Medical Devices Tehran, Iran (Aug 2003-Jan 2004)
-   Basics of medical devices: theory and practice

Teaching assistant at the Sahand University of Technology, Tabriz , Iran (Jan 2001), Signals and systems

RELATED WORKING EXPERIENCE

Research Fellow
A*STAR - Neuroscience Research Partnership (NRP) Singapore (Feb 2012-Nov 2013)
Application and service Engineer
Akbarieh Co. (*Roche Co.* agency in Iran)
Tehran, Iran (2004-2007)
Service Engineer
501 hospital, Tehran, Iran, (2003-2004)
Shariati Hospital (Internship) Tehran, Iran
3 months
Medical Product Distribution Co. (Industrial attachment), Tehran, Iran
3 months
Fard Avar Co. (Industrial attachment), Tehran, Iran
4 months

SOFTWARE & PROGRAMMING

Matlab, C/C++, EEGLab, HERMES, BCT, GAT, SPM, FSL, AFNI,SPSS

HONORS & AWARDS

- NTU Scholarship for PhD study from August 2007 to August 2011
- IJCNN 2009 Student Travel Grant
- IEEE CIS IJCNN 2011 Student Travel Grant IEEE CIS
- Research fellowship at DUKE-NUS graduate medical school from Feb 2012-Nov 2013
- OHBM 2013 Postdoc Trainee Abstract Travel Award
- Research fellowship grant from CSTC-Iran form Feb 2014 to Mar 2015
- National talent award-Iran, April 2015
- Research stay travel grant from DAAD, Germany-August 2015
- Young researcher award from Shahid Beheshti University, 2015
- Tier2 project grant from National brain mapping Center, Feb 2015-Feb 2016
- Tier1 project grant from CSTC-Iran, Nov 2015- Nov 2018
- Project grant form Iran-Brazil collaborative research desk, Aug 2019-Aug 2021
- Expert grant from the national talent association, Sep 2020
- FENS 2018, travel award from CSTC-Iran
- Advisor of Foreign Affairs Committee: Cognitive Science and Technologies Council of Iran, 2017
- Scientific Advisor at the Converging Technologies Council of Iran, 2017
- Scientific Advisor at the Iran National Brain Mapping Lab, 2017
- Instructor of Cognitive Neuroscience School at the International Brain Research Organization (IBRO), 2015, 2016, 2017
- Editorial Board of Basic and Clinical Neuroscience Journal since 2018
- Editorial Board of Journal of advances in cognitive science, since 2019
- Member of Board of Directors at the National Brain Mapping Center, 2014, 2015, 2019, 2020

RESEARCH EXPERIENCES

Book
Reza Khosrowabadi, Saleh Zamani Nejad*," Biomedical Engineering: Essential, application and service of medical devices",* Tehran: Modarresan Sharif, 2006.*' in persian'*

Journal papers
Abdul Wahab, Norhaslinda Kamaruddin, LK Palaniappan, Ma Li, Reza Khosrowabadi, "EEG signals for emotion recognition," Journal of Computational Methods in Sciences and Engineering, 2010, 10, 1-11.

Reza Khosrowabadi, Chai Quek, Kai Keng Ang, Abdul Wahab, "ERNN: A biologically inspired feed-forward neural network to discriminate emotion from EEG signal," IEEE Transaction on neural networks and learning systems, 2014, 25 (3), 609 - 620.

Reza Khosrowabadi, Chai Quek, Kai Keng Ang, Abdul Wahab, Shen-Hsing Annabel Chen*,* "Dynamic screening of autistic children using connectivity between the brain regions estimated by EEG correlates of perception of affective faces," Applied Soft Computing, 2015, 32, 335-346.

Farnaz Mohammadi, Mohammad Rostami, Reza Khosrowabadi*, Hamidreza Pouretemad, "Pattern discovery of ADHD disorder using graph theory on task-free fMRI data", Journal of Multidisciplinary Engineering Science and Technology, 2015, 2, 335-346.

