

Program

Music as Human Communication: An HCSNet Workshop on the Science of Music Perception, Performance and Cognition

MARCS Auditory Laboratories, University of Western Sydney
 Bullecourt Ave, Milperra
 Conference Room 1, Building 23
 July 17-18 2006

Day 1	Music Perception, Performance, & Cognition
	Session 1: Music Cognition: Expectancies and Memory – Chair: Kate Stevens
9.00-10.00	Keynote #1: Music perception in nonmusician listeners: Understanding the context dependency of musical sounds. Barbara Tillmann, CNRS UMR 5020, Lyon, France
10.00-10.20	Music and affective priming Rick van der Zwan, Emily Melbourne, Daniel Waller, Southern Cross University
10.20-10.40	Prosody as individual music composition Robert Davidson, Queensland University of Technology
10.40-11.00	Memory for the pitch and tempo of familiar musical excerpts David Brennan & Kate Stevens, University of Western Sydney
11.00-11.30	Morning tea
11.30-11.50	Steps and leaps in human memory for melodies: The effect of pitch interval magnitude in a melodic contour discrimination task Tim Byron & Kate Stevens, University of Western Sydney
11.50-12.10	Jazz musicians and their communicative activities in performance: stimuli categories, preferences and strategies Emanuel Schmidt, independent researcher
12.10-12.30	Pocket Gamelan: performing microtonal music with mobile phones Greg Schiemer, University of Wollongong
12.30-2.00	Lunch (provided)
	Session 2: Early sensitivities, musical development, and neural response – Chair: Roger Dean
2.00-3.00	Keynote #2: Musical development Laurel Trainor, McMaster University
3.00-3.20	Melody perception by cochlear implant recipients Brett Swanson ^{1,2} , Hugh McDermott ² , Collette McKay ³ , Cathy Sucher ¹ , & Penny Stewart ¹ , ¹ Cochlear Ltd, ² University of Melbourne, ³ Aston University, UK
3.20-3.40	88 Reviews of 27 sonifications of the same EEG dataset Stephen Barrass, University of Canberra
3.40-4.10	Afternoon tea
	Session 3: Emotional Response – Chair: Emery Schubert
4.10-4.30	Affect in computer-generated music? Freya Bailes & Roger Dean, University of Canberra

4.30-4.50	The importance of differentiating musically induced emotion felt from emotion perceived Sherilene Carr & Nikki Rickard, Monash University
4.50-5.10	The role of spirituality within the musical experience Peter Atkins, University of New South Wales
5.10-5.30	Quantification of Gabrielsson's relationships between expressed and felt emotions Paul Evans ¹ & Emery Schubert ² , ¹ University of Illinois at Urbana-Champaign, ² University of New South Wales
5.30-6.00	Day 1 Summing up – Music and Human Communication Science
7.00	Dinner (included): Summerland Lebanese Restaurant, Bankstown
Day 2	Music, Communication, and Speech Technology
9.00-9.10	Overview of Priority Areas: Effective Interfaces; Human and Machine Speech
9.10-9.30	An exploration of the music category creation task Alexandra Uitdenbogerd, RMIT
9.30-9.50	Is music the key? An investigation of the effect of music on learning in virtual-immersive environments Eric Fassbender, Macquarie University
9.50-10.10	Influencing perceived musical emotions: The importance of performative and structural aspects in a rule system Steven R. Livingstone ¹ , Ralf Muhlberger ¹ , & Andrew R. Brown ² , ¹ The University of Queensland, ² Queensland University of Technology
10.10-10.30	Haptic-Audio Narrative: From physical simulation to imaginative stimulation Stephen Barrass, University of Canberra
10.30-11.00	Morning tea
11.00-11.20	Sonification of facial gestures Girija Chetty, University of Canberra
11.20-11.40	The use of physiological signals in generative art James Sheridan, The Australian National University
11.40-12.10	Demonstration – Pocket Gamelan: performing microtonal music with mobile phones Greg Schiemer, University of Wollongong
12.10-12.30	Brainstorm: begin small group discussion incl. KTH rules – Music and TTS
12.30-2.00	Lunch – continue discussion of Music & TTS
2.00-2.30	Music and TTS report back
2.30-3.30	Brainstorm: small group discussion – Music and ASR
3.30-4.00	Afternoon tea
4.00-4.30	Music and ASR report back
4.30-5.00	Day 2 Summing up and next steps including report back in 2 months
5.00-6.00	Drinks – Close