

Detailed Program

Summer School

Monday, December 1

CLB, Lobby	SummerFest Registration 8.00-9.00am			
	<p style="text-align: center;">Morning Session (Fundamentals) 9.00-12.30pm Morning Tea: 10.30-11.00am</p>		<p style="text-align: center;">Afternoon Session (Advanced) 2.00-5.30pm Afternoon Tea: 3.30-4.00pm</p>	
CLB Theatre 1	Cognitive Neuroscience: The Study of the Mind and Brain <i>Marlene Behrmann, Carnegie Mellon University</i>	Lunch (Quadrangle Food Court) 12.30-2.00pm	Cognitive Neuroscience: The Study of the Mind and Brain <i>Marlene Behrmann, Carnegie Mellon University</i>	Welcome Reception (Club Bar, Roundhouse) 6.00-9.00pm
CLB Theatre 2	Statistical Natural Language Processing <i>James Curran, University of Sydney</i>		Statistical Natural Language Processing <i>James Curran, University of Sydney</i>	
CLB Theatre 3	Designing Mobile Technology for Humans <i>Gary Marsden, University of Cape Town</i>		Designing Mobile Technology for Humans <i>Gary Marsden, University of Cape Town</i>	
CLB Theatre 4	Language and Learning to Read <i>Anne Castles, Macquarie University</i>		Language and Learning to Read <i>Anne Castles, Macquarie University</i>	



Summer School Tuesday, December 2

CLB, Lobby	SummerFest Registration 8.00-9.00am			
	Morning Session (Fundamentals) 9.00-12.30pm Morning Tea: 10.30-11.00am		Afternoon Session (Advanced) 2.00-5.30pm Afternoon Tea: 3.30-4.00pm	
CLB Theatre 1	Hearing by Eye <i>Ruth Campbell, University College London</i>	Lunch (Quadrangle Food Court) 12.30-2.00pm	Hearing by Eye <i>Ruth Campbell, University College London</i>	Meet the Presenters Reception (Club Bar, Roundhouse) 6.00-9.00pm
CLB Theatre 2	Emotional Machines <i>Catherine Pelachaud, Université de Paris</i>		Emotional Machines <i>Catherine Pelachaud, Université de Paris</i>	
CLB Theatre 3	The Rhythm and Melody of Language and Music <i>Ani Patel, The Neurosciences Institute</i>		The Rhythm and Melody of Language and Music <i>Ani Patel, The Neurosciences Institute</i>	
CLB Theatre 4	Word Structure <i>Laurie Bauer, Victoria University of Wellington</i>		Word Structure <i>Laurie Bauer, Victoria University of Wellington</i>	



HCSNet Skills and Speed Paper Sessions Wednesday, December 3

8.00-9.30am	SummerFest Registration <i>CLB Lobby</i>		
9.00-10.30am	How To – For PhDs CLB Theatre 1	Surviving Your PhD CLB Theatre 2	Writing Grant Proposals and Rejoinders CLB Theatre 3
	Enrolling in a PhD <i>Mark Wiggins</i>	Time Management <i>Robert Dale</i>	Writing Grant Proposals and Fellowship Applications <i>Mary O’Kane (NSW Chief Scientist and Engineer) Anina Rich</i>
How to Write a Thesis <i>Michael Maher</i>	Giving Presentations <i>Rick van der Zwan Mark Dras</i>		
10.30-11.00am	Morning Tea		
11.00-12.30pm.	How to Manage your Supervisor <i>Lyndsey Nickels</i>	How to Publish a Paper <i>Joe Wolfe</i>	Writing Rejoinders <i>Roger Dean</i>
	Life as a PhD Student <i>Jette Viethen Mary Broughton Pawel Mazur</i>	How to Get a Postdoc <i>Ruth Campbell David Alais</i>	
12.30-1.30pm	Lunch <i>Quadrangle Food Court</i>		
1.30-1.55pm	Speed Paper Session – CLB Theatre 6		
	Requests and Commitments in Email: The Audience Decides <i>Andrew Lampert (CSIRO)</i>		
	Analysing Social Knowledge <i>Stephen T. O’Rourke (University of Sydney)</i>		
	In-Browser Summarisation <i>Stephen Wan (CSIRO)</i>		
	I-coUld – Initiative for User-Central Design <i>David M. W. Powers (Flinders University)]</i>		
	Concept Map Mining: A Definition and a Framework for its Evaluation <i>Jorge Villalon (University of Sydney)</i>		
	<i>Break, Collect Forms, Questions (5mins) (Chair:Denis Burnham)</i>		
1.55-2.20pm	Semantic Awareness in Collaborative Writing <i>Rafael A. Calvo (University of Sydney)</i>		
	Sensory Sensitivity and Memory for Morse Code <i>Louise Hansen (James Cook University)</i>		
	Lollies vs Aliens: Engaging Children in Graded Probabilistic Learning <i>Ian Simpson (Macquarie University)</i>		



