

DAY ONE	WEDNESDAY 13 OCT 2010 Registration Open at 8:15, Marble Lobby		
8:50–8:55	Welcome		
8:55–10:00	Keynote Talk: Christine Erbe (Room: Spirit CD) <i>The Marine Soundscape and Effects of Noise on Aquatic Animals</i>		
10:00–10:20	COFFEE BREAK		
	ROOM: SPIRIT CD	ROOM: SPIRIT A	ROOM: SPIRIT B
10:20–12:20	BIOACOUSTICS	ADVANCED AUDIO APPLICATIONS	SOUNDSCAPES
12:20–1:20	LUNCH		
1:20–3:20	BIOACOUSTICS / OCEAN ACOUSTIC INVERSION	ADVANCED AUDIO / HEARING SCIENCES	SPEECH COMMUNICATION I: PROSODY
3:20–3:40	COFFEE BREAK		
3:40–5:00	OCEAN ACOUSTIC INVERSION	ACOUSTIC STANDARDS	SPEECH COMMUNICATION II: L1 & L2 ACQUISITION
5:00–10:00	Acoustics Standards Committee Meeting (All welcome, Suite 152)		
6:30–8:00	WELCOME RECEPTION (First Peoples Gallery, Royal BC Museum)		

DAY TWO	THURSDAY 14 OCT 2010 EXHIBITION: Marble Lobby 9:40–5:00		
8:35–9:40	Keynote Talk: Murray Hodgson (Spirit CD) <i>Evaluation and Control of Acoustical Environments in 'Green' (Sustainable) Office Buildings</i>		
9:40–10:20	COFFEE BREAK		
	ROOM: SPIRIT CD	ROOM: SPIRIT A	ROOM: SPIRIT B
10:20–12:00	SPEECH COMMUNICATION III: PERCEPTION	ARCHITECTURAL ACOUSTICS I	ACOUSTIC SEABED MAPPING / UNDERWATER ACOUSTICS I
12:00–1:00	LUNCH		
1:00–3:00	SPEECH COMMUNICATION IV: PRODUCTION	ARCHITECTURAL ACOUSTICS II	UNDERWATER ACOUSTICS I
3:00–3:40	COFFEE BREAK		
3:40–5:20	SPEECH COMMUNICATION V: PROCESSING & PERCEPTION	ARCHITECTURAL ACOUSTICS III	NOISE CONTROL
5:30–6:30	CAA ANNUAL GENERAL MEETING (Spirit CD)		
7:00–9:30	AWC 2010 BANQUET & AWARDS (Terrace Ballroom, Cash Bar open at 6:30)		

DAY THREE	FRIDAY 15 OCT 2010		
8:35–9:40	Keynote Talk: Garry Heard (Spirit CD) <i>Canadian Defence Research in Arctic Acoustics</i>		
9:40–10:00	COFFEE BREAK		
	ROOM: SPIRIT CD	ROOM: SPIRIT A	ROOM: SPIRIT B
10:00–12:20	UNDERWATER ACOUSTICS II	VIBRATION AND TRANSPORT VEHICLE NOISE	NOISE CONTROL / MUSICAL ACOUSTICS
12:30–1:30	LUNCH & STUDENT PRESENTATION AWARDS		

