



# Australian Assistive Technology Conference (AATC) DAY 1

Wednesday 14th November 2018

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



9.00 am - 10.30 am	<b>AATC Conference Opening</b> <b>The Colour of Time</b> (Dance Performance) <b>Melinda Smith</b> Keynote Presentation: <b>Associate Professor Duncan Babbage, AUT, New Zealand</b>			
10.30 am -11.00 am	Morning Tea in Exhibition Hall			
<b>Theme</b>	<b>AT Design</b>	<b>3D Printing, Imaging and Custom Design</b>	<b>Open Source &amp; Education AT</b>	<b>AT Policy &amp; Funding</b>
11.00 am-11.20 am	Disability Tek <b>Callan, Mr Noah</b>	Review of a prototyping kit to facilitate the development of client-specific adapted cutlery <b>Brown, Dr Iain</b>	Open source & the gold that lies within <b>McLennan, Mr Tim</b>	Choice and control: interpretive analysis of NDIS policy on assistive technology <b>Steel, Dr Emily</b>
11.20 am-11.40 am	<i>Skill-based workshop</i> Capacity building around Assistive Technology - A co-designed peer support model to building capacity and support decision making. <b>Loizou-lake, Ms Danielle</b>	Advanced Imaging and Manufacture in Custom Assistive Devices <b>Slattery, Mr Peter</b>		Landscape of AT practice levels <b>Verdonck, Dr Michele</b>
11.40 am-12.00 pm		A Customizable Program to Design Ankle Foot Orthoses for Children with Over-Pronation <b>Loeskow, Mr Troy</b>	Cert IV in Assistive Technology Mentoring Rocky Bay's experience in delivering this course to seven individuals living with disability/family carers. <b>Smitham, Miss Danielle</b>	Robust Credentialing Frameworks for Prescription of Assistive Technology <b>Markham, Ms Donna</b>
12.00 pm-1.00 pm	Lunch in Exhibition Hall			
<b>Theme</b>	<b>Mobility</b>	<b>Transport and Travel</b>	<b>Technology for All</b>	<b>Housing (panel session)</b>
1.00 pm-1.20 pm	<i>Skill-based workshop</i> Outcome measurement in Wheeled Mobility and Seating - what is the current evidence and future opportunities? <b>Callaway, Ms Libby</b>	Use of 3D scanning technology to determine access for people using powered mobility devices on buses. <b>Chua, Dr. Julian</b>	Technology for all: An advanced AT project in regional Australia <b>Kong, Mr Kelvin</b>	Using technology in housing: current opportunities and considerations in Australia <b>Callaway, Ms Libby</b>