1.55-2.20pm	Evaluating Next-Generation Collaborative Telehealth Systems Duncan Stevenson (CSIRO)
	Collaborative Online Learning Aaron Tan (University of Queensland)
	<i>Break, Collect Forms, Questions (5 mins) (Chair: Denis Burnham)</i>
2.20-2.40pm	A Conscious Extension to Supervisory Control for Remote Robots Tom Gedeon (Australian National University)
	General Purpose Semantic Architecture Jai Gupta (University of Ballarat)
	Conversational Agents for Commercial Applications Glenys McLaughlin
	What is the Life Detector Detecting? Russell Reid (Southern Cross University)
	<i>Break, Collect Forms, Questions (4mins) (Chair: Denis Burnham)</i>
2.40-3.00pm	Individualized Cochlear Implant Sound Coding: Optimized Algorithms for Better Hearing David Grayden (University of Melbourne)
	Neurocognitive Substrates of Naming Facilitation in Aphasia Shiree Heath (University of Queensland)
	Maturation of Event-related Potentials (ERPs) in Adolescence Yatin Mahajan (Macquarie University)
	The Relationship between Auditory Processing and Prosodic Perception: An ERP Study Varghese Peter (Macquarie University)
	<i>Break, Collect Forms, Questions (4mins) (Chair: Denis Burnham)</i>
3.00-3.30pm	Afternoon Tea
3.30-3.55pm	Finger Coordination in the World of Winds Andre Almeida (University of New South Wales)
	How to Play the First Bar of <i>Rhapsody in Blue</i> Jer-Ming Chen (University of New South Wales)
	Rhythm and Gesture in an Arandic Sung Story Jenny Green (University of Melbourne)
	The GAEL Theory of Musical Preference Amy Price (Macquarie University)
	Emotional Response to Music Vivian Shek (University of New South Wales)
	<i>Break, Collect Forms, Questions (5mins) (Chair: Robert Dale)</i>
3.55-4.20pm	Visual-Spatial Cues in Disambiguating Multiple Spoken Messages David Cottrell (James Cook University)
	Automatic Assessment of Japanese Language Learners' Compositions Sunichi Ishihara (Australian National University)
	Tongue Twisters of Tone and Segment: Searching for Substantiation of Slip-ups in Spoken Chinese Heather Kember (University of Sydney)
	Interactions between Sound and Vision: Investigations into auditory synaesthesia Linda Sigmundsdottir (Macquarie University)
	Seeing by Ear: Brain Plasticity following Complete Vision Loss Catherine Wan (University of Melbourne)
	<i>Break, Collect Forms, Questions (5mins) (Chair: Robert Dale)</i>



4.20-4.45pm	Paying Attention to Language: A Neurological and Behavioural Examination of the Impact of Visual Cueing on Language Performance Carole-Ann Greig (University of Queensland)
	Can Preschool Boys with Speech, Language and Behaviour Problems Benefit from SUM&M? Beverly Joffe (La Trobe University)
	Txting: Is it Spoiling our Spelling? Nenagh Kemp (University of Tasmania)
	Children's Language Development and Interactive Toys Sofia Pardo (University of Melbourne)
	Second-language Perceptual Training from a PAM-L2 Perspective Michael Tyler (University of Western Sydney)
	<i>Break, Collect Forms, Questions (5mins) (Chair: Robert Dale)</i>
4.45-5.15pm	Action Coordination with Visually Presented Stimuli Lincoln Colling (Macquarie University)
	Integrating Real-Time Motion-Capture with Immersive Virtual Reality for Investigating Aspects of Human Perception and Action Glenn Davey (Southern Cross University)
	Hard-wired for Gender? Coralie MacHatch (Southern Cross University)
	Camera-Tracked Head Gestures in First Person Shooter Games Torben Sko (Australian National University)
	Application of the Differential Affect Gap (DAG) Effect in Music Emery Schubert (University of NSW)
	<i>Break, Collect Forms, Questions (4mins) (Chair:Robert Dale)</i>
5.15pm	Close
7.00-11.00pm	Conference Dinner (AJC, Randwick Racecourse)