DAY ONE	WEDNESDAY 13 OCT MORNING Registration Open at 8:15, Marble Lobby		
8:50–8:55	Welcome		
8:55–10:00	Keynote Talk: Christine Erbe (Spirit CD) <i>The Marine Soundscape and Effects of Noise on Aquatic Animals</i>		
10:00–10:20	COFFEE BREAK		
	BIOACOUSTICS Chair: Christine Erbe Room: Spirit CD	ADVANCED AUDIO APPLICATIONS Chair: Jeremie Voix Room: Spirit A	SOUNDSCAPES Chair: Frank Russo Room: Spirit B
10:20–10:40	Jason Wood, Scott Veirs, Val Veirs & Dominic Tollit: How deep do you call? Depth localization in southern resident killer whales using passive acoustics	Brady Laska, Chris Forrester & Sean Simmons: Musical noise limits to speech enhancement	Frank Russo: The Toronto Sound Map project
10:40–11:00	Carolyn Ward & Paul Hines: Passive classification of marine mammal vocalizations using an automatic aural classifier	Christian Giguère, Chantal Laroche & Véronique Vaillancourt: Transmission characteristics of two tactical communication headsets with hearing protection capabilities	Jennifer Schine: Movement, memory and the senses in soundscape studies
11:00–11:20	Mariana Melcón, Amanda Cummins, Sean Wiggins & John Hildebrand: Assessing the effects of mid-frequency sonar on cetaceans in Southern California	Antoine Bernier & Jérémie Voix: Signal characterization of occluded in-ear versus free-air voice pickup on human subjects	Vincent Andrisani: Relocating the ear: A cross-cultural exploration of the electrified soundscape
11:20–11:40	David Bain: Bias in estimates of numbers of marine mammals affected by underwater noise	Engbert Wilmink & Pieter van 't Hof: DST a novel approach for noise dependent hearing protectors	Hein Schoer: The Sounding Museum: Two weeks in Alert Bay
11:40–12:00	Brendan Rideout, Stan Dosso & David Hannay: Underwater 3D passive acoustic Bayesian tracking of Pacific Walruses	Hugues Nelisse, Jerome Boutin, Martine Gendron & Tony Leroux: Measurements of noise exposure during wildfire air firefighting operations	Milena Droumeva: Mobile soundscape mapping
12:00–12:20	Tin Ma, Nicole Collison, James Theriault, Joe Hood & Sean Pecknold: Detection of precise time events for marine mammal clicks	Joachim Gossmann: Temporal metaphors in auditory strategies of environmental monitoring	Andrew Czink: Sound matters: Mediation, mimesis, and embodiment in soundscape music
12:20–1:20	LUNCH		

DAY ONE	WEDNESDAY 13 OCT EARLY AFTERNOON		
	BIOACOUSTICS Chair: Christine Erbe Room: Spirit CD	ADVANCED AUDIO APPLICATIONS Chair: Jeremie Voix Room: Spirit A	SPEECH COMMUNICATION I: PROSODY Chair: Sonya Bird Room: Spirit B
1:20–1:40	Samuel Johnston, Tracey Steig & David Ouellette: Fine-scale 3-D tracking of fish behavior in central California using acoustic tags	Anthony Brammer, Gongqiang Yu, Eric Bernstein, Martin Cherniack & Jennifer Tufts: Predicting the intelligibility of speech corrupted by nonlinear distortion	Masako Hirotsu: Use of pitch for processing emotions
1:40–2:00	Christine Erbe: Automatic signal detection in noise using entropy	Eric Bernstein, Anthony Brammer, Gongqiang Yu, Martin Cherniack & Donald Peterson: Ear cup selection for feedforward active noise reduction hearing protectors	Zita McRobbie-Utasi: Constraints on durational increase in boundary positions: A cross-linguistic study of languages with contrastive quantity
		HEARING SCIENCES Chair: Christian Giguère Room: Spirit A	
2:00–2:20	Diana Percy: Acoustic diversity and mating signals in the Psylloidea (Hemiptera)	Eric de Santis & Mark Gaudet: Noise levels in pubs and nightclubs in Vancouver	Barbra Zupan & Madeline Shiah: Examining vocal affect in natural versus acted expressions of emotion
2:20–2:40	Melanie Hart, Peter Belton & Gerhard Gries: The effect of fibril erection on hearing in male Aedes togoi: an open and shut case	Andrew Dobson & Bill Gastmeier: Occupational noise exposure in nightclubs	Yang Zhang, Angela Cooper & Yue Wang: Processing of speech and non-speech tonal information by native and nonnative tone language speakers: An event-related electrophysiological study
2:40-3:00	Omar Falou, Amin Jafari Sojahrood, Carl Kumaradas & Michael Kolios: Modeling the effect of shell thickness on high frequency ultrasound scattering from ultrasound contrast agents	Reinhart Frosch: Analysis of human oto-acoustic emissions	Qian Wang: Perception of stress on accented and unaccented words: A comparison between native and nonnative English speakers
	OCEAN ACOUSTIC INVERSION Chair: Stan Dosso Room: Spirit CD		
3:00–3:20	Michael Wilmut & Stan Dosso: Multiple source localization in an uncertain ocean environment	Alberto Behar & Willy Wong: Fit testing of hearing protectors	
3:20–3:40	COFFEE BREAK		

