



**THE 22nd ANNUAL INTERNATIONAL CONFERENCE ON AUDITORY DISPLAY  
SONIC INFORMATION DESIGN**  
Australian National University, Canberra 3-7 July 2016

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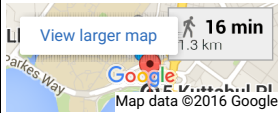
**NB: Poster Printing Service: See update on the [Submissions Info](#) page.**

**ACTIVE UPDATING**

## ICAD2016 PROGRAMME

Please check the conference website for updates: <http://icad.org/icad2016/>

**Presentation Requirement: Please note that to be included in the Proceedings, papers, posters etc must be presented in person by a conference-registered author.**

v0.11	SUNDAY		3 July 2016			
	Nr	TIME	PLACE	EVENT	DETAILS	DESCRIPTION
	0.1	9-12	LT2	STUDENT THINK TANK	Chair:Hiroko Teresawa	Presentations and Discussions by Research Students with a faculty panel of international researchers. See the <a href="#">ThinkTank page</a> .
	0.2	12:30	Lakeside	LUNCH	BBQ area across the footbridge from New Acton, next to the paddle boats. <a href="#">gmap</a>	
	0.3	13:30/14:00-17:00	LT2	THINK TANK (continued)		

MONDAY		4 July 2016				
Nr	TIME	PLACE	EVENT	AUTHOR	TITLE	
1	8.30	SofM L5	REGISTRATION			
2	9.00	LT3	WELCOME	ICAD 2016 Co-Chairs : David Worrall and Stephen Barrass		
3	9.30	LT3	ORAL PAPERS 1 Sonic Information Design	Daniel Verona and Camille Peres	<i>Exploring a Task-Analysis-Based Approach to Sonification Design</i>	PDF 38
4	10.00			Takuya Yamauchi	<i>Designing Sound Representations for Responsive Environments</i>	PDF 2
5	10.30			William Martens, Philip Poronnik and Darren Saunders	<i>Hypothesis-Driven Sonification of Proteomic Data Distributions Indicating Neurodegradation in Amyotrophic Lateral Sclerosis</i>	PDF 24
6	11.00	Café	COFFEE			
7	11.30	LT3	KEYNOTE ADDRESS 1	Viveka Turnbull Hocking	<i>A Design-led Approach: opening up a Cross-disciplinary Discourse into Design research</i>	
8	12.30	YouChoose	LUNCH			
9	14.00	LT3	ORAL PAPERS 2 Aesthetics, Philosophy, and Culture of Auditory Displays	Teresa Connors	<i>The Aesthetics of Causality: A Descriptive Account into Ecological Performativity: A Creative Research Practice</i>	PDF 17
10	14.30			Marc St. Pierre and Milena Droumeva	<i>Sonifying for Public Engagement: A Context-Based Model for Sonifying Air Pollution Data</i>	PDF 33

11	15.00			Dugal McKinnon, James Murphy and Mo Zareei.	<i>Lost Oscillations: Exploring a City's Space and Time with an Interactive Auditory Art Installation</i>	PDF 19
12	15.30	Café	COFFEE			
13	16.00	LT3	ORAL PAPERS 3 Sonic Information Design (cont'd)	Michael Quinton, Iain McGregor and David Benyon	<i>Sonifying the Solar System</i>	PDF 3
14	16.30			Ivica Bukvic	<i>3D Time-Based Aural Data Representation Using D4 Library's Layer Based Amplitude Panning Algorithm</i>	PDF 10
15	17:00	LT3		Keith Nesbitt, Paul Williams, Patrick Ng, Karen Blackmore and Ami Eidels	<i>Designing Informative Sound to Enhance a Simple Decision Task</i>	PDF 4
16	17.30	Wig & Pen Pub (School of Music)	RECEPTION - Free to conference attendees!			

