We are proud to welcome you to the first:

NEUROSCIENCE OF THE EVERYDAY WORLD CONFERENCE

Tuesday and Wednesday August 29th and 30th, 2023

Located at:

Room 101 Boston University Rajen Kilachand

Center for Integrated Life Sciences (CILSE) Building

610 Commonwealth Avenue Boston University, Boston MA 02215

Hosted by Boston University and Cohosted by Chen Institute

NEUROSCIENCE OF THE EVERYDAY WORLD CONFERENCE

DAY 1: TUESDAY AUGUST 29TH, 2023

TIME	ITEM
8:00 a.m.	Breakfast, Networking
8:30 a.m.	Opening Remarks, Introduction of Student/ Postdoctoral Trainees
9:00 a.m.	Keynote: Joy Hirsh (Yale, USA), "*Wild-Type Neuroscience: Challenges, Progress, and Future Directions for Understanding the Brain in Real-Life Action*"
10:00 a.m.	Q&A + Coffee Break
10:30 a.m.	Symposium 1: Innovations in technologies to continuously monitor the brain in the real world

INVITED SPEAKERS: SYMPOSIUM 1		
Alex Von Lühmann (TU Berlin, Germany) "*fNIRS in the Everyday World*"	Klaus Gramann (TU Berlin, Germany) "*Imaging Natural Cognition in the Real World*"	Andrew Duchowski (Clemson, USA) "*Contextualizing the Everyday World through Gaze*"

12:00 p.m.	Lunch, Networking
1:00 p.m.	Poster Presentation (All posters at this time)
2:30 p.m.	Symposium 2: Monitoring the brain in healthy subjects

INVITED SPEAKERS: SYMPOSIUM 2		
Allan Reiss (Stanford, USA) "*Neuropsychiatric and Cognitive Neuroscience Applications*"	Ralph Adolphs (Caltech, USA) "*Eyetracking in Autism Using Webcams and Smartphones*"	Bettina Sorger (Maastrict University, Netherlands) "*fNIRS for Brain-based Interaction and Neurofeedback Learning in the Everyday World*"

4:00 p.m.	Stretch & Coffee Break
4:15 p.m.	Wrap up Day 1: Panel Discussion
5:30 p.m.	Reception (and Poster Viewing)

DAY 2: WEDNESDAY AUGUST 30TH, 2023

TIME	ITEM
8:00 a.m.	Breakfast, Networking
8:30 a.m.	Keynote 2: Hasan Ayaz, (Drexel University, USA), "*Neuroergonomics: Observing the "Brain at Work" in Everyday Life*"
9:30 a.m.	Q&A + Coffee Break
10:00 a.m.	Symposium 3: Monitoring the brain in clinical populations. Applications of continuous brain monitoring in neurological disorders and development.

INVITED SPEAKERS: SYMPOSIUM 3		
Louis Awad (Boston University, USA) "*Brain-in-the-loop control of soft robotic exosuits for gait assistance in the everyday world*"	Adam Woods (University of Florida, USA) "*Leveraging artificial intelligence, clinical trials and neuroimaging to precision dose transcranial direct current stimulation"*	Swathi Kiran (Boston University, USA) "*Using fNIRS to understand everyday interactions and discourse in post-stroke individuals with aphasia*"

11:30 a.m.	Wrap up Day 2: Student Panel Discussion
1:00 p.m.	Conference Ends

POSTER PRESENTATIONS

#	TITLE AND AUTHOR
1	*Spatial representations for self and others in the medial temporal lobe of freely-moving humans*. Matthias Stangl et al.
2	*Prefrontal Cortex activation during Yoga Asana with fNIRS.* Michelle Goodrick et al.
3	*Exploring human social behavior in face-to-face human robot conversations using fNIRS and salivary oxytocin.* Yigit Topoglu et al.
4	*Geze-Heart Reciprocity During Collaboration.* Katarzyna Wisiecka et al.
5	*Illuminating the Interplay of Environment and Physiological Measures via Ultramobile Multimodal Wearable Sensors.* Kevin L. Ramirez-Chavez et al.
6	*fNIRS over the garden wall: Naturalistic path-planning and execution in the real world.* Adrian Curtin et al.
7	*Cedalion: A software framework for the analysis of multimodal fNIRS in naturalistic environments.* Eike Middel et al.

#	TITLE AND AUTHOR
8	*fNIRS Data Simulation with Preserved Sapatio-Temporal Information.* Condell Eastmond et al.
9	*Investigation of the pharmacological effects of methylphenidate based on COMT gene mutation.* Shiho Yanagida et al.
10	*Brain Activity Changes in ADHD Children after Discontinuing Methylphenidate: Insights into Brain Maturation.* Niannin Lin et al.
11	*Classification of infant fNIRS data improves prediction of cognitive development 18 months later.* Sumin Byun et al.
12	*The neural correlates of language processing during everyday social interactions – a story of developmental change during the preschool years.* Meredith Pecukonis et al.
13	*Decoding Attended Spatial Location during Complex Scene Analysis with fNIRS.* Matthew Ning et al.
14	*Whole-head High-Density fNIRS for Real-world Scenarios.* Samuel Montero-Hernandez et al.
15	*The Immediate Effects of Meditation in Non-Meditators: An Electroencephalogram Study*. Raymond Cacciatore et al.
16	*Is fNIRS really useful for neuromarketing?* Ippeita Dan et al.
17	*Referential processing in context in adults with moderate-severe brain injury.* Kaitlin Lord et al.
18	*Exploring whether evoked-responses are influenced by animacy and visual realism during virtual social interactions using functional Near-Infrared Spectroscopy (fNIRS).* Michaela Kent et al.
19	*Frontal lobe activation during daily movements and its association with clinical symptoms in knee osteoarthritis.* Soyoung Lee et al.
20	*Frontal lobe activation and gait alterations during single and dual-task walking in knee osteoarthritis.* Soyoung Lee et al.
21	*Citizen Neuroscience: A Novel Protocol for Collecting EEG Data Within a Classroom.* Layla Kouara et al.
22	*Lateralization of Brain Activation Patterns using fNIRS during Clockwise and Counterclockwise Overground Walking*. Rini I. Kaplan et al.
23	*The Neural Underpinnings of Split-belt Treadmill Adaptation in People with Multiple Sclerosis.* Andrew C. Hagen et al.
24	*Augmented reality system for real-time neuroimaging optode or electrode placement guidance.* Fan-Yu Yen et al.

Thank you for joining us at the
First Neuroscience of the Everyday World Conference!