Hamidreza Namazi, Reza Khosrowabadi, Jamal Hussaini, Shaghayegh Habibi, Ali Akhavan Farid, Vladimir V. Kulish, "Analysis of the influence of memory content of auditory stimuli on the memory content of EEG signal", Oncotarget, 2016, 7(35), 56120–56128.

Dwarikanath Mahapatra, Krishna Agarwal, Reza Khosrowabadi, Dilip K. Prasad, "Recent Advances in Statistical Data and Signal Analysis: Application to Real World Diagnostics from Medical and Biological Signals", 2016, Article ID 1643687, http://dx.doi.org/10.1155/2016/1643687.

Masoumeh Sadeghi, Reza Khosrowabadi*, Fatemeh Bakouie, Hoda Mahdavi, Changiz Eslahchi, Hamidreza Pouretemad, " Identification of autism based on task-free fMRI using graph theoretical approach", *Journal of Psychiatry Research: Neuroimaging,* 2017, 263, 48-56.

Farnaz Faridi, Reza Khosrowabadi*,* "Behavioral, cognitive and neural markers of Asperger syndrome", *Basic and Clinical Neuroscience,* 2017; 8 (5), 349.

Sourena Soheili-Nezhad, Neda Jahanshad, Afsaneh Tajer, Sebastian Guelfi, Reza Khosrowabadi, Hamidreza Pouretemad, Andrew J. Saykin, Paul M. Thompson, Mojtaba Zarei, " Amygdalar atrophy as the genetically mediated hub of limbic degeneration in Alzheimer's disease", 2017, *bioRxiv*, doi: https://doi.org/10.1101/196410.

Mohammad Rezaei, AliReza Moradi, Mehdi Tehrani-Doost, HamidReza Hassanabadi, Reza Khosrowabadi, "Effects of Combining Medication and Pivotal Response Treatment on Aberrant Behavior in Children with Autism Spectrum Disorder." *Children ,* 2018, 5, 2-19.

Reza Khosrowabadi*, "Stress and Perception of Emotional Stimuli: Long-term Stress Rewiring the Brain". *Basic and Clinical Neuroscience*. 2018, 9 (2), 107-120.

Mohammad Rezaei, Alireza Moradi, Mehdi tehrani-doost, HamidReza Hassanabadi, Reza Khosrowabadi, " A pilot study on combining risperidone and pivotal response treatment on communication difficulties in children with autism spectrum disorder", *Advances in Autism,* 2018, 4(2), 56-65.

Juan Wang, Reza Khosrowabadi, Kwun-Kei Ng, Zhaoping Hong, Joanna Su Xian Chong, Yijun Wang, Chun-Yin Chen, Saima Hilal, Narayanaswamy Venketasubramanian, Tien Yin Wong, Christopher Li-Hsian Chen, Mohammad K Ikram, Juan Zhou, "Alternations in brain network topology and structural-functional connectome coupling relate to cognitive impairment", Frontiers in aging neuroscience, 2018,10, 404.

Sourena Soheili-Nezhad, Emma Sprooten, Christian F Beckmann, Sebastian Guelfi, Reza Khosrowabadi, Andrew J Saykin, Neda Jahanshad, Paul M Thompson, Mojtaba Zarei, "Genome-Wide Sequencing And Data-Driven Neuroanatomical Mri Analysis Suggests Sharpin Missense Variant For Alzheimer's Disease ", European Neuropsychopharmacology , 2019, 29, 1286-1286.

Zhaleh Mohammad Alipour, Reza Khosrowabadi*, Hamidreza Namazi," Fractal-based analysis of the influence of variations of rhythmic patterns of music on human brain response", Fractals, 2018, 26 (05), 1850080.

