



Australian Assistive Technology Conference
 14-16 November 2018 // Melbourne Convention and Exhibition Centre

Australian Assistive Technology Conference (AATC) DAY 1

Wednesday 14th November 2018

Room	Goldfields Theatre			
9.00 am - 9.30 am	<p>Conference Opening Libby Callaway & Tracey Bode, AATC Co-Convenors</p> <p>Welcome to Country</p> <p>Presidential Address Natasha Layton, ARATA President</p> <p>The Colour of Time (Dance Performance) Melinda Smith, Cerebral Palsy Education Centre</p>			
9.30 am - 10.30 am	<p>End Users: The Heart of Innovation Associate Professor Duncan Babbage, <i>Director of the Centre for eHealth & Associate Professor in Rehabilitation at the Centre for Person Centred Research, Auckland University of Technology</i></p>			
10.30 am - 11.00 am	Morning Tea in the Exhibition Hall (Multi-Function Space)			
Room	Courtyard Room	Eureka Room 1	Eureka Room 2	Eureka Room 3
Theme	AT Design	3D Printing, Imaging and Custom Design	Open Source AT	AT Policy & Funding
11.00 am - 11.20 am	<p>Disability Tek Noah Callan</p>	<p>Review of a prototyping kit to facilitate the development of client-specific adapted cutlery Iain Brown</p>	<p>Open source & the gold that lies within Tim McLennan</p>	<p>Choice and control: interpretive analysis of NDIS policy on assistive technology Emily Steel</p>

11.20 am - 11.40 am	Capacity building around Assistive Technology - A co-designed peer support model to building capacity and support decision making. Jocelyn Franciscus Claire McGuinness	Advanced Imaging and Manufacture in Custom Assistive Devices Peter Slattery	Using disruptive, human-centred design with a skilled open source community to deliver customised AT – a Solve/TAD approach Liz Doyle	Landscape of AT practice levels Michele Verdonck
11.40 am - 12.00 pm		A Customizable Program to Design Ankle Foot Orthoses for Children with Over-Pronation Julian Chua	Making It Real...a quick dive into Maker and Open Source AT Solutions David Harraway	Robust Credentialing Frameworks for Prescription of Assistive Technology Donna Markham
12.00 pm-1.00 pm Lunch in the Exhibition Hall (Multi-Function Space)				
Room	Courtyard Room	Eureka Room 1	Eureka Room 2	Eureka Room 3
Theme	Mobility	Transport and Travel	Technology for All	Housing (panel session)
1.00 pm -1.20 pm	Outcome measurement in Wheeled Mobility and Seating - what is the current evidence and future opportunities? Rachael McDonald	Use of 3D scanning technology to determine access for people using powered mobility devices on buses. Julian Chua	Technology for all: An advanced AT project in regional Australia Kelvin Kong	Using technology in housing: current opportunities and considerations in Australia Libby Callaway, Jono Bredin, Ben Carter, Kate Tregloan, Queenie Tran
1.20 pm -1.40 pm		Use of Assistive Devices for persons with intellectual disability to travel independently Sally Khoo	Innovations in Telepresence Practice and Policy Lauren Farrell	
1.40 pm-2.00 pm	Complex power wheelchair assessment: an example of ALS/disease oriented concepts Harald Sieweke	Using social return on investment analysis to value social impact of modified vehicles Angela Berndt	From zero to hero: how do you transition from an 'institution' to a smart home? Sarah Hockey, Sarah Milazzo, Lucy Brennan	AT Training (panel session) Assistive technology training: Identifying indicators for quality Trina Phuah, Sue Lord
2.00 pm -2.20 pm	Dynamic Arm support prescription for paediatric client with Spinal Muscular Atrophy Michelle Anesbury	Creating efficiencies through efficiency Fiona Wakeling	'The Perfect Storm': Continuity of Access to Assistive Technology Supports During the NDIS Transition Teagan Hegert	
2.20 pm - 3.00 pm Afternoon Tea in the Exhibition Hall (Multi-Function Space)				