DAY ONE	WEDNESDAY 13 OCT LATE AFTERNOON / EVENING		
	OCEAN ACOUSTIC INVERSION Chair: Stan Dosso Room: Spirit CD	ACOUSTIC STANDARDS Chair: Tim Kelsall Room: Spirit A	SPEECH COMMUNICATION II: L1 & L2 ACQUISITION Chair: Masako Hirotsu Room: Spirit B
3:40-4:00	Jan Dettmer & Stan Dosso: Bayesian model selection using evidence computations	Tim Kelsall & Alberto Behar: Shift work, noise exposure and hearing loss	Sonya Bird: An ultrasound investigation of possible covert contrasts in early first language acquisition: the case of /sp ~ sw ~ sm/ > [f] merger
4:00-4:20	Jan Dettmer, Stan Dosso & Charles Holland: Transdimensional geoacoustic inversion	Gordon Reusing & Tim Wiens: Noise modelling versus reality under worst-case meteorological conditions	Allison Benner: Production and perception of laryngeal constriction in the early vocalizations of Bai and English infants
4:20-4:40	Marie-Noel Matthews: Estimating geoacoustic parameters of gassy sediment using low-frequency sound in St. Margaret's Bay NS	Alberto Behar, Tim Kelsall & David Shanahan: CSA and hearing conservation	Stephen Winters: The long-term retention of fine-grained phonetic details: Evidence from a second language voice identification training task
4:40-5:00	Gavin Steininger, Stan Dosso & Charles Holland: Determining acoustic scattering properties of marine sediments through Bayesian inversion	Tim Kelsall & Christian Giguère: The new CAA Acoustical Standards Committee	Ron Thomson & Paris Campagna: The effect of task type on native speaker judgments of L2 accented speech
5:00-10:00	Acoustics Standards Committee Meeting (All welcome, Suite 152)		
6:30-8:00	WELCOME RECEPTION (First Peoples Gallery, Royal BC Museum)		

DAY TWO	THURSDAY 14 OCT MORNING EXHIBITION: Marble Lobby 9:40–5:00		
8:35–9:40	Keynote Talk: Murray Hodgson (Spirit CD) <i>Evaluation and Control of Acoustical Environments in 'Green' (Sustainable) Office Buildings</i>		
9:40–10:20	COFFEE BREAK		
10:20–10:40 10:40–11:00 11:00– 11:20 11:20–11:40 11:40–12:00	SPEECH COMMUNICATION III: PERCEPTION Chair: Molly Babel Room: Spirit CD	ARCHITECTURAL ACOUSTICS I Chair: Murray Hodgson Room: Spirit A	ACOUSTIC SEABED MAPPING Chair: Stephen Bloomer Room: Spirit B
	Santiago Barreda & Terrance Nearey: How the role of F3 in vowel perception may be influenced by listener expectations	Ramani Ramakrishnan & Zarko Sopkic: Noise reduction potential of green roofs	Stephen Bloomer, Xavier Monteys & Ross Chapman: Multifrequency classification and characterization of single beam echosounder data offshore Ireland
	Mark Scott: Imagery-induced context effects	Maureen Connelly & Murray Hodgson: Measurement of the sound absorption characteristics of vegetative roofs	Ben Biffard, Steve Bloomer, Ross Chapman & Jon Preston: The role of echo duration in acoustic seabed classification and characterization
	Connor Mayer, Bryan Gick, Tamra Weigel & Douglas Whalen: Perceptual effects of visual evidence of the airstream	Bradford Gover & John Bradley: Measurement of speech privacy of closed rooms using ASTM E2638 and setting criteria in terms of speech privacy class	Ian Murfit: Seabed sediment classification and seafloor bathymetry using single beam hydro-acoustic echo backscatter
			UNDERWATER ACOUSTICS I Chair: Sean Pecknold Room: Spirit B
Terrance Nearey & Benjamin Tucker: A perceptual study of [liquid + stop] sequences	Jean-Philippe Migneron & Jean-Gabriel Migneron: Case study about speech privacy of integrated furniture in an open-plan office	Sean Pecknold, John Osler & Brendan DeTracey: A comparison of measured ocean acoustic ambient noise with estimates from RADARSAT remote sensing	
	Kevin Packer & Clifford Faszer: Reverberation measurement and prediction in gymnasia with non-uniformly distributed absorption: The importance of diffusion	Emma Murowinski & Cristina Tollefsen: Measurements and modelling of atmospheric acoustic propagation over water	
12:00–1:00	LUNCH		