Saeid Yazdi-Ravandi, Hassan Akhavanpour, Farshid Shamsaei, Nasrin Matinnia, Mohammad Ahmadpanah, Ali Ghaleiha, Reza Khosrowabadi*, "Differential pattern of brain functional connectome in obsessive-compulsive disorder versus healthy controls", EXCLI Journal, 2018, 17, 1090.

Saeid Sadeghi, Hamid Reza Pouretemad, Reza Khosrowabadi, Jalil Fathabadi, Sedigheh Nikbakht, "Impact of Using Digital Devices on the Health of Children: A Systematic Review", Journal of Education Community Health, 2018, 5(2), 62-71.

Saeid Sadeghi, Hamid Reza Pouretemad, Reza Khosroabadi, Jalil Fathabadi, Sedighe Nikbakht, "The effectiveness of emotional diet intervention on parent-child interaction and parental stress in mothers of young children with autistic-like behaviors and exposure to digital nanning", Daneshvar Medicine, 2018, 26 (137), 1-11.

Saeid Sadeghi, Hamid Reza Pouretemad, Reza Khosrowabadi, Jalil Fathabadi, Sedigheh Nikbakht, "Parent–child interaction effects on autism symptoms and EEG relative power in young children with excessive screen-time", Early Child Development and Care, 2019, 1-10.

Fateme Samea, Vahid Nejati, Madjid Eshaghi Gordji, Reza Khosrowabadi, "The Essential of Applying Nonlinear-Analysis to Validate Experiments, Assessing Superior Brain Functions: Case-Study of a Bayesian-Model of Inhibitory Control in ADHD", International Journal of Nonlinear Analysis and Applications, 2019, DOI. 10.22075/ijnaa.2019.18175.1992.

Mohammad javad Jafari , Mostafa Pouyakian , Reza Khosrowabadi , Freshteh Taheri , Ali Nahvi , Mojtaba Zokaei, "Brainwave recording protocol in human samples: Neuroerogonomics studies", Iran Occupational Health Journal, 2018, 15(3), 141-153.

Saeed Lotfan, Shima Shahyad, Reza Khosrowabadi, Alireza Mohammadi, Boshra Hatef, "Support vector machine classification of brain states exposed to social stress test using EEG-based brain network measures", Biocybernetics and Biomedical Engineering, 2019, 39 (1), 199-213.

Paria Samimi Sabet, Farshid Javadi, Hamidreza Pouretemad, Reza Khosrowabadi*, " Developmental Changes in Backbone of Brain Functional Network During the Infancy Period ", NeuroQuantology, 2019, 17 (6), 32-40.

Mohammad Javad Jafari, Reza Khosrowabadi, Soheila Khodakarim, Farough Mohammadian, "The Effect of Noise Exposure on Cognitive Performance and Brain Activity Patterns", Open Access Macedonian Journal of Medical Sciences, 2019, 7 (17), 2924.

Zhaleh Mohammad Alipour, Shahram Mohammadkhani, Reza Khosrowabadi*, "Alteration of perceived emotion and brain functional connectivity by changing the musical rhythmic pattern", Experimental brain research, 2019, 237 (10), 2607-2619.

Saeid Sadeghi, Hamid Reza Pouretemad, Reza Khosrowabadi, Jalil Fathabadi, Sedigheh Nikbakht, "Behavioral and electrophysiological evidence for parent training in young children with autism symptoms and excessive screen-time", Asian journal of psychiatry, 2019, 45, 7-12.

Mohammad Javad Jafari, Reza Khosrowabadi, Soheila Khodakarim, Fariba Khodagholi, Farough Mohammadian, "The effects of combined exposure to noise and heat on human salivary cortisol and blood pressure", International Journal of Occupational Safety and Ergonomics, 2019, 1-9.

Saeid Sadeghi, Hamid Reza Pouretemad, Reza Khosrowabadi, Jalil Fathabadi, Sedighe Nikbakht, "Effects of parent–child interaction training on children who are excessively exposed to digital devices: A pilot study", The International Journal of Psychiatry in Medicine, 2019, 54 (6), 408-423.