<i>Room</i>	<i>Courtyard Room</i>	<i>Eureka Room 1</i>	<i>Eureka Room 2</i>	<i>Eureka Room 3</i>
Theme	Virtual, Augmented & Mixed Reality	International Perspectives	AT Use and Mobility	Rehab Engineering
3.00 pm -3.20 pm	The Challenges and Triumphs of AT: A User's Perspective Kerrie Potgieter, Clare White	Unpacking the GATE position paper on assistive technology provision Emily Steel	Providing Complex Wheelchair Services under the NDIS Belinda Carpenter	Rehabilitation Engineering Centre - How are we helping? Oliver Mason
3.20 pm -3.40 pm	Virtual, augmented and mixed reality; an exciting rehabilitation technique, a fad, or something in between? Rachael McDonald	The situation of assistive products in Bangladesh by comparing Priority Assistive Product List (APL) of World Health Organization (WHO) Mehedi Khan	Scripting power chairs, right chair for the right job and best outcome Ron Smelter	The role of Rehabilitation Engineering in Australian AT service delivery Iain Brown, Emma Friesen, David Hobbs, Kristen Morris, Peter Slattery, Robert Bingham, Bill Contoyannis
3.40 pm -4.00 pm			Soft wheel – the world's first in-wheel suspension system Steven Smart	
Room	Goldfields Theatre			
4.00 pm - 4.40 pm	AAC: From Both Sides Now Melinda Smith, Cerebral Palsy Education Centre Meredith Allan, ISAAC			
4.40 pm - 5.00 pm	ARATA 25-year Celebration			
5.00 pm-7.00 pm	Welcome Function Exhibition Hall (Multi-Function Space)			

Australian Assistive Technology Conference (AATC) DAY 2

Thursday 15th November 2018

Room	<i>Eureka Meeting Room</i>			
7.30 am-9.00 am	ARATA / AFDO / OTA Breakfast Forum on Assistive Technology Outcomes			
	Natasha Layton, ARATA	Anita Volkert, OTA	Ross Joyce, AFDO	Lynne Foreman <i>Every Australian Counts Champion</i>
				Carl Thompson <i>Lightside Consulting</i>
Room	<i>Goldfields Theatre</i>			
9.00 am-10.00 am	Experiences, Opportunities, Innovations and the NDIS Dr Lloyd Walker, National Disability Insurance Agency Kye Weedon, Freelance Software Developer			
10.00 am-10.30 am	Morning tea in the Exhibition Hall (Multi-Function Space)			
Room	<i>Courtyard Room</i>	<i>Eureka Room 1</i>	<i>Eureka Room 2</i>	<i>Eureka Room 3</i>
Theme	Access Methods	Education & Skill Development	AT Practice	Smart Speakers
10.30 am-10.50 am	The Switch Access Measure: a new reliable tool for assistive technology practitioners Annabelle Tilbrook	Teaching 'Design Thinking' to tomorrow's assistive technologists: The Swinburne University Design Factory Natasha Layton	We're not processing Tupperware orders - evolution of a high quality best practice assistive technology service delivery model Jeni Burton	Curious about 'smart speakers'? A demonstration and evaluation of Google Home, Siri and Amazon Echo Trina Phuah, Graeme Smith
10.50 am-11.10 am	Access Methods: An Assessment Framework for choosing the most efficient and effective method of controlling a computer or device. Sarah Solomon	A day in the life of a mainstream inclusive iPad classroom Jacqui Kirkman	An ad hoc multidisciplinary team service delivery model for custom and complex AT Iain Brown	
11.10 am-11.30 am	When More is Better: Multiple Access Options for Computers and Devices. Sarah Solomon	Simple set ups for environmental control at home, school or work Charlene Cullen	The role and support needs of non-clinical staff for assistive technology service in Australia Wendy Milgate, Madeleine Connor	

