

TUESDAY 8 OCT	
6:00-7:30	Registration (MacEwan University - Allard Hall)
6:30-8:30	Reception (MacEwan University - Allard Hall)
DAY ONE WEDNESDAY 9 OCT (Sutton Place Hotel)	
8:50-9:00	Welcome
9:00-10:00	Keynote Talk (1 of 3) - Hildegard Westerkamp (William Tomison Room)
10:00-10:30	COFFEE BREAK
10:30-10:50	<p>Winterlake Room SPEECH PRODUCTION (Chair: Terrance Nearey) Michael Kieffe, Terrance M. Nearey: An Acoustic Analysis of Vowel Production in Spontaneous Speech</p> <p>Rowand Room BUILDING ACOUSTICS (Chair: Ellen Buchan) Paul Marks: Acoustical Considerations for Design-Build Mental and Behavioural Healthcare Facilities</p>
10:50-11:10	<p>Matthew C. Kelley, Daniel Aalto: Measuring the dispersion of density in head and neck cancer patients' vowel spaces: The vowel dispersion index</p> <p>Mandy Chan, William Gastmeier: Recent Experience with Acoustical Privacy Considerations in Academic Settings</p>
11:10-11:30	<p>Arian Shamei, Sonya Bird: Acoustic Correlates of Cannabis-Intoxicated Speech</p> <p>Kelly Kruger: Complexities of Curtain Wall Flanking Transmission – A Case Study</p>
11:30-11:50	<p>Bryan Gick, Arian Shamei: Effects of Outer Space on Vowel Space</p> <p>Todd Busch: Generic Third-Octave Band Spectra for Construction Equipment</p>
11:40-12:00	<p>Bryce Jacob Wittrock, Benjamin V. Tucker: Canadian prairie dialects: An exploration of Alberta and Saskatchewan vowels</p> <p>Jianhui Zhou, Behzad Vafaeian, Ying-Hei Chui: Radiation Efficiency of Cross Laminated Timber Panels by Finite Element Modelling</p>
12:00-1:15	LUNCH (William Tomison Room)
1:15-1:35	<p>SPEECH PERCEPTION AND PRODUCTION (Chair: Andrea Macleod) Scott James Perry, Benjamin V. Tucker: L2 Production of American English Vowels in Function Words by Spanish L1 Speakers</p> <p>BUILDING ACOUSTICS (Chair: Paul Marks) Weidong Li: Evaluation of an Indoor Open Space's Acoustical Quality – A Case Study</p>
1:35-1:55	<p>Annika Nijveld, Louis ten Bosch, Mirjam Ernestus: Dutch learners of English can identify reduced pronunciation variants in English running speech, while Spanish learners cannot</p> <p>Matthew Golden, Roderick Mackenzie: The Case for Minimum Impact Noise Requirements in the National Building Code of Canada</p>
1:55-2:15	<p>McKae Pawlenczuk, Yoichi Mukai, Benjamin V Tucker: Reduced flaps in English processed by non-native speakers</p> <p>Matthew Golden, Wilson Byrick: Comparison of High-Performance Floor and Ceiling Isolation Systems: Are Springs Always Better?</p>
2:15-2:35	<p>Quinn Goddard, Angeliki Athanasopoulou, Darin Flynn: Lexical Stress in Plains Cree: An Acoustic Account</p> <p>Umberto Berardi: Sound attenuation of a wood noise barrier using a meta-material approach</p>
2:35-2:55	<p>Gracellia Purnomo, Gloria Mellesmoen, Arian Shamei, Bryan Gick: Production study of Spanish spirantization in naturalistic speech</p> <p>Ellen Buchan: Renovation of the Northern and Southern Alberta Jubilee Auditoria: A Case Study on the Impact of Orchestra Pit Renovation on Acoustics</p>
2:55-3:15	COFFEE BREAK