Kolsoum Dehdar, Shirin Mahdidoust, Morteza Salimi, Leila Gholami-Mahtaj, Milad Nazari, Sadeq Mohammadi, Samaneh Dehghan, Hamidreza Jamaati, Reza Khosrowabadi, Abbas Nasiraei-Moghaddam, Victoria Barkley, Mohammad Javan, Javad Mirnajafi-Zadeh, Akira Sumiyoshi, Mohammad Reza Raoufy, "Allergen-induced anxiety-like behavior is associated with disruption of medial prefrontal cortex-amygdala circuit", Scientific Reports, 2019, 9(1), 1-13.

Vahid Salari, Zeinab Sherkaghanad, Mohammadsadegh Akhondzadeh, Soorena Salari, Maryam Zomorodi-Moghadam, Moloud Abdar, Reza Khosrowabadi, "Automated detection of autism spectrum disorder using convolutional neural network", Frontiers in Neuroscience, 2019, 13, 1325.

Jahangir Mobarezpour, Reza Khosrowabadi*, Reza Ghaderi, Keivan Navi, "Classification of EEG-based motor imagery BCI by using ECOC", International Journal of Nonlinear Analysis and Applications, 2019, 10 (2), 23-33.

Mojtaba Zokaei, Mohammad Javad Jafari, Reza Khosrowabadi, Ali Nahvi, Soheila Khodakarim, Mostafa Pouyakian, "Tracing the physiological response and behavioral performance of drivers at different levels of mental workload using driving simulators", Journal of Safety Research, 2020, 72, 213-223.

Sahar Mohammadzadeh, Alireza Farsi, Reza Khosrowabadi, "The Effect of Cognitive Fatigue on the Neural Efficacy of the Executive Control Network among Athletes: Dual Regulation System Model", Sport Psychology Studies, 2020, 8(30), 41-56.

Zahra Rezvani, Reza Khosrowabadi, Afrooz Seyedebrahimi, Golam-Hossein Meftahi, Boshra Hatef, "Alteration of Brain Functional Network and Cortisol Level During Induction and Release of Stress: An EEG Study in Young Male Adults", Basic and clinical neuroscience, 2020, Accepted.

Narjes Soltani Dehaghani, Burkhard Maess, Reza Khosrowabadi, Mojtaba Zarei, Sven Braeutigam, "Comparing Face and Object Processing in Perception and Recognition", Basic and clinical neuroscience, 2020, Accepted.

Nooshin Ghavidel, Fariba Khodagholi, Abolhassan Ahmadiani, Reza Khosrowabadi, Sareh Asadi, Jamal Shams. "Frontocingulate Dysfunction Is Associated with Depression and Decreased Serum PON1 in Methamphetamine-Dependent Patients", Neuropsychiatric Disease and Treatment, 2020, 16, 489–499.

Farnaz Faridi, Afrooz Seyedebrahimi, Reza Khosrowabadi*, "Brain Structural Covariance Network in Asperger's Syndrome Differs from Other Types of Autism and Healthy Controls" Basic and clinical neuroscience, 2020, Accepted.

Mohammad Rostami, Sajjad Farashi, Reza Khosrowabadi*, Hamidreza Pouretemad, "Discrimination of ADHD Subtypes Using Decision Tree on Behavioral, Neuropsychological, and Neural Markers", Basic and Clinical neuroscience, 2020, 11(3): 359–367

Elnaz Abbasian, Mohsen Faizi, Asghar Mohammadmoradi, Abbas Erfanian Omidvar, Reza Khosrowabadi, "The Effectiveness of Landscape Architecture Components on Women's Reactions to Reduce Depression Symptoms", Women's Health Bulletin, 2020, 7(3), 42-53.

Sajjad Farashi, Reza Khosrowabadi, "EEG based emotion recognition using minimum spanning tree", Physical and Engineering Sciences in Medicine, 2020, 43, 985–996.