DAY TWO	THURSDAY 14 OCT EARLY AFTERNOON EXHIBITION: MARBLE LOBBY 9:40–5:00		
	SPEECH COMMUNICATION IV: PRODUCTION Chair: Bryan Gick Room: Spirit CD	ARCHITECTURAL ACOUSTICS II Chair: Bradford Gover Room: Spirit A	UNDERWATER ACOUSTICS I Chair: Sean Pecknold Room: Spirit B
1:00–1:20	Donald Derrick & Bryan Gick: Two phonological segments, one motor event: Evidence for speech-motor disparity from English flap production	Murray Hodgson & Vincent Valeau: Design and testing of an antenna array for sound-source localization	Serguei Iakovlev, Adrien Lefieux, Jean-Francois Sigrist & Kyle Williston: Multiple shock loading on fluid-filled shell structures
1:20–1:40	Thomas Magnuson: A look into the plosive characteristics of Japanese /r/ and /d/	Zohreh Razavi: Acoustical challenges for a hospital chiller room addition	Serguei Iakovlev, Kyle Williston & Adrien Lefieux: Effect of structural enhancement on the acoustic response of a submerged fluid-filled cylindrical shell
1:40–2:00	Meaghan Delaney, Soraya Savji & Molly Babel: An acoustic and auditory comparison of implicit and explicit phonetic imitation	Ahmed Summan, Musarrat Nahid & Murray Hodgson: Evaluation of the noise-masking system in a community-health-care facility	Blair Kipple & Chris Gabriele: Underwater acoustic levels of Southeast Alaska cruise ships
2:00–2:20	Alexis Black: Gender differences in automatic phonetic accommodation	Ramani Ramakrishnan: Location of horn speakers in a reverberation room	Cristina Tollefsen & Sean Pecknold: Comparison of sound speed profile interpolation methods with measured profiles; effects on modelled and measured transmission loss
2:20–2:40	Noriko Yamane & Bryan Gick: Speaker-specific place of articulation: Idiosyncratic targets for Japanese coda nasal	Chris Bibby & Murray Hodgson: Characterization and improvement of scattering and absorption by architectural surfaces without the use of specialized facilities	Sean Pecknold, Cristina Tollefsen & John Osler: Acoustic propagation sensitivity to variability and uncertainty of the ocean environment: a comparison of modeled and measured data
2:40–3:00	Scott Moisik & John Esling: An examination of the acoustic contributions of the epilaryngeal tube	Ben Gaum & Ramani Ramakrishnan: Acoustical evaluation of temporary performance facilities	Reinhart Frosch: Evanescent liquid sound-pressure waves near underwater resonators
3:00–3:40	COFFEE BREAK		