Designing the Australian National Corpus Workshop (Day 1) Thursday, December 4

8.00am	Registration
9.00am	Plenary Address Paul Foulkes University of York, United Kingdom Criminal Voices CLB, Theatre 1 (Chair: David Copland)
10.00am	Plenary Discussion
10.30am	<i>Morning Tea</i>
11.00am	Workshop Keynote Address Pam Peters The Architecture of a Multipurpose Australian National Corpus Macquarie University, Australia CLB, Theatre 2
11.45am	Workshop Keynote Address Steve Cassidy Macquarie University, Australia Building Infrastructure to Support Collaborative Corpus Research CLB, Theatre 2
12.30pm	<i>Lunch</i>
2.00pm	Plenary Address Catherine Pelachaud Université de Paris 8, France Virtual Humanoid as an Expressive Human-machine Interface CLB, Theatre 1 (Chair: Lawrence Cavedon)
3.00pm	Plenary Discussion
3.30pm	<i>Afternoon Tea</i>
4.00pm	Progress Report on a Corpus of Indonesian Avery Andrews (Australian National University), Wayan Arka (Australian National University), Meladel Mistica (Macquarie University) and Jane Simpson (University of Sydney)
	Signed Language Corpora and Annotation From Archive to Corpus: Transcription and Annotation in the Building of the Auslan (Australian Sign Language) Corpus Trevor Johnston (Macquarie University)
	Enhancing the Value of a Linguistic Text Collection Andrew Margetts (Monash University)
	Including Email in an Australian National Corpus Andrew Lampert, (CSIRO) Robert Dale (Macquarie University) and Cécile Paris (CSIRO)
	Real Not Fake - We Need a Real AVT Corpus of Australian English David M. W. Powers (Flinders University)
	The Australian Speech Science Infrastructure (ASSI): Will We or Won't We? Denis Burnham (University of Western Sydney)
6.00pm	Close



Designing the Australian National Corpus Workshop (Day 2) Friday, December 5

8.00am	Registration
9.00am	Plenary Address Nancy Ide Vassar College, USA The American National Corpus: Then, Now and Tomorrow CLB, Theatre 1 <i>(Chair: Michael Haugh)</i>
10.00am	Plenary Discussion
10.30am	Morning Tea
11.00am	Language Documentation and an Australian National Corpus Simon Musgrave and Sarah Cutfield (Monash University)
	Exploring the Potential for Corpus-Based Research in Speech and Language Pathology Alison Ferguson (University of Newcastle)
	The Case for a Multimodal Australian National Corpus: Insights from an Analysis of Jocular Mockery in Australian English Michael Haugh (Griffith University)
12.00pm	Breakout discussion
12.30pm	Lunch
2.00pm	Plenary Address Malcolm Slaney Yahoo! Research and Stanford CCRMA Audio at the Speed of the Internet CLB, Theatre 1 <i>(Chair: Diego Molla-Aliod)</i>
3.00pm	Plenary Discussion
3.30pm	Afternoon Tea
4.00pm	Developing a Quality Spoken Component of the Australian National Corpus (AuNC) Jean Mulder, Cara Penry Williams and Debbie Loakes (University of Melbourne)
	Small-Scale and Large-Scale Corpus Analysis: Two Complementary Perspectives Monika Bednarek (University of Technology Sydney)
	Towards the Design of the Australian National Corpus (ANC) Phuong Dzung Pho (Monash University)
5.00pm	Panel discussion on Designing the Australian National Corpus
6.00pm	Close



Embodied Interaction in Mobile, Physical and Virtual Environments Workshop (Day 1) Thursday, December 4