3:15-3:35	<p>SPEECH PERCEPTION AND PRODUCTION (Chair: Michael Kieffe) April Pereira: Effects of Modality and Linguistic Materials on Memory in Younger and Older Adults</p> <p>ENGINEERING AND PHYSICAL ACOUSTICS (Chair: Umberto Berardi) Victor Krupka, Sebastian Ghinet, Eric Chen, Andrew Price, Viresh Wickramasinghe, Anant Grewal: Investigation of Aircrew Noise Exposure Due to the Use of the Intercom System Onboard the RCAC CF-149 Helicopter</p>
3:35-3:55	<p>Carolina Salinas-Marchant, Geneviève Meloni, Andrea A.N. Macleod: Spectral moments to describe fricative emergence of French-Quebec children</p> <p>Victor Krupka, Sebastian Ghinet, Viresh Wickramasinghe, Anant Grewal: Hearing Protection Performance Evaluation of Active Noise Reduction Headsets Under High Intensity Noise Levels</p>
3:55-4:15	<p>Kirsten Mulder, Alesha Reed, Benjamin V. Tucker, Carol A. Boliek: The Effects of Transcranial Direct Current Stimulation (tDCS) on Intermuscular Coherence during Maximum Performance Tasks in Healthy Younger and Older Adults</p> <p>Maryse Lavoie: Évaluation des nuisances sonores provenant des systèmes à traitement d'air en milieu urbain</p>
4:15-4:35	<p>Stephanie L. Archer, Megan Galloway, Wenfu Bao, Hester Duffy, Sotaro Kita: Do mothers prefer monkeys over nembes</p> <p>John Halpenny, Joana Rocha: Minimizing sonic boom noise to meet potential regulatory limits</p>
4:35-4:55	<p>Tara Vongpaisal: Perception of Mixed Emotions from Semantic and Prosodic Cues</p> <p>Ian Matthew, Anthony Amarra: Comparison of Results from the STEAM Rail Noise Model to Potential Alternatives</p>
4:55-5:15	<p>Mark Salsberg: Sound insulation and Absorption in Rail Applications</p>
5:30-6:30	ASTC Workshop by the National Research Council Canada on the National Building Code of Canada (NBCC)
DAY TWO THURSDAY 10 OCT (Sutton Place Hotel)	
9:00-10:00	Keynote Talk (2 of 3) - Michelle Vigeant (William Tomison Room)
10:00-10:20	COFFEE BREAK
10:20-10:40	Exhibits all day in the Foyer
10:40-11:00	<p>SPEECH PERCEPTION AND PRODUCTION (Chair: Bryan Gick) Filip Nenadic, Matthew C. Kelley, Ryan G. Podlubny, Benjamin V. Tucker: Speech perception and the role of semantic richness in processing</p> <p>ENGINEERING AND PHYSICAL ACOUSTICS (Chair: Joana Rocha) Todd Busch: Design Of A Test Apparatus For Measuring The Low-Amplitude Vibration Sensitivity Of Large Test Articles</p>
11:00-11:20	<p>Terrance Nearey, Benjamin V. Tucker: Modeling categorization of a VCCV continuum in the presence of response lapses and dropouts</p> <p>Basim Al Tluwa, Joana Rocha: Development and Testing of an Aeroacoustic Wind Tunnel Test Section</p>
11:20-11:40	<p>Yadong Liu, Pramit Saha, Bryan Gick, Sidney Fels: Deep learning based continuous vowel space mapping from hand gesture</p> <p>Ian Bonsma, Nathan Gara, Brian Howe: Intentional yaw Misalignment and the Effects on Wind Turbine Noise</p>
11:40-1:15	LUNCH (William Tomison Room)
1:15-1:35	<p>AUDIOLOGY (Chair: Alberto Behar) Kristen Elizabeth Mulderrig: Deaf Cultural Identification, Cochlear Implants, and Life Satisfaction</p> <p>BIOACOUSTICS (Chair: Benjamin Tucker) Erin Bayne: Wiretapping the wilderness: New approaches to wildlife monitoring using autonomous recording units</p>