1.20 pm-1.40 pm	<b>McDonald, A/Prof Rachael</b>	Use of Assistive Devices for persons with intellectual disability to travel independently <b>Khoo, Ms Sally</b>	Innovations in Telepresence Practice and Policy <b>Farrell, Ms Lauren</b>	<b>Bredin, Mr Jono Carter, Mr Ben Tregloan, A/Prof Kate Tran, Ms Queenie</b>
1.40 pm-2.00 pm	Complex power wheelchair assessment: an example of ALS/disease oriented concepts <b>Sieweke, Mr Harald</b>	Using social return on investment analysis to value social impact of modified vehicles <b>Berndt, Dr Angela</b>	From zero to hero: how do you transition from an 'institution' to a smart home? <b>Hockey, Ms Sarah Milazzo, Ms Sarah Brennan, Ms Lucy</b>	<b>AT Training (panel session)</b> Assistive technology training: Identifying indicators for quality <b>Phuah, Ms Trina Lord, Ms Sue</b>
2.00 pm-2.20 pm	Dynamic Arm support prescription for paediatric client with Spinal Muscular Atrophy <b>Anesbury, Ms Michelle</b>	Creating efficiencies through efficiency <b>Wakeling, Miss Fiona</b>	Refurbish and Reissue of AT - Supporting Users and a Circular Economy <b>Gordon, Ms Lisa-Marie</b>	
2.20 pm -3.00 pm Afternoon Tea in Exhibition Hall				
<b>Theme</b>	<b>Virtual, Augmented and Mixed Reality</b>	<b>International Perspectives</b>	<b>AT Use and Mobility</b>	<b>Rehab Engineering</b>
3.00 pm-3.20 pm	The Challenges and Triumphs of AT: A User's Perspective <b>Potgieter, Mrs Kerrie White, Ms Clare</b>	Unpacking the GATE position paper on assistive technology provision <b>Steel, Dr Emily</b>	Providing Complex Wheelchair Services under the NDIS <b>Carpenter, Ms Belinda</b>	<i>Oral paper:</i> Rehabilitation Engineering Centre - How are we helping? <b>Mason, Mr Oliver</b>
3.20 pm-3.40 pm	<i>Skills-based workshop</i> Virtual, augmented and mixed reality; an exciting rehabilitation technique, a fad, or something in between? <b>McDonald, A/Prof Rachael</b>	The situation of assistive products in Bangladesh by comparing Priority Assistive Product List (APL) of World Health Organization (WHO) <b>Khan, Mr. Mehedi</b>	Scripting power chairs, right chair for the right job and best outcome <b>Smelter, Mr Ron</b>	<i>Panel</i> The role of Rehabilitation Engineering in Australian AT service delivery <b>Brown, Dr Iain Friesen, Ms Emma Hobbs, Mr David Morris, Ms Kristen Slattery, Mr Peter Bingham, Mr Robert Contoyannis, Mr Bill</b>
3.40 pm-4.00 pm		Constraints in the Assistive Technology System in Southern Africa <b>Matter, Ms Rebecca</b>	<i>AT spotlight:</i> Softwheel – the world's first in-wheel suspension system <b>Smart, Mr Steven</b>	

4.00 pm-5.00 pm	Keynote Presentation: <b>Melinda Smith &amp; Meredith Allan and ARATA 25-year celebration</b>
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5.00 pm-7.00 pm **Welcome Function in Exhibition Hall**

**Australian Assistive Technology Conference (AATC) DAY 2**  
Thursday 15<sup>th</sup> November 2018

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7.30 am-9.00 am	<b>ARATA Breakfast Session</b>
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9.00 am-10.00 am	<b>Keynote Presentation – Kye Weedon and Dr Lloyd Walker</b>
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10.00 am-10.30 am Morning tea and exhibition

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 <b>Tilbrook, Mrs Annabelle</b>	Teaching 'Design Thinking' to tomorrow's assistive technologists: The Swinburne University Design Factory <b>Layton, Dr Natasha</b>	We're not processing Tupperware orders - evolution of a high quality best practice assistive technology service delivery model <b>Burton, Mrs Jeni</b>	Curious about 'smart speakers'? Meet Google Home, Siri, Amazon Echo and Alexa. <b>Phuah, Ms Trina Smith, Dr Graeme</b>
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. <b>Solomon, Ms Sarah</b>	A day in the life of a mainstream inclusive iPad classroom <b>Kirkman, Mrs Jacqui</b>	An ad hoc multidisciplinary team service delivery model for custom and complex AT <b>Brown, Dr Iain</b>	

