

## CONFERENCE PROGRAM – CAA HALIFAX 2006

**TUESDAY, 10 OCTOBER 2006**

1700 – 2100	CAA Board of Directors Meeting – Salon 7
1700 – 1900	Opening Registration

**WEDNESDAY, 11 OCTOBER 2006**

0800 – 1530	Conference Registration		
0845 – 0900	Conference Opening		
0900 – 1000	Plenary Session in Terrace Room: <b>Voice-Printing the Hermit Thrush (<i>Catharus guttatus</i>)</b> <b>Dennis Jones</b>		
1000 – 1040 Coffee Break – Terrace Patio			
<b>Terrace Room East</b>		<b>Terrace Room West</b>	
<b>Hearing Conservation I, Chair: Behar</b>		<b>Musical Cognition/Musical Acoustics I, Chair: Cohen</b>	
1040	Impulse Noise Hazard: What Do We Know? – Behar	1040	Perceived Holistic Health Effects of Three Levels of Music Participation – Bailey
1100	Impulse Measurement Considerations in Setting Occupational Noise Criteria – Kelsall	1100	The Emotionality of Music: Death Metal to Amazing Grace – Iversen and MacNeil
1120	In-depth Analysis of Workplace Noise Utilizing a Computer-based Process – Whitehead	1120	Agerian music: Genre classification – Fergani and Houacine
1140	“AlarmLocator”: A software tool to facilitate the installation of acoustic warning devices in noisy work plants – Al Osman <i>et al.</i>	1140	Investigating the Sound of an African Thumb Piano (Kalimba) – D. Chapman

1200 – 1300 Lunch – Botanica MeetingRoom			
Noise Control I, Chair: Sherry		Musical Cognition/Musical Acoustics II, Chair: Frankland	
1300	Atténuation effective apportée par l'utilisation d'une double protection auditive – Voix <i>et al.</i>	1300	The affect of short musical sequences with different melodic contours – Salmon and Frankland
1320	A Critical Analysis of Loudness Calculation Methods – Defoe <i>et al.</i>	1320	An Initial Exploration of Parallelism in Music: Equi-Temporal Three-Tone Diatonic Sequences - Frankland
1340	Experimental Validation of the Objective Measurement of Individual Custom Earplug Field Performance – Voix <i>et al.</i>	1340	Can Silence Affect Perception?: Duration and Frequency of Occurrence in Perceived Pitch Structure – Lantz and Cuddy
1400	Classification and Comparison of methods for characterising sound absorbing porous materials – Salissou and Panneton	1400	The Role of Music, Sound Effects & Speech on Absorption in a Film: The Congruence-Associationist Model of Media Cognition – Cohen <i>et al.</i>
1420 – 1500 Coffee Break – Terrace Patio			
Noise Control II, Chair: Sherry		Underwater Acoustics, Chair: Pecknold	
1500	Error Bounds, Uncertainties and Confidence Limits of Outdoor Sound Propagation - Sylvestre-Williams and Ramakrishnan	1500	Automatic classification of impulsive-source active sonar echoes using perceptual signal features from musical acoustics – Young <i>et al.</i>
1520	Acoustic Performance Investigation of Perforated Muffler Design using a One Dimensional Segment Model – Zuo <i>et al.</i>	1520	Geoacoustic inversion in a range-dependent environment under the assumption of range independence – Morley <i>et al.</i>
1540	Experimental Evaluation of Automotive Cabin Noise using Various Noise and Vibration Measurement Techniques – Radic <i>et al.</i>	1540	Quantifying ocean acoustic environmental sensitivity – Dosso <i>et al.</i>
1600	CSA Z107.10 Acoustical Standards in Canada – Sherry	1600	A Preliminary Study on the Geoacoustic Parameters of Gassy Sediments in St. Margaret's Bay, Nova Scotia. – R. Matthews <i>et al.</i>
1620	The Use of Environmental Noise Standards and Guidelines in Canada – Gastmeier	1620	Acoustic source localization with environmental uncertainty – Dosso and Wilmut
1640	Exact acoustical analysis of sound radiation from free vibration of rectangular Mindlin plates – Khorshidi <i>et al.</i>	1640	Sound pressure and particle velocity measurements from marine pile driving with bubble curtain mitigation – MacGillivray and Racca
1715-2230	CSA Standards Meeting – open to all interested persons in Salon 7, with field-trip to Ice Breaker		
1800-2100	CAA Halifax 2006 Ice Breaker at Ginger's featuring Gypsophilia		