11.30 am-11.50 am	Electronic assistive technology - real life experiences, and strategies to promote success when introducing new technologies to people with disabilities. Sarah Hockey, Sarah Milazzo, Lucy Brennan	The future of skills development training in the AT world Lisa-Marie Gordon	Information Chains, Uses of Social Media Technologies and their Impact on Health Decision Making for People with Low Literacy Judith Molka-Danielsen, Susan Balandin	Towards an Assistive Technology Practitioner Directory: an update on ARATA's Credentialing Project Elizabeth Nade
11.50 am-12.10 pm	Building a consumer driven digital platform for care coordination Danny Hui	Creating AT opportunities: experiences of people exploring smart AT with health professionals Desleigh De Jonge	Analysis of Stability, Maneuverability in Manual Wheelchairs - Calculation and application of the Centre of gravity of a wheelchair user Bill Contoyannis	
12.10 pm-1.30 pm Lunch in the Exhibition Hall				
POSTER PRESENTATIONS Exhibition Hall (Multi-Function Space)				
Room	Courtyard Room	Eureka Room 1	Eureka Room 2	
Theme	AT Innovations	NDIS	Smart Technologies	
1.30 pm-1.50 pm	Driving innovations in Assistive Technologies: the Medical Device Partnering Program (MDPP) David Hobbs	Adding value for customers under the NDIS Lisa-Marie Gordon	HalleyAssist: Technology trials of a non-intrusive home automation and care system Philip Branch	
1.50 pm-2.10 pm	An Interactive and Therapeutic Gaming System to Encourage Bimanual Use - from Research to Market David Hobbs	Computer-related technology and environmental control: Challenges with the NDIS Graeme Smith	Piloting movement sensing technology in the delivery of cognitive support to people with TBI Libby Callaway	
2.10 pm-2.30 pm	Evidence to practice: designing better custom cushions Peter Slattery	Assistive technology as a pre-requisite for choice: the importance of connectivity, before expecting goals and planning. Claire Tellefson, Emily Steele	Opportunities through innovation: context aware technologies transforming the smart device into a companion Alicia Parry	
2.30 pm-3.00 pm Afternoon tea in the Exhibition Hall (Multi-Function Space)				

<i>Room</i>	<i>Courtyard Room</i>	<i>Eureka Room 1</i>	<i>Eureka Room 2</i>	<i>Eureka Room 3</i>
Theme	Panel	Eye Gaze	Neurological Conditions	iOS
3.00 pm-3.20 pm	Assistive Technology Curriculum in OT Courses – designing and shaping the future Natasha Layton, Robyn Lovell, Rachael McDonald, Michele Verdonk, Trina Phuah, Libby Callaway	Considerations and tips for getting started with eye gaze Charlene Cullen	Human Factors in the Evaluation and Use of Assistive Technology for Spinal Cord Impairment Patients Lawrence Quek	The Sky is the Limit (<i>Apple accessibility</i>) Christopher Hills, Garry Hills
3.20 pm-3.40 pm		Just like a mouse: Exploring software options for using eye gaze to control your windows computer. Charlene Cullen	Complex mobility solutions for clients with neuromuscular degenerative disorders and high level spinal cord Injuries Karthik Pasumarthy, Sandra Malkin	
3.40 pm-4.00 pm		High tech eye-gaze: Software & strategies to enhance practice Rachelle Baldock	Still here and needing assistive technology: the complex needs of polio survivors Stephanie Cantrill Peter Willcocks	
<i>Room</i>	<i>Goldfields Theatre</i>			
4.00 pm-5.00 pm	Human Rights and Technology: A Conflict or a Convergence? Alastair McEwin , <i>Australia's Disability Discrimination Commissioner</i> Graeme Innes AM , <i>Company Director, Lawyer and Public Speaker</i>			
5.00 pm-6.00 pm	ARATA AGM			

Australian Assistive Technology Conference (AATC) DAY 3

Friday 16th November 2018

<i>Room</i>	<i>Goldfields Theatre</i>
9.00 am-10.00 am	'My Assistive Technology Journey' Brian Clarke Split personality or dual diagnosis? Perspectives on AT in Aged Care Judy Gregurke , <i>National Manager, Aged Care Reform, COTA Australia, NACA</i>
10.00 am-10.30 am	Morning tea in the Exhibition Hall (Multi-Function Space)

