

Start Time	July 11 (Thursday)	July 12 (Friday)	July 13 (Saturday)
7:00	Exhibit registration and set up		
8:00	Registration/Continental Breakfast		
8:55	Welcome Address: Robert Chen, MA, MBBChir, FRCPC	Registration/Continental Breakfast	Registration/Continental Breakfast
9:00	Invited Presentation: Jan Kubanek, PhD Effective ultrasonic neuromodulation in the human brain Moderator: Elly Martin	Invited Presentation: Emilie Franceschini, PhD Ultrasonic neurostimulation of dorsal root ganglion neurons: towards an understanding of molecular and physical mechanisms. Moderator: Miriam Klein-Flugge	Invited Presentation: Shy Shoham, PhD Converging insights on the cortical circuit mechanism of TUS Moderator: Merritt Maduke
9:30	Experimental Validation of K-Wave Simulations of Ultrasound Propagation through Human Skulls Alisa Krokmal	Axonal Excitability to Ultrasound Stimulation Elena Vicari	A Study on the Mechanisms and Effective Parameters for Sciatic Nerve Neuromodulation in Vivo Erica P. McCune
9:45	A Time-Resolved Forward Model for MR-ARFI: Towards Acoustic Dosimetry for TUS Kristen Zarcone	Towards Physiological Guidance of Transcranial Ultrasound Neuromodulation Taylor Webb	A Study of High Temporal and Spatial Resolution Non-Invasive EEG Acquisition Methods Based on Transcranial Focused Ultrasound Hao Zhang
10:00	Advancing Deep Brain Neuromodulation: An MR-Guided Transcranial Ultrasound System Bradley Treeby	Reducing blood pressure with FUS neuromodulation: Investigating the role of inhibitory neurons Neha Chauhan	Pulsed transcranial ultrasound depolarizes and paces neuronal membrane potentials in the awake mammal brain Xue Han
10:15	Discussion	Discussion	Discussion
10:30	Break	Break	Break
11:00	Invited Presentation: Ghazaleh Darmani, PhD Transcranial Ultrasound Stimulation in Parkinson's disease: Insights from Basal Ganglia Local Field Potentials Moderator: Elsa Fouragnan	KEYNOTE LECTURE: Marion Plaze, MD, PhD Metamaterial based transcranial ultrasound stimulation for psychiatry Moderator: Charles Caskey	Invited Presentation: Jerome Sallet, PhD Offline Transcranial Ultrasound Effects at the Circuit and Neuronal Levels in Non-Human Primate Moderator: Wynn Legon
11:30	Dynamic Changes in Human Brain Connectivity following Ultrasound Neuromodulation Marcus Kaiser	Preliminary Results for Low Intensity Focused Ultrasound for Tobacco Use Disorder: High Resolution Targeting of the Human Insula Evan Lindeman	Transcranial Ultrasonic Stimulation of the Human Amygdala to Modulate Threat Learning Sjoerd Meijer
11:45	A Nudge in the 'Right' Direction: Biasing Eye Movements with Ultrasonic Stimulation Soha Farboud	TUS: Regulatory and Reimbursement Challenges and Opportunities in the USA Mark Carol	TUS of rmPFC and Precuneus Differentially Modulate Decision Making in Private and Social Contexts Mathilde Lojkiewicz
12:00	Discussion	Discussion	Discussion
12:15	Lunch (Sponsored by Rogue Research)	Lunch	
13:15	Invited Presentation: Jenny Lee, M.Eng, PhD Preclinical tools for ultrasound neuromodulation Moderator: Til Ole Bergmann	Invited Presentation: Daisy Thompson Lake, PhD Low Intensity Focused Ultrasound as a Potential Treatment for Opioid Use Disorder Moderator: Samuel Pichardo	Lunch
13:45	Prospective Planning of Transcranial Ultrasonic Transducer placement - a Fast and Heuristic Tool Maximilian Lueckel	Low-Intensity Focused Ultrasound Stimulation of Motor Cortex and Internal Globus Pallidus in Parkinson's Disease Yi-Ying Lin	
14:00	Functional Ultrasound can detect the FUS-Evoked Neurovascular Response to Distinct Depths of Anesthesia Seongyeon Kim	Low-Intensity Focused Ultrasound of the Subthalamic Nucleus: A preliminary Evaluation of Cognitive and Motor Effects Terra Fairbanks	
14:15	Discussion	The Effect of Transcranial Ultrasound Pulse Repetition Frequency on Sustained Inhibition in the Human Primary Motor Cortex: A Double-Blind, Sham-Controlled Study Ali K. Zadeh	
14:30	Break	Discussion	
14:45			
15:00	DISTINGUISHED LECTURE: Andres M. Lozano, MD, PhD Potential Therapeutic Uses of Focused Ultrasound in Neurological and Psychiatric Disorders Moderator: Dr. Can Sarica	Break	HANDS-ON WORKSHOP (Separate Registration Required)
15:30	Poster Pitches Moderator: Mandy Ding	Poster Pitches Moderator: Regina Annirood	
16:00	Day 1 Poster Session (Authors Present), Industry Exhibition and Demonstration	Day 2 Poster Session (Authors Present), Industry Exhibition and Demonstration	
18:00			
18:30 - 21:30	Dinner at Double Tree by Hilton Hotel (Mandarin Ballroom) 108 Chestnut Street, Toronto, ON, M5G 1R3		