11.10 am-11.30 am	When More is Better: Multiple Access Options for Computers and Devices. <b>Solomon, Ms Sarah</b>	<i>AT spotlight:</i> Simple set ups for environmental control at home, school or work <b>Cullen, Ms Charlene</b>	The role and support needs of non-clinical staff for assistive technology service in Australia <b>Milgate, Ms Wendy Connor, Mrs Madeleine</b>
11.30 am-11.50 am	Assessing the usability and utility of a novel facial tracking system for switch access users with complex needs: pilot trial <b>Rich-Perrett, Miss Leonie</b>	The future of skills development training in the AT world <b>Gordon, Ms Lisa-Marie</b>	Information Chains, Uses of Social Media Technologies and their Impact on Health Decision Making for People with Low Literacy <b>Molka-danielsen, Professor Judith Balandin, Professor Susan</b>
11.50 am-12.10 pm	Electronic assistive technology - real life experiences, and strategies to promote success when introducing new technologies to people with disabilities. <b>Hockey, Ms Sarah Milazzo, Ms Sarah Brennan, Ms Lucy</b>	Creating AT opportunities: experiences of people exploring smart AT with health professionals <b>De Jonge, Ms Desleigh</b>	Analysis of Stability, Maneuverability in Manual Wheelchairs - Calculation and application of the Centre of gravity of a wheelchair user <b>Contoyannis, Mr Bill</b>
12.10 pm-1.30 pm	Lunch and exhibition with guided tours		
<b>Theme</b>	<b>AT Innovations</b>	<b>NDIS</b>	<b>Smart Technologies</b>
1.30 pm-1.50 pm	Driving innovations in Assistive Technologies: the Medical Device Partnering Program (MDPP) <b>Hobbs, Mr David</b>	Adding value for customers under the NDIS <b>Gordon, Ms Lisa-Marie</b>	HalleyAssist: Technology trials of a non-intrusive home automation and care system <b>Branch, A/Prof Philip</b>
1.50 pm-2.10 pm	An Interactive and Therapeutic Gaming System to Encourage Bimanual Use - from Research to Market <b>Hobbs, Mr David</b>	Computer-related technology and environmental control: Challenges with the NDIS <b>Smith, Dr Graeme</b>	Piloting movement sensing technology in the delivery of cognitive support to people with TBI <b>Callaway, Ms Libby</b>

2.10 pm-2.30 pm	Evidence to practice: designing better custom cushions <b>Slattery, Mr. Peter</b>	Assistive technology as a pre-requisite for choice: the importance of connectivity, before expecting goals and planning. <b>Tellefson, Ms Claire Steele, Ms Emily</b>	Opportunities through innovation: context aware technologies transforming the smart device into a companion <b>Parry, Ms Alicia</b>	
2.30 pm-3.00 pm Afternoon tea and exhibition				
<b>Theme</b>	<b>Panel</b>	<b>Eye Gaze</b>	<b>Neurological Conditions</b>	<b>iOS</b>
3.00 pm-3.20 pm	<i>Panel; Assistive Technology Curriculum in OT Courses – designing and shaping the future</i> <b>Layton, Dr Natasha Lovell, Ms Robyn McDonald, Dr Rachael Verdonk, Dr Michele Phuah, Ms Trina Callaway, Ms Libby</b>	Considerations and tips for getting started with eye gaze <b>Cullen, Ms Charlene</b>	Human Factors in the Evaluation and Use of Assistive Technology for Spinal Cord Impairment Patients <b>Quek, Mr Lawrence</b>	The Sky is the limit ( <i>Apple accessibility</i> ) <b>Hills, Mr Christopher Hills, Mr Garry</b>
3.20 pm-3.40 pm		Just like a mouse: Exploring software options for using eye gaze to control your windows computer. <b>Cullen, Ms Charlene</b>	Complex mobility solutions for clients with neuromuscular degenerative disorders and high level spinal cord Injuries <b>Pasumarthy, Mr Karthik Malkin, Mrs Sandra</b>	
3.40 pm-4.00 pm		High tech eye-gaze: Software & strategies to enhance practice <b>Baldock, Mrs Rachelle</b>	Still here and needing assistive technology: the complex needs of polio survivors <b>Cantrill, Ms Stephanie</b>	
4.00 pm-5.00 pm	Keynote Presentation: <b>Alistair McEwin &amp; Graeme Innes</b>			
5.00 pm-6.00 pm ARATA AGM				

# Australian Assistive Technology Conference (AATC) DAY 3

Friday 16<sup>th</sup> November 2018



Australian Assistive Technology Conference  
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9.00 am-10.00 am Keynote Presentation: **Judy Gregurke**