**THURSDAY, 12 OCTOBER 2006**

0800 – 1530	Conference Registration		
0830 – 1700	Exhibits Open in Terrace Patio		
0900 – 1000	Plenary Session: <b>Variability in speech production and consequences for theories of speech perception</b> <b>Michael Kieft</b>		
1000 – 1040 Coffee Break – Terrace Patio			
<b>Terrace Room East</b>		<b>Terrace Room West</b>	
<b>Hearing Conservation II, Chair: Behar</b>		<b>Bio-acoustics I, Chair: Laurinoli</b>	
1040	An Acoustical Study of iPod Output: Effects of Headsets and Control Settings – Pereira <i>et al.</i>	1040	Localization of Right Whales using Matched Correlation Processing – Ebbeson and Desharnais
1100	Relating Use of Portable Audio Devices to Audiometric Thresholds in University Students – Garrido <i>et al.</i>	1100	Utility of acoustic location technology for studying avian dawn choruses: social dynamics of male black-capped chickadees – Foote <i>et al.</i>
1120	A Survey of the Use of Portable Audio Devices by University Students – Ahmed <i>et al.</i>	1120	A remotely-piloted acoustic array for studying sperm whale vocal behaviour – Schulz <i>et al.</i>
1140	An Acoustical Study of iPod Use by University Students in Quiet and Noisy Situations – Fallah and Pichora-Fuller	1140	Estimating the Acoustic Exposure of Marine Mammals to Underwater Noise – Carr and Frankel
1200 – 1300 Lunch – Botanica MeetingRoom			
<b>Cooling Fan Acoustics, Chair: Novak</b>		<b>Bio-acoustics II, Chair: Laurinoli</b>	
1300	Design and Testing of a Thermoacoustic System for Thermal Management – Akhavanbazaz <i>et al.</i>	1300	Comparing cricket ears – Morris
1320	Computational Aeroacoustics for Electronics Coolers – Defoe and Novak	1320	Automated detection of white whale ( <i>Delphinapterus leucas</i> ) vocalizations in St. Lawrence estuary and occurrence pattern – Bédard and Simard
1340	Graphics Processing Unit Cooling Solutions: Acoustic Characteristics – Nantais <i>et al.</i>	1340	Comparison of algorithms for the automatic recognition of Balaenopterid whale calls in noisy environment – Mouy <i>et al.</i>
1400	The Effect of Varying Heat Sink Fin Distances from Cooling Fan Blade Tip on Noise Emissions – Ule <i>et al.</i>	1400	ROCCA: A new tool for real-time acoustic species identification of delphinid whistles – Oswald <i>et al.</i>
1420	Comparative Study of Noise and Vibration Measurements of Computer Cooling Fans – Novak <i>et al.</i>		
1440 – 1520 Coffee Break – Terrace Patio			

<b>Architectural Acoustics, Chair: Quirt</b>		<b>Physical Acoustics, Chair: Mastikhin</b>	
1520	The effect of localized sound leaks on the speech privacy of closed rooms – Gover and Bradley	1520	An environmental noise impact assessment and forecasting tool for military training activities – Carr <i>et al.</i>
1540	Guide for flanking sound transmission in wood framed construction – Quirt <i>et al.</i>	1540	Magnetic Resonance Imaging of Acoustic Streaming in Gases – Newling <i>et al.</i>
1600	On Estimating Sound Power from A Few Single Point Measurements - Richarz	1600	Dynamics of the sonoluminescing bubble – Djurkovic <i>et al.</i>
1620	The Effect of Ancillary Volume on Sound Transmission Measurements Using ASTM Standard Test Method E336 – King and Nightingale	1620	Molecular dynamics simulation of the response of a gas to a spherical piston: Implications for sonoluminescence – Ruuth <i>et al.</i>
1640	Noise Control Provisions in Canada's Building Codes – Quirt and Nightingale	1640	Spatially resolved NMR relaxation of cavitating liquid – Mastikhin and Newling
1715 – 1815	CAA/ACA Annual General Meeting – Terrace Room		
1830 – 1930	Banquet Reception/Cocktails – Botanica MeetingRoom featuring pianist Harry Bentham		
1930 ⇒	Conference Banquet and Awards Ceremony – Botanica MeetingRoom featuring pianist Harry Bentham		

### FRIDAY, 13 OCTOBER 2006

0800 – 1030	Conference Registration		
0800 – 1200	Exhibits Open in Terrace Patio		
<b>Terrace Room East</b>		<b>Terrace Room West</b>	
<b>Speech and Hearing Sciences I, Chair: Adams</b>		<b>Sensors, Probes, and Arrays, Chair: Gover</b>	
0820	A cross-language vowel normalisation procedure – Morrison and Nearey	0820	Directivity patterns for a short line array of barrel-stave flextensional transducers – Jones
0840	An acoustic study of the African Nova-Scotian English vowel systems in North Preston and North Halifax – Moloissa <i>et al.</i>	0840	Underwater Communications Testing of the Multi-Mode Pipe Projector – Flemming <i>et al.</i>
0900	Objective Speech Quality Evaluation Using Markov Chain Monte Carlo Methods – Chen and Parsa	0900	Effect of cardioid and limaçon directional sensors on towed array reverberation response – Ellis
0920	Conversational Speech Intensity under Different Noise Conditions in Hypophonia and Parkinson's Disease – Adams <i>et al.</i>	0920	Spherical microphone arrays for analysis of sound fields in buildings – Gover
0940 – 1000 Coffee Break – Terrace Patio			

<b>Speech and Hearing Sciences II, Chair: Adams</b>		<b>High Frequency Acoustics/Communications, Chair: Crawford</b>	
1020	The effect of sentence repetition on speech intelligibility in noise – Larose <i>et al.</i>	1020	Modelling Pulse-to-pulse Coherent Doppler Sonar – Zedel
1040	Pitch perception of young cochlear implant users and normal hearing peers – McKinnon	1040	High frequency broadband acoustic channel estimation error analysis for St. Margaret's Bay during the Unet06 demonstrations – Gendron and Heard
1100	The role of formant amplitude in the perception of /i/ and /u/ in normal hearing listeners – Marshall <i>et al.</i>	1100	High frequency acoustic observations of episodic mixing events in Lunenburg Bay – Schillinger and Hay
1120	Making young ears old (and old ears even older): Simulating a loss of synchrony – MacDonald <i>et al.</i>	1120	High-frequency acoustic imaging of bio-degradation of wave-formed sand ripples on the inner continental shelf – Hay
1140	Hearing and Cognitive Performance in Low-Frequency Noise – Nakashima <i>et al.</i>	1140	Radiated noise and wake acoustic measurements around a maneuvering ship – Trevorrow <i>et al.</i>
<b>1200 – 1300 Lunch and Student Presentation Awards– Botanica MeetingRoom</b>			