TUESDAY		5 July 2016				
Nr	TIME	PLACE	EVENT	AUTHOR	TITLE	
17	9.00	LT3	ORAL PAPERS 4 Body and Mind	Steven Landry, Yuanjing Sun, Darnishia Slade and Myoungsoon Jeon	<i>Tempo-Fit Heart Rate App: Using Heart Rate Sonification as Exercise Performance Feedback</i>	PDF 9
18	9.30			Letizia Gionfrida, Agnieszka Roginska and Kent Friedman	<i>The Triple Tone Sonification Method to Enhance the Diagnosis of Alzheimers and Dementia</i>	PDF 23
19	10.00			Ruimin Zhang, Jaclyn Barnes, Joseph Ryan, Myoungsoon Jeon, Chung Hyuk Park and Ayanna Howard	<i>Musical Robots for Children with ASD Using a Client-Server Architecture</i>	PDF 7
20	10.30			Ridwan Ahmed Khan, Ram Avvari, Katherine Wykovic, Pooja Ranay and Myoungsoon Jeon	<i>Lifemusic: Reflection of Life Memories by Data Sonification</i>	PDF 8
21	11.00	Café	COFFEE			
22	11.30	LT3	KEYNOTE ADDRESS 2	George Khut	<i>Biofeedback and Beyond</i>	
23	12.30	YouChoose	LUNCH			
24	13.30	Foyer	POSTERS			
				Mark Ballora	<i>Music of Migration and Phenology: Listening to Counterpoints of Musk Ox and Caribou Migrations, and Cycles Of Plant Growth</i>	PDF 16
				Amit Barde, William Helton, Gun Lee and Mark Billingham	<i>Binaural Spatialisation Over a Bone Conduction Headset: Elevation Perception</i>	PDF 13
				Allan Coop	<i>Sonification, Musification and Synthesis of Absolute Program Music</i>	PDF 30
				Andrea Genovese, Jordan Juras, Christopher Miller and Agnieszka Roginska	<i>Investigation of ITD Symmetry in Measured HRIRs</i>	PDF 12
				Daeyoung Jang, Jae-Hyoun Yoo and Taejin Lee	<i>Implementation and Evaluation of 10.2 channel Microphone for UHD TV Audio</i>	PDF 11
				Steven Landry, David Tascarella, Myoungsoon Jeon and Maryam Fakhrhosseini	<i>Listen to Your Drive: Sonification Architecture and Strategies for Driver State and Performance</i>	PDF 9
				Fiore Martin, Oussama Metatla, Tony Stockman and Nick Bryan-Kinns	<i>Spectrum Analyser</i>	PDF 41
				Marlene Mathew, Mert Cetinkaya and Agnieszka Roginska	<i>BSONIQ: A 3-D EEG Sound Installation</i>	cancl
				Ryan McGee and David Rogers	<i>Musification of Seismic Data</i>	PDF 21

				Frank Pecquet and Maryann Carpenter	<i>Echo Design</i>	PDF 37
				Katieanna Wolf and Reid Oda	<i>MaLo March: A Live Sonified Performance with User Interaction</i>	PDF 26
25	15.00	Café	COFFEE			
26	15.30	LT3	INDUSTRY REPORT	Simon Carlile	<i>The What and Why of Hearables</i>	
27	16.00	LT3	ORAL PAPERS 5 Mobiles and Wearables	Jason Sterkenburg, Steven Landry, Myounghoon Jeon and Joshua Johnson	<i>Towards An In-Vehicle Sonically-Enhanced Gesture Control Interface: A Pilot Study</i>	PDF 15
28	16.30			John Dyer, Paul Stapleton and Matthew Rodger	<i>Sonification of Movement for Motor Skill Learning in a Novel Bimanual Task: Aesthetics and Retention Strategies</i>	PDF 27
29	17.00			Greg Schiemer	<i>Satellite Gamelan: microtonal sonification using a large consort of mobile phones</i>	PDF 51
30	18.00+		JAM SESSION at Smiths Alternative Bookshop ( <a href="#">gmap directions</a> )			

WEDNESDAY		6 July 2016				
Nr	TIME	PLACE	EVENT		PRESENTER	
			WORKSHOPS 1 (&/or tourism)			
31	9.00	LT1	<i>Layer-Based Amplitude Panning</i>		Ivica Ico Bukvic	
32	9.00	LT3	<i>The what and why of hearables</i>		Simon Carlile	
33	9.00	LT2	<i>Data Scarf</i>		Angelina Russo	
34	9.00	Computer Lab	<i>Sonification with Python and Csound</i>		David Worrall	
35	11.00	Café	COFFEE			
36	11.30		WORKSHOPS 1 (cont'd)			
37	12.30	YouChoose	LUNCH			
38	13.30	Board Room L6	ICAD BOARD MEETING			
			WORKSHOPS 2 (afternoon)(&/or tourism)			
39	13.30	LT1	<i>Using the microtonal Satellite Gamelan App</i>		Greg Schiemer	
40	13.30	LT2	<i>Biology Retrofit Rehearsal for Performance</i>		Nigel Helyer	
41	13.30	Nat. Portrait Gallery	<i>Neurofeedback &amp; Contemplative Interaction</i>		George Poonkhin Khut	
42	13.30	Computer Lab	<i>Hack Your ICAD Name Badge</i>		Tim Barrass	
43	15.00	Café	COFFEE			
44	15.30	Board Room L6	ICAD BOARD MEETING (cont'd)			
45	15.30	various	CONCERT PREPARATION			
46	17.30	Llewellyn Hall Stage	CONCERT - Free to conference attendees! (programme below)			
47	19.30	A.Baker	BANQUET Free to conference attendees! See <a href="#">Banquet</a> for map and directions.			