1:35-1:55	<p>Jeremie Voix: Hearing Protectors Fit-Testing: a Smartphone-Based Approach</p> <p>Richard William Hedley: Distance truncation via relative sound level for surveys of birds in patchy habitat</p>
1:55-2:15	<p>Alex Gascon, William Hodgetts: Which Threshold Do We Trust? A Comparison of Threshold Measurements In Adult Bone Conduction Users</p> <p>Elly Caitlin Knight, Erin M Bayne: Automated acoustic mark-recapture of a migratory bird using signal recognition software</p>
2:15-2:35	<p>Farid Moshgelani: On Speech Envelope Enhancement for Hearing Aid Applications</p> <p>Kimberley Ann Campbell, Stephanie Thunberg, Christopher B Sturdy: Features of male- and female-produced song in black-capped chickadees (Poecile atricapillus) change between seasons</p>
2:35-3:15	COFFEE BREAK
3:15-3:35	<p>SPEECH PRODUCTION (Chair: Daniel Aalto) Noor Hisham Al-Zanoon, Daniel Aalto: Investigation of tongue biomechanics in English vowels (/i/, /æ/) using virtual computer simulation</p> <p>NOISE ACOUSTICS (Chair: Corjan Buma) Andy Metelka: Wind Turbine noise relationships of tonality, infrasound, amplitude modulation and audible noise</p>
3:35-3:55	<p>Terrina W Chan, Grace Purnomo, Yadong Liu, Bryan Gick: Coarticulation in speech and smile movements: An electromyographic and video analysis</p> <p>Peter VanDelden: The Significance of Sampling Rate in Firearms Sound Exposure Determination</p>
3:55-4:15	<p>Himanshu Goyal, Pramit Saha, Bryan Gick, Sidney Fels: EEG-to-F0: Establishing artificial neuro-muscular pathway for kinematics-based fundamental frequency control</p> <p>Andy Metelka: Alternative measurement techniques for quantifying Motorcycle noise</p>
4:30-5:30	ANNUAL GENERAL MEETING
6:30-8:30	BANQUET (Edmonton Convention Centre)
DAY THREE FRIDAY 11 OCT (Sutton Place Hotel)	
9:20-10:20	Keynote Talk (3 of 3) - Sonya Bird (William Tomison Room)
10:20-10:40	COFFEE BREAK
10:40-11:00	<p>AUDITORY PERCEPTION (Chair: Jeremy Voix) Alberto Behar, Joseph Rovetti, Mohammad Abdoli, Fran Copelli, Frank Russo: Listening Effort in Eateries</p> <p>NOISE ACOUSTICS (Chair: Andy Metelka) Corjan Buma: Overview of recent project work at the MEANU</p>
11:00-11:20	<p>Cory McKenzie, Amberley Ostevik, Bill Hodgetts, Jacqueline Cummine, Daniel Aalto: Associations Between Musical Experience and Auditory Discrimination</p> <p>Mark Bliss: Developing the Port of Vancouver's Port Noise Rating Methodology</p>
11:20-11:40	<p>Katherine Marcoux, Benjamin V. Tucker, Mirjam Ernestus: Non-native Lombard speech intelligibility for native and non-native listeners</p> <p>Amir A. Iravani, Lucas Arnold: Innovative and Feasible Noise Mitigation Planning</p>
11:40-12:00	<p>William Hodgetts, Daniel Aalto, Jacqueline Cummine: Is Apple's Virtual Assistant Siri Familiar Enough to Lead to Better Understanding and Easier Listening Than an Unfamiliar Voice?</p> <p>Jean-Philippe Migneron, Jean-François Hardy, André Potvin, Jean-Gabriel Migneron: Studying noise assessment and policies to influence noise management in Quebec</p>
12:00-1:00	LUNCH & STUDENT PRESENTATION AWARDS (William Tomison Room)