Mohammad Rostami, Reza Khosrowabadi, Björn Albrecht, Hamidreza Pouretemad, Aribert Rothenberger, "ADHD subtypes: Do they hold beyond core symptoms? A multilevel testing of an additive model", Applied Neuropsychology: Child, 2020, 1-11.

Sourena Soheili-Nezhad, Neda Jahanshad, Sebastian Guelfi, Reza Khosrowabadi, Andrew J Saykin, Paul M Thompson, Christian F Beckmann, Emma Sprooten, Mojtaba Zarei, Alzheimer's Disease Neuroimaging, "Imaging genomics discovery of a new risk variant for Alzheimer's disease in the postsynaptic SHARPIN gene", Human brain mapping, 2020, 41(13), 3737-3748.

Nooshin Ghavidel, Fariba Khodagholi, Abolhassan Ahmadiani, Reza Khosrowabadi, Sareh Asadi, Jamal Shams, "Inflammation but not programmed cell death is activated in methamphetamine-dependent patients: Relevance to the brain function", International Journal of Psychophysiology, 2020, 157, 42-50.

Mohammad Rostami, Reza Khosrowabadi*, Björn Albrecht, Aribert Rothenberger, Hamidreza Pouretemad, "Classifying ADHD subtypes/presentations considering the joint effect of three levels of investigation", Nordic Journal of Psychiatry, 2021, 75 (1), 31-37.

Laleh Esfandiari, Reza Nilipour, Vahid Nejati, Parviz Maftoon, Reza Khosrowabadi, "An event-related potential study of second language semantic and syntactic processing: evidence from the declarative/procedural model", Basic and Clinical Neuroscience, 2021, 11 (6), 12-12.

Saeid Yazdi-Ravandi, Dorsa Mohammadi Arezooji, Nasrin Matinnia, Farshid Shamsaei, Mohammad Ahmadpanah, Ali Ghaleiha, Reza Khosrowabadi*, "Complexity of information processing in obsessive-compulsive disorder based on fractal analysis of EEG signal", EXCLI journal, 2021, 20, 462.

Majid Saberi, Reza Khosrowabadi*, Ali Khatibi, Bratislav Misic, Golamreza Jafari, "Topological impact of negative links on the stability of resting-state brain network", Scientific reports, 2021, 11 (1), 1-14.

Zahra Moradimanesh, Reza Khosrowabadi, Majid Eshaghi Gordji, Golamreza Jafari, "Altered structural balance of resting-state networks in autism", Scientific reports, 2021, 11 (1), 1-16.

Conference papers

Meng jiao Hu, et al., "Differential Amplitude of Low-Frequency Fluctuations in brain networks after BCI Training with and without tDCS in Stroke," International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 2018, pp.1050-1053.

R. Khosrowabadi, et al., "A Brain-Computer Interface for classifying EEG correlates of chronic mental stress," *The 2011 International Joint Conference on Neural Networks (IJCNN),* San Jose, CA, USA, 2011, pp. 757-762.

R. Khosrowabadi, *et al.*, "EEG-based Emotion Recognition Using Self-Organizing Map for Boundary Detection," *The 20th International Conference o Pattern Recognition (ICPR)*, Istanbul, Turkey, 2010, pp. 4242-4245.

H. M. Hondori, *et al.*, "Muscles' Coactivation in a Stationary Limb Alters According to the Movement of Other Limb," The 3rd International Conference of Biomedical Electronics and Devices (BIODEVICES), Valencia, Spain, 2010.

R. Khosrowabadi, *et al.*, "The dynamic emotion recognition system based on functional connectivity of brain regions," *The 2010 IEEE Intelligent Vehicles Symposium (IV)*, San Diego, CA, USA, 2010, pp. 377-381.

R. Khosrowabadi and A. W. b. A. Rahman, "Classification of EEG correlates on emotion using features from Gaussian Mixtures of EEG Spectrogram," *International Conference on Information and Communication Technology for the Muslim World (ICT4M)*, Jakarta, Indonesia, 2010, pp. E102 - E107.