8.00am	Registration
9.00am	Plenary Address Paul Foulkes University of York, United Kingdom Criminal Voices CLB, Theatre 1 <i>(Chair: David Copland)</i>
10.00am	Plenary Discussion
10.30am	Morning Tea
11.00am	Invited Talk The Role of Gesture in Face-to-Face Communication Barbara Kelly (University of Melbourne), Alexis Tabensky (University of NSW)
11.45am	Theme: Gesture in human-human interaction
	Stance-Taking in Multimodal Interaction Guy Edwards, Katharine Parton (University of Melbourne)
	Steps Towards an Ecology of Sign Systems: Multimodality in Arandic Sand Stories Jenny Green (University of Melbourne)
	Co-speech Gesture Research at UNSW: Gesture use by Second Language Learners and How Speakers use Gesture to Communicate Location Mark Tutton, Alexis Tabensky (University of NSW)
12.30pm	Lunch
2.00pm	Plenary Address Catherine Pelachaud Université de Paris 8, France Virtual Humanoid as an Expressive Human-machine Interface CLB, Theatre 1 <i>(Chair: Lawrence Cavedon)</i>
3.00pm	Plenary Discussion
3.30pm	Afternoon Tea
3.45pm	Theme: Virtual conversational agents
	Embodying and Interacting with Artificial Agents: Virtual & Robotic Possibilities Stelarc (University of Western Sydney)
	Beyond Reality Training Simulations for Social Situation Debbie Richards (Macquarie University)
	Establishing an Upper Bound for Automatic Prosody Generation Ilya Anisimoff (Macquarie University)
	Thinking Media Framework: Helping the Thinking Head Make Sense David M. Powers (Flinders University)
4.45pm	Invited Talk Urban Futures: A Performance Based Approach to Residential Design Marcus Foth (Queensland University of Technology)
5.30pm	Close



Embodied Interaction in Mobile, Physical and Virtual Environments Workshop (Day 2) Friday, December 5

8.00am	Registration
9.00am	Plenary Address Nancy Ide Vassar College, USA The American National Corpus: Then, Now and Tomorrow CLB, Theatre 1 (Chair: Michael Haugh)
10.00am	Plenary Discussion
10.30am	Morning Tea
11.00am	Theme: Physicality and Interaction
	Look and Feel: Searching Visual and Tactile Graphics Richard Lowe (Curtin University of Technology)
	Exertion Interactions Florian 'Floyd' Mueller, Frank Vetere, Martin Gibbs (University of Melbourne)
	Swing That Thing: Investigating the Potential of Body-Centric Technology to Poeticise Experience Danielle Wilde (CSIRO)
	Nonhuman Agents in the Orchestra Katharine Parton (University of Melbourne)
	Designing a Fully Interactive Environment using Gesture "In-the-Air" Dian Tjondronegoro, Zachary Fitz-Walter, Samuel Jones (University of Queensland)
	Constraint-Aware User Modelling and Recommendation in Physical Environments such as Museums Fabian Bohnert (Monash University)
12.30pm	Lunch
2.00pm	Plenary Address Malcolm Slaney Yahoo! Research and Stanford CCRMA Audio at the Speed of the Internet CLB, Theatre 1 (Chair: Diego Molla-Aliod)
3.00pm	Plenary Discussion
3.30pm	Afternoon Tea
4.00pm	Invited Talk Blended Spaces Gregor McEwan (National ICT Australia)
4.45pm	Theme: Telepresence
	Individual Representations of Self on MyTrac Hilary Davis (University of Melbourne)
5.00pm	Close