**CONCERT: LEWELLYN HALL STAGE, Wednesday 6 July at 17:30**

46	Featuring the ANU Experimental Music Studio (ANU EMS): Ellen Falconer, Millie Watson, Ben Harb, Benjamin Drury, Charles Martin				
Nr	TITLE	DESIGNERS	PERFORMERS	DESCRIPTION	PDF
46.1	<i>Transposed Dekany</i>	Greg Schiemer	ICAD participants and the ANU EMS	A microtonal performance using the Satellite Gamelan app.	
46.2	<i>BioLogging Retrofit</i>	Nigel Helyer	ANU EMS	A mechanical/performative sonification of environmental knowledge from Antarctic bio-Logging data.	
46.3	<i>MaLo March</i>	Katie Wolf and Reid Oda	Katie Wolf, Steven Landry and Daniel Verona	An audience-customised performance with MaLo, a predictive percussion instrument.	
46.4	<i>Hearing A Gene of Hearin</i>	Stephen Barrass	ANU EMS	Percussion Performance of a Gene of Hearing for 4 species on 4 Ubang clay drums.	
46.5	<i>PhaseRings for 6 iPads and Ensemble Director Agent</i>	Charles Martin	ANU EMS	An improvised iPad performance where performers are tracked and guided by an Ensemble Director Agent.	
46.6	<i>Atom Tone</i>	ANU EMS	Jirí Suchánek	A live sonification and aesthetic exploration of atomic spectra.	

THURSDAY		7 July 2016				
Nr	TIME	PLACE	EVENT	AUTHOR	TITLE	
48	9.00	LT3	ORAL PAPERS 6 Tasks and Attention	Anna Bramwell-Dicks, Helen Petrie and Alistair Edwards	<i>Can Listening to Music Make You Type Better? The Effect Of Music Style, Vocals And Volume On Typing Performance</i>	PDF 29
49	9.30			Toby Gifford	<i>Tuning into the Task: Sonic Environmental Cues and Mental Task Switching</i>	PDF 39
50	10.00			Clayton Rothwell, Griffin Romigh and Brian Simpson	<i>Aurally Aided Visual Search on a Monitor: Spatialized Virtual Audio Cues for Desktop Computers</i>	PDF 34
51	10.30			Derek Brock, Christina Waslyshyn, and Brian McClimens	<i>Word Spotting in a Multichannel Virtual Auditory Display at Normal and Accelerated Rates of Speech</i>	PDF 31
52	11.00	Café	COFFEE			
53	11.30	LT3	KEYNOTE ADDRESS 3	Adrian KC Lee	<i>Auditory Scene Analysis, Object Formation and Selection and their Implications with respect to Stream-Based Sonification</i>	
54	12.30	YouChoose	LUNCH - Gender Diversity Discussion Group (Kingsland Room, School of music, Level 6)			
55	13.30	LT3	ORAL PAPERS 7 3D Audio and Spatial Sound	Amit Barde, Matt Ward, William Helton, Mark Billinghurst and Gun Lee	<i>A Bone Conduction Based Spatial Auditory Display As Part of a Wearable Hybrid Interface</i>	PDF 14
56	14.00			Nandini Iyer, Eric Thompson and Brian Simpson	<i>Response Techniques And Auditory Localization Accuracy</i>	PDF 32
57	14.30			Griffin Romigh, Brian Simpson and Nandini Iyer	<i>In Ear to Out There: A Magnitude Based Parameterization Scheme for Sound Source Externalization</i>	PDF 35
58	15.00			Ziqi Fan, Yunhao Wan and Kyla McMullen	<i>Quantitatively Validating Subjectively Selected HRTFs for Elevation and Front-Back Distinction</i>	PDF 28
59	15.30	Café	COFFEE			
60	16.00	LT3	REPORTS & OPEN MIKE			
61	17.00		CONFERENCE CLOSE			
FRIDAY		8 July 2016				
62	Perisher Valley, NSW <a href="#">map</a>	Ski through the Gum Trees, tour led by Stephen Barrass To Join, book the Perisher Day Trip Snow Package on the <a href="#">Murrays Bus Website</a> . This which includes transport and gear hire for \$198. The <a href="#">one day ski lift ticket</a> is an additional \$133.				