Marini Othman, Abdul Wahab, Reza Khosrowabadi: "EEG Based Emotion Recognition using MFCC and MLP," *Computers and Their Applications (CATA)*, Hawaii, USA, 2010, pp. 252-257.

R. Khosrowabadi, *et al.*, "Affective computation on EEG correlates of emotion from musical and vocal stimuli," *The 2009 International Joint Conference on Neural Networks (IJCNN)*, Atlanta, GA, USA, 2009, pp. 1590-1594.

R. Khosrowabadi, *et al.*, "Brain Surface Emotional Labeling According to the Variation of EEG Signal Distribution," *The 4th Biennial Workshop on DSP for In-Vehicles Systems and Safety*, Dallas, TX, USA, 2009.

M. Othman, *et al.*, "MFCC for robust emotion detection using EEG," *The 2009 ninth IEEE Malaysia International Conference on Communications (MICC),* Kuala Lumpur Malaysia, 2009, pp. 98-101.

R. Khosrowabadi and A. Wahab, "Emotional State Discrimination by One EEG Channel," *The ISCA 21st International Conference on Computer Applications in Industry and Engineering (CAINE)*, Hawaii, USA, 2008, pp. 56-60.

R. Khosrowabadi and A. Wahab, "Recognition from EEG Signal by Using of MFCC as a New EEG Feature Vector," *The IEEE International Workshop on Digital Infotainment and Visualization (IWDTV)*, Terengganu, Malaysia, 2008.

Extended abstracts

A. Seyedebrahimi, et al., "Brain Mechanism in the Human-Computer Interaction Modes Leading to Different Motor Performance", *27th Iranian Conference on Electrical Engineering (ICEE)*, Yazd, Iran, 2019, pp. 1802-1806.

M. Tahmasian, et al., "Local metabolism impairments modify topological FC in Alzheimer disease: A PET/MR study", *6th Iranian Human Brain Mapping Congress*, Tehran. Iran, 2019.

A. Seyedebrahimi, et al., "Differential patterns of neural oscillations in various modes of human computer interaction", *11th FENS Forum of Neuroscience*, Berlin, Germany, 2019.

N. Soltani dehaghani, et al., "Pre-stimulus Effect on Face and Non-face Processing: A Case Study in Individuals with Autism using MEG", *6th Iranian Human Brain Mapping Congress*, 2019.

Afrooz Seyedebrahimi, Reza Khosrowabadi, Hossein Mousavi Hondori, "Differential patterns of neural oscillations in various modes of human computer interaction", 11th FENS Forum of Neuroscience, Berlin, Germany, July 2018.

Saeid Sadeghi, Hamid Reza Pouretemad, Reza Khosrowabadi, Jalil Fathabadi, "EEG finding in Autism Spectrum Disorder: Narrative Review of the Literature", 6th Basic and Clinical Neuroscience Congress, Tehran, Iran, Dec 2017.

Shahryar Pajavand, Hossein Hasooni, Tohid emami meybodi, Reza Khosrowabadi, " Microstructural White Matter Changes in Alzheimer's disease," 2017 FENS regional meeting, Pécs – Hungary, July 2017.

Majid Saberi, Reza Khosrowabadi*, Functional areas of the brain have intrinsic temporal variability", the 3rd international conference on human brain mapping, Tehran, Iran, 2016.

Masoumeh Sadeghi damavandi, Reza Khosrowabadi*, "Local functional connectivity changes in autism using resting-state fMRI" , In 3rd international conference on human brain mapping, 2016.

Negin Zarei, Reza Khosrowabadi*, "*Subtype Specific Effect of Gender on Gray Matter Density Changes in ADHD*", the 22nd Annual Meeting of the Organization for Human Brain Mapping, Geneva, Switzerland, June 2016.

