



# A Joint Symposium of Cognitive Sciences



Institute of Cognitive Neuroscience, Higher School of  
Economics, National Research University (Russia) &  
Institute for Cognitive & Brain Sciences,  
Shahid Beheshti University (Iran)

16-17 February, 2022

27-28 Bahman, 1400

A hybrid event; virtual connection link: <http://www.sbu.ac.ir/web/webinar>

Day 1: 16 February, 2022			
Opening Ceremony and Oral Presentations			
Moscow Time	Iran Time	Opening ceremony	
9:00 -9:05	9:30 - 9:40	Dr. Mehdi Purmohammad Scientific secretary of the symposium	
9:05 -9:10	9:40 - 9:50	Dr. Shokrollah Karimian Director of SBU International Scientific Cooperation Directorate	
9:10-9:20	9:50-10:00	Dr. Anna Shestakova Director, Chief Research Fellow: Institute for Cognitive Neuroscience / Centre for Cognition & Decision Making & International Laboratory of Social Neurobiology	
Oral Presentations			
Session I: Brain Mapping			
09:30-10:00	10:00-10:30	Prof. Hamidreza Pouretamad ICBS, Shahid Beheshti University	Environment and autism
10:00-10:30	10:30-11:00	Dr. Mohsen Najafi, Dr. Farbod Sotudeh, Mohammad Reza Arab & Dr. Shokrollah Karimian(SBU) ArakUT, CS & ISP Lab	A quantitative study of learning using EEG signals
10:30-11:00	11:00-11:30	Drs. Yury Stryrov & Andriy Myachykov HSE, National Research University	Neurocognitive foundations of speech and communication
11:00-11:30	11:30-12:00	Dr. Vadim Nikulin HSE, National Research University	Spatio-temporal neuronal dynamics as predictors of task performance
Session II: Social Cognition			
11:30-12:00	12:00-12:30	Dr. Khatereh Borhani ICBS, Shahid Beheshti University	The Effect of Social Exclusion on Emotions That We Perceive and Decisions That We Make
12:00-12:30	12:30-13:00	Dr. Setareh Mokhtari ICBS, Shahid Beheshti University	the perception of facial trustworthiness
12:30-13:00	13:00-13:30	Dr. Oksana Zinchenko HSE, National Research University	Neural mechanisms of prosocial behavior
13:00-13:30	13:30-14:00	Break	
Session III: Brain to Brain Interface			

13:30-14:00	14:00-14:30	Dr. Reza Khosrowabadi ICBS, Shahid Beheshti University	Artificial intelligence in neuroscience: BCI applications
14:00-14:30	14:30-15:00	Dr Alexei Ossadtchi HSE, National Research University	Bidirectional invasive interface with interpretable decoding for rehabilitation, control and presurgical mapping
14:30-15:00	15:00-15:30	<b>Session IV: Final Discussion</b>	

<b>Day 2: 17 February 2022</b>			
<b>Invited talks and oral presentations of selected papers</b>			
8:30-8:50	9:00-9:20	Fatemeh Mortazavi Moghadam, Shahid Beheshti University Mohammadreza Bigdeli, Hamidreza Pouretemad, Shahid Beheshti University Su Ryon Shin Harvard Medical School	Aptamer base nanobiosensor for stress hormone measurement
8:50-9:10	9:20-9:40	Sepehrdad Rahimian, Tommaso Fedele, Sofya Shaina, Irina Sokolova, Elizaveta Zvereva, Maria Falikman HSE, National Research University	The Effects of Top-Down Predictive Information on Conscious Processing: an EEG Study
9:10-9:30	9:40-10:00	Zahra Rezvani, Naghme Jamali, Institute for Research in Fundamental Sciences (IPM) Hamidreza Pouretemad, Ali Katanforoush, Shahid Beheshti University Mohammad Sabokrou Institute for Research in Fundamental Sciences (IPM)	Network Analysis of Informal Social Media Conversations about Autism
9:30-9:50	10:00-10:20	Maria Alekseeva, Andriy Myachykov & Yury Shtyrov HSE, National Research University	Neurocognitive mechanisms of zero morpheme processing: Evidence from MEG
9:50-10:10	10:20-10:40	Mohammad Abdolrahmani RIKEN Center for Brain Science	Cognitive modulation of interacting corollary discharges in the visual cortex
10:10-10:30	10:40-11:00	Alina A. Studenova, Arno Villringer, & Vadim V. Nikulin HSE, National Research University	Non-zero Mean Alpha Oscillations are Evident in Computational Model and Empirical Data
10:30-10:50	11:00-11:20	<b>Break</b>	
10:50-11:10	11:20-11:40	Carlos Nieto Doval & Matteo Feurra HSE, National Research University	Towards the optimal protocol for investigation of the mirror neurons system: comparison of different stimuli presentation by time and visual manipulation
11:10-11:30	11:40-12:00	Andrew Kislov & Anna Shestakova HSE, National Research University	The Prediction of Market-level Food Choices by the Neural Valuation Signal
11:30-11:50	12:00-12:20	Milana Makarova & Maria Nazarova HSE, National Research University	Multi-muscle TMS mapping assessment of the motor cortex reorganisation after finger dexterity training

11:50-12:10	12:20-12:40	Parisa Ganjeh & Prof. Arethen Rothenberger <a href="#">University of Göttingen</a>	The association between ADHD symptoms and physical activity as well as blood pressure and lipoproteins in youngsters, a short-term and long-term consideration
12:10-12:30	12:40-13:00	Daria Kleeva, Daria Gutsenko, Andrey Prokofiev, Tatiana Stroganova, Ivan Pigarev, Alexei Ossadtchi <a href="#">HSE, National Research University</a>	Cortical processing of visceral signals during various sleep stages in humans
12:30-13:00	13:00-13:30	<b>Break</b>	
13:00-13:20	13:30-13:50	Dr. Ali Khatibi <a href="#">University of Birmingham</a>	Cognitive bias, fear of relapse and quality of life in multiple sclerosis
13:20-13:40	13:50-14:10	Faramarz Fathnezhad <a href="#">Urmia Azad University</a> Mina Tasouji Azari <a href="#">Tabriz Azad University</a>	Deep Learning Architectures in Language Learning: A Paradigm for Change
13:40-14:00	14:10-14:30	Saeideh Ghafouri & Mohammad Javad Rezai <a href="#">Yazd University</a>	Exploring the Effect of Late, Unbalanced Bilingualism on Cognitive Control
14:00-14:20	14:30-14:50	Masoumeh Malekiyan <a href="#">Allameh Tabataba'i University</a>	A Comparison of Morpho-Syntactic Development in monolingual and bilingual Preschoolers
14:50-15:20	<b>Final Discussion</b>		