DAY TWO	THURSDAY 14 OCT LATE AFTERNOON / EVENING EXHIBITION: MARBLE LOBBY 9:40–5:00		
	SPEECH COMMUNICATION V: PROCESSING & PERCEPTION Chair: Stephen Winters Room: Spirit CD	ARCHITECTURAL ACOUSTICS III Chair: Ramani Ramikrishan Room: Spirit A	NOISE CONTROL Chair: Clair Wakefield Room: Spirit B
3:40–4:00	Celia Shahnaz, Wei-Ping Zhu & Omair Ahmad: Pitch estimation from noisy speech based on residual-temporal information	Frances King, Stefan Schoenwald & Brad Gover: Effect of some floor-ceiling construction changes on flanking transmission	Clair Wakefield: Analysis and control of bridge expansion joint “croaking” noise
4:00–4:20	Yu-Tsai Wang: Voice acoustic analysis of Taiwanese adults with Dysarthria following stroke	Chip O’Neil: Providing “good”, “better” or “best” acoustical plumbing system proposals to cost sensitive clients	Andrew Williamson: Noise survey within patient care wards at the Royal Jubilee Hospital, Victoria BC
4:20–4:40	Molly Babel & Grant McGuire: Contrast salience and talker normalization in nonsibilant fricative perception	Johannes Klein, Berndt Zeitler and Bradford Gover: Effects of a concrete topping and modified resilient interlayers on sound transmission through a concrete floor	Marco Berci & Luigi Vigevano: A nonlinear geometrical acoustic model for sonic boom propagation
4:40–5:00	Marianne Pelletier, Huiwen Goy, Marco Coletta & Kathy Pichora-Fuller: Effect of age on lexical decision speed when sentence context is acoustically distorted	Behrooz Yousefzadeh & Murray Hodgson: Beam-tracing model for prediction of impulse responses, and effects of surface-reaction modelling and edge diffraction in rooms	Ramani Ramakrishnan: Validation of COMSOL multiphysics and acoustical performance of splitter-silencers
5:00–5:20		Bradford Gover, John Bradley, Trevor Nightingale, Berndt Zeitler & Stefan Schoenwald: Subjective ranking of low-frequency impact and footstep sounds on lightweight floor-ceiling assemblies	Andrew Williamson: Field impact insulation class (FIIC) testing of hardwood flooring on a variety of resilient underlayments in a concrete condominium building
5:30–6:30	CAA ANNUAL GENERAL MEETING (Spirit CD)		
7:00–9:30	AWC 2010 BANQUET & AWARDS (Terrace Ballroom, Cash Bar open at 6:30)		

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8:35–9:40	Keynote Talk: Garry Heard (Spirit CD) <i>Canadian Defence Research in Arctic Acoustics</i>		
9:40–10:00	COFFEE BREAK		
	UNDERWATER ACOUSTICS II Chair: Stefan Murphy Room: Spirit CD	VIBRATION AND TRANSPORT VEHICLE NOISE Chair: Joana da Rocha Room: Spirit A	NOISE CONTROL Chair: Clair Wakefield Room: Spirit B
10:00–10:20	Gary Brooke, Steven Kilistoff, Dale Ellis & David Thomson: Performance prediction via the Java Acoustic Model Interface	Rob Jozwiak: Effect of helicopter noise and vibration on healthcare facilities	Shira Daltrop, Murray Hodgson & Clair Wakefield: Experimental investigation of the effects of absorptive surfaces on the acoustical performance of a barrier in an anechoic chamber
10:20–10:40	Stan Dosso & Michael Wilmot: Bayesian acoustic source tracking and track prediction with environmental uncertainty	Joana da Rocha, Afzal Suleman & Fernando Lau: Prediction of flow-induced noise in aircraft cylindrical cabins	Werner Richarz & Tony Gambino: Features of low frequency wind turbine sound
10:40–11:00	Robert Barton & Kevin Smith: Characterization of scattered acoustic intensity fields in the resonance region of a motionless rigid sphere	Lixue Wu: A laser position sensing system for the study of vibration shaker tiling	Werner Richarz & Harrison Richarz: Post construction HVAC noise control
11:00–11:20	Caitlin O'Neill, Graham Warner & David Hannay: Verification of a bubble curtain model using an impulse response function for a towed source	Alexander Serov: Application of automatic data processing at the systems of condition monitoring of industrial equipment	Tyler Mose & Andrew Faszer: Air injection vacuum blower noise control
			MUSICAL ACOUSTICS Chair: Frank Russo Room: Spirit B
11:20–11:40	Stefan Murphy & Paul Hines: Temporal robustness of an automatic aural classifier	Stephan Paul, Andrey da Silva, Erasmo Vergara & Dinara da Paixão: Brazil's first undergraduate course in Acoustical Engineering	Frank Russo, Lola Cuddy & Alexander Galembó: The complementary roles of temporal and spectral processing in tonal perception of low-frequency tones
11:40–12:00	Dale Ellis & Sean Pecknold: Range-dependent reverberation and target echo calculations using the DRDC Atlantic Clutter Model		Kostas Zolotas & Sonya Bird: Lingual ultrasound of articulations made with the didgeridoo
12:00–12:20	Ross Chapman: Ocean bottom reflection loss from elastic solid materials: Reflections on reflectivity		Lisa Walker: Whale song or whale music? From a composer's perspective
12:30–1:30	LUNCH & STUDENT PRESENTATION AWARDS		