Paria Samimi Sabet, Reza Khosrowabadi*, "Alteration of functional brain network during the development in infancy period" , In 3rd international conference on human brain mapping, 2016.

Jahangir Moubarezpour, Reza Khosrowabadi*, Hamidreza Pouretemad," *Screening of Asperger disorder using graph theoretical approach on task-free fMRI data*", the 4th international conference on basic and clinical neuroscience, Tehran, Iran, Dec 2015.

Farshid Javadi, Reza Khosrowabadi*, Changiz Eslahchi, Hamidreza Pouretemad," *Alteration of brain oscillatory pattern during*

development in infancy period", the 2nd international conference on human brain mapping, Tehran, Iran, Nov 2015.

Masoumeh Sadeghi, Reza Khosrowabadi*, Changiz Eslahchi, "*Investigation of brain functional connectivity network in autistic patients using graph theory*", the 2nd international conference on human brain mapping, Tehran, Iran, Nov 2015.

Negin Zarei, Reza Khosrowabadi*, "*Subtype Specific Pattern of Gray Matter Changes in ADHD*", the 2nd international conference on human brain mapping, Tehran, Iran, Nov 2015.

Farnaz Mohammadi, Reza Khosrowabadi*, "*Pattern Discovery of ADHD Disorder Using Graph Theory on Task-Free fMRI Data*", the 6th international conference on cognitive science, Tehran, Iran, April 2015.

Hong Z*, Khosrowabadi R*, Hilal S, Chong JSX, Wong TY, Venketasubramanian N, Chen CLH, Ikram MK, Zhou J, "*Anatomical and functional brain connectome changes in subjects with cognitive impairment no dementia*". 20th Annual Meeting of the Organization for Human Brain Mapping, Hamburg, Germany, 2014. (*Joint First Authors)

Khosrowabadi R, Poh J, Chia YY, Hong Z, Weng SJ, Zhou J. "*FMRI and EEG fluctuations supporting increasing spatial working memory load*". 19th Annual Meeting of the Organization for Human Brain Mapping, Seattle, USA, 2013.

Khosrowabadi R, Chew E, Zhao L, Teo WP, The I, Ang KK, Phua KS, Hong X, Nasrallah FA, Chuang KH, Guan C, Zhou J. "*Functional connectivity enhancement correlates with motor recovery after rehabilitation*". 19th Annual Meeting of the Organization for Human Brain Mapping, Seattle, USA, 2013.

Khosrowabadi R, Poh J, Chia Y, Hong Z, Weng S, Fung D, Zhou J. "*A concurrent EEG-fMRI study on visuospatial working memory: load-dependent brain oscillations and the associated neurovascular coupling patterns*".19th Annual Meeting of the Organization for Human BrainMapping, Seattle, USA, 2013.

Poh J, Chia YY, Hong Z, Khosrowabadi R, Weng SJ, Fung D, Zhou J. "*Interacting brain networks during rest and task predicts spatial working memory performance.*" 19th Annual Meeting of the Organization for Human Brain Mapping, Seattle, USA, 2013.

Khosrowabadi R, Chew E, Teh I, Ang KK, Guan C, Zhou J. "*Intrinsic functional connectivity disruptions in somatomotor, salience, and default-mode networks after stroke.*" Annual meeting of the Society of Neuroscience, New Orleans, USA, 2012

Other experiences

Section editor at
- Basic and clinical neuroscience, section of cognitive neuroscience
- Journal of advances in cognitive sciences, section of computational cognition

And guest editor and reviewer in the following journals
Computational and Mathematical Methods in Medicine, Nature Scientific report, Frontiers in Biomedical engineering, Neuro-computing, Frontiers in human neuroscience, …

Scientific chair at the 8th International congress of cognitive science, 2020, Tehran, Iran

Executive chair at the 2nd and 3rd Iranian human brain mapping congress, 2015, 2016, Tehran, Iran.

Advisor of students' cognitive science association at the Institute for cognitive and brain sciences, 2017, 2018