10.00 am-10.30 am Morning tea and exhibition

Theme	Skills-Based Sessions	Communication	Housing	Workshop
10.30 am-10.50 am	Skills-based session Controlling the World Through Your Wheelchair <b>Fabiniak, Ms Rachel Love, Ms Magdalena</b>	Through the lens of a camera: societal attitudes faced by young adults using AT <b>Ripat, Ms Jacquie</b>	Assistive Technology and Home Automation - A Systems Engineering Perspective by an Assistive Technology User <b>Hockey, Ms Sarah Hunter, Mr Allan</b>	<i>Skills-based workshop (1hr)</i> Preparing good AT / home modifications assessments / advice under the NDIS <b>Walker, Dr Lloyd Schmidt, Ms Rachel</b>
10.50 am-11.10 am		Speech generating devices – the experience and meaning ascribed to these devices <b>Verdonck, Dr Michele</b>	Housing accessibility for people with complex disability <b>Hockey, Ms Sarah Milazzo, Ms Sarah Brennan, Ms Lucy</b>	
11.10 am-11.30 am	<i>Skills-based session:</i> Learning movements for communication and accessing technology <b>Beauchamp, Ms Fiona Cotter, Mrs Claire Porter, Mrs Gayle</b>	Trials and Tribulations: adapting service delivery for better outcomes in Alternative and Augmentative Communication <b>Hamilton, Ms Nicola</b>	Converging worlds: Home Automation and Environmental Control Systems <b>Dean, Mr James</b>	

11.30 am-11.50 am			Motorised doors are not born equal – how to specify a system that works <b>Dean, Mr James</b>	<i>Skills-based session:</i> Measuring outcomes in AT service delivery <b>Friesen, Dr Emma</b>	
11.50 am-12.10 pm		AT-Node: An Evidence-Based Database to Synthesize Text Entry Performance of Computer and Communication Interfaces <b>Arthanat, Dr Sajay</b>	Is Google Home enough? <b>Verdonck, Dr Michele Davis, Ms Carol</b>		
12.10 pm-1.30 pm Lunch and guided tours					
<b>Theme</b>	<b>Customised AT &amp; 3D Modelling</b>	<b>Switch Access &amp; Control</b>	<b>Co-Design &amp; User Experience</b>	<b>Mainstream technology</b>	<b>AT Research</b>
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. <b>Clark, Ms Deb Tilbrook, Mrs Annabelle</b>	Factors that enhance/inhibit children with CP to access switches for leisure and communication <b>Beauchamp, Ms Fiona</b>	How to make co-development of technology accessible for people living with dementia and family members: Lessons from the Florence Project. <b>Liddle, Dr Jacki Frost, Mr Dennis</b>	<b>Skills workshop:</b> Microsoft accessibility	Informing Innovation: Pulling Together to Advance AT Research in Australia <b>De Jonge, Ms Desleigh Schuhmann, Ms Karen Layton, Dr Natasha</b>
1.50 pm-2.10 pm	<i>Skills-based session</i> 3D Modelling and Printing workshop: Improving availability and cost of custom Assistive Technology <b>McLennan, Mr Tim Pasumarthy, Karthik</b>	The difficulties of finding an efficient and robust language system for one and two switch scanners: Introduction to Core scanner. <b>Bond, Mr Benjamin</b>	What technology developers and prescribers need to know: Perspectives of people living with dementia and their care partners <b>Liddle, Dr Jacki Frost, Mr Dennis</b>		

2.10 pm-2.30 pm		In control of my life using a single switch: stories of empowerment <b>White, Mrs Maria</b>	Accessing exoskeleton technologies in research and clinical practice in Australia – The Consumer Experience <b>Leonard, Ms Trish</b>		
2.30 pm-4.00 pm	<b>Closing Plenary Session – Ricky Buchanan, Assoc Prof Duncan Babbage, Assoc Prof Lisa O’Brien ARATA Awards</b>				
4.00 pm-4.30 pm	<b>Conference Farewell</b>				