<i>Room</i>	<i>Courtyard Room</i>	<i>Eureka Room 1</i>	<i>Eureka Room 2</i>	<i>Eureka Room 3</i>	<i>Goldfields Theatre</i>
Theme	Skills-Based Sessions	Communication	Housing		Workshop
10.30 am-10.50 am	Skills-based session Controlling the World Through Your Wheelchair Rachel Fabiniak, Magdalena Love	Through the lens of a camera: societal attitudes faced by young adults using AT Jacque Ripat	Assistive Technology and Home Automation - A Systems Engineering Perspective by an Assistive Technology User Sarah Hockey, Allan Hunter		Preparing good AT / home modifications assessments / advice under the NDIS Lloyd Walker, Rachel Schmidt
10.50 am-11.10 am		Speech generating devices – the experience and meaning ascribed to these devices Michele Verdonck	Housing accessibility for people with complex disability Sarah Hockey, Sarah Milazzo, Lucy Brennan		
11.10 am-11.50 am	<i>Skills-based session:</i> Learning movements for communication and accessing technology Fiona Beauchamp, Claire Cotter	Trials and Tribulations: adapting service delivery for better outcomes in Alternative and Augmentative Communication Nicola Hamilton	Converging worlds: Home Automation and Environmental Control Systems James Dean		
11.30 am-11.50 am		Eye-gaze access: myths dispelled Karyn Muscat, Emma Hughes	Motorised doors are not born equal – how to specify a system that works James Dean	<i>Skills-based session:</i> Measuring outcomes in AT service delivery Emma Friesen	
11.50 am-12.10 pm		AT-Node: An Evidence- Based Database to Synthesize Text Entry Performance of Computer and Communication Interfaces Sajay Arthanat	Is Google Home enough? Michele Verdonck, Carol Davis		

12.10 pm-1.30 pm Lunch in the Exhibition Hall (Multi-Function Space)

<i>Room</i>	<i>Courtyard Room</i>	<i>Eureka Room 1</i>	<i>Eureka Room 2</i>	<i>Eureka Room 3</i>	<i>Goldfields Theatre</i>
Theme	Customised AT & 3D Modelling	Switch Access & Control	Co-Design & User Experience	Mainstream Technology	AT Research
1.30 pm-1.50 pm	Windows to the World: Personal and professional journeys of creative, problem-solving opening doors to endless opportunities to explore the world. Deb Clark, Annabelle Tilbrook	Factors that enhance/inhibit children with CP to access switches for leisure and communication Fiona Beauchamp	How to make co-development of technology accessible for people living with dementia and family members: Lessons from the Florence Project. Jacki Liddle, Dennis Frost	Microsoft Accessibility Workshop David Masters	Informing Innovation: Pulling Together to Advance AT Research in Australia Desleigh De Jonge, Karen Schuhmann, Natasha Layton
1.50 pm-2.10 pm	<i>Skills-based session</i> 3D Modelling and Printing workshop: Improving availability and cost of custom Assistive Technology Tim McLennan, Karthik Pasumarthy	The difficulties of finding an efficient and robust language system for one and two switch scanners: Introduction to Core scanner. Benjamin Bond	What technology developers and prescribers need to know: Perspectives of people living with dementia and their care partners Jacki Liddle, Dennis Frost		
2.10 pm-2.30 pm		In control of my life using a single switch: stories of empowerment Maria White	Rocky Bay's experience in delivering this course to seven individuals living with disability/family carers Danielle Smitham		
Room	Goldfields Theatre				
2.30 pm-3.45 pm	Experience, Opportunities and Innovations in Technology: Shared Perspectives Assoc Prof Duncan Babbage , <i>Director of the Centre for eHealth & Associate Professor in Rehabilitation at the Centre for Person Centred Research, Auckland University of Technology</i> Assoc Prof Lisa O'Brien , <i>Monash University</i> Ricky Buchanan , <i>AT User and Innovator</i> Oli Pizzey-Stratford <i>Yr 10 Student/ Disability Advocate/ Sports person</i>				

3.45 pm – 4:00 pm	ARATA Awards <ul style="list-style-type: none">– AFDO AT User Award,– ARATA Soft Technology Award,– Engineers Australia Better Technology Award– Occupational Therapy Australia Award
4:00 pm – 4:30 pm	Conference close / Afternoon Tea