Voice and Voice Disorders Workshop

Thursday, December 4

8.00am	Registration
9.00am	<p style="text-align: center;">Plenary Address Paul Foulkes University of York, United Kingdom</p> <p style="text-align: center;">Criminal Voices CLB, Theatre 1 (Chair: David Copland)</p>
10.00am	Plenary Discussion
10.30am	Morning Tea
11.00am	Body Movement Patterns and Acoustic output in Western Contemporary Popular Singing Gemma Turner, Dianna T. Kenny (University of Sydney)
11.15am	From Talking to Thinking Heads: Components of Conversational Speech to Human-Head Engagement Denis Burnham (University of Western Sydney)
11.30am	Experiments with Lombard Speech Hansjörg Mixdorff (Technische Fachhochschule Berlin (University of Applied Sciences))
11.45pm	Does the Lombard Effect Improve Speech Segregation from a Background Noise? Maeva Garnier, Nathalie Henrich (University of NSW)
12.00pm	Principles of Motor Learning and Voice Training Cate Madill, Patricia McCabe and Kirrie Ballard (University of Sydney)
12.15pm	Voice Training: The Relationship between Habitual Vocal Technique and Vocal Health Beth Atkins, Patricia McCabe, Cate Madill (University of Sydney)
12.30pm	Lunch
2.00pm	<p style="text-align: center;">Plenary Address Catherine Pelachaud Université de Paris 8, France</p> <p style="text-align: center;">Virtual Humanoid as an Expressive Human-machine Interface CLB, Theatre 1 (Chair: Lawrence Cavedon)</p>
3.00pm	Plenary Discussion
3.30pm	Afternoon Tea
3.45pm	Short-term Vocal Stability Adam Vogel, Paul Maruff & Janet Fletcher (University of Melbourne)
4.00pm	Neurological Voice Disorders: Current Issues in Assessment and Treatment Deborah Theodoros (University of Queensland)
4.15pm	Voice Training in Parkinson's Disease: An Alternative Jaiprakash Gupta (University of Ballarat)
4.30pm	Laryngeal and Vocal Tract Adjustments in the Top Range of Sopranos Maeva Garnier, Nathalie Henrich, Joe Wolfe, John Smith (University of NSW)
4.45pm	Surgical Vocal Restoration in the Professional Voice User Mathew Broadhurst (FRACS) (Ear, Nose, Throat Surgeon)
5.00pm	Voice Care Injury in Teachers: Prevention Programmes to Minimise Occupational Voice Risk Cecilia Pemberton (Voice Care Australia)
5.15pm	An Investigation of Reduced Sensitivity to Emotional Prosody Lena Quinto, Bill Thompson (Macquarie University)
5.30pm	Close



Search and Information Extraction from Audio Data Workshop Friday, December 5

8.00am	Registration
9.00am	<p style="text-align: center;">Plenary Address Nancy Ide Vassar College, USA The American National Corpus: Then, Now and Tomorrow CLB, Theatre 1 (Chair: Michael Haugh)</p>
10.00am	Plenary Discussion
10.30am	Morning Tea
11.00am	<p>Extracting Performance Behaviours and Accuracy from Musicians, using the Note-Time Playing Path Deborah de Graaff and Emery Schubert (University of NSW)</p>
	<p>An Introduction to 'PAD' - the Percussive Audio Database Robert Bell, Anthony Bartel (Swinburn University of Technology), Stephen Barrass (University of Canberra)</p>
11.30am	<p>Sound Source Separation Algorithm Comparison using Japanese Popular Music Peter Somerville, Alexandra L. Uitdenbogerd (RMIT University)</p>
	<p>Direction Estimation using Acoustic Vector Sensors Muawiyath Shujau, Christian Ritz, Ian Burnett (University of Wollongong)</p>
	<p>A Technique for the Aural Recognition of Temporal Autocorrelation in Financial Market Time Series David Worrall (University of Canberra)</p>
12.00pm	<p>Statistical Sonifications for the Representation of Audio Data Sam Ferguson, Densil Cabrera (University of Sydney)</p>
12.30pm	Lunch
2.00pm	<p style="text-align: center;">Plenary Address Malcolm Slaney Yahoo! Research and Stanford CCRMA Audio at the Speed of the Internet CLB, Theatre 1 (Chair: Diego Molla-Aliod)</p>
3.00pm	Plenary Discussion
3.30pm	Afternoon Tea
4.00pm	<p>A Phonetic Search Approach to Spoken Term Detection Roy Wallace, Sridha Sridharan (Queensland University of Technology)</p>
	<p>Audio Information Extraction Research at QUT's Speech and Audio Research Laboratory Robbie Vogt, Brendan Baker, Sridha Sridharan (Queensland University of Technology)</p>
4.30pm	<p>The Prototype RMIT MIRT Sing Search System Alexandra Uitdenbogerd (RMIT University)</p>
	<p>Frequency Modulation Features for Speech Front-end Processing Tharmarajah Thiruvaran, Mohaddeseh Nosratighods, Eliathamby Ambikairajah, Julien Epps (University of NSW)</p>
5.00pm	<p>Extraction of Perceptual Formant Information from Cochlear Model Wenliang Lu (University of NSW)</p>
	<p>Spatial Analysis of Meeting Speech Scenes Eva Cheng (University of Wollongong)</p>
5.30pm	Close

