

Australian Assistive Technology Conference (AATC) DAY 1

Wednesday 14 November 2018

8.00 am – 9.00 am

REGISTRATION DESK OPEN

9.00 am -9.30 am

The Colour of Time

Melinda Smith

Goldfields Theatre

9.30 am - 10.30 am

End Users: The Heart of Innovation

A/Prof Duncan Babbage

Goldfields Theatre

10.30 am – 11.00 am

MORNING TEA IN EXHIBITION HALL (MULTI-FUNCTION SPACE)

11.00 am - 11.20 am

Disability Tek

Noah Callan

Courtyard Room

11.00 am - 11.20 am

Open Source & the gold that lies within

Tim McLennan

Eureka Room 2

11.00 am - 11.20 am

Review of a prototyping kit to facilitate the development of client-specific adapted cutlery

Iain Brown

Eureka Room 1

11.00 am - 11.20 am

Choice and control: interpretive analysis of NDIS policy on assistive technology

Emily Steel

Eureka Room 3

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

Courtyard Room

- 11.20 am - 11.40 am **Advanced Imaging and Manufacture in Custom Assistive Devices**
Peter Slattery
Eureka Room 1
- 11.20 am - 11.40 am **Using disruptive, human-centred design with a skilled open source community to deliver customised AT – a Solve/TAD approach**
Liz Doyle
Eureka Room 2
- 11.20 am - 11.40 am **Landscape of AT practice levels**
Michele Verdonck
Eureka Room 3
- 11.40 am – 12.00 pm **A Customizable Program to Design Ankle Foot Orthoses for Children with Over-Pronation**
Julian Chua
Eureka Room 1
- 11.40 am – 12.00 pm **Making It Real...a quick dive into Maker and Open Source AT Solutions**
David Harraway
Eureka Room 2
- 11.40 am – 12.00 pm **Robust Credentialing Frameworks for Prescription of Assistive Technology**
Donna Markham
Eureka Room 3
- 12.00 PM-1.00 PM LUNCH IN THE EXHIBITION HALL (MULTI-FUNCTION SPACE)**
- 1.00 pm -1.40 pm **Outcome measurement in Wheeled Mobility and Seating - what is the current evidence and future opportunities?**
Rachael McDonald
Courtyard Room
- 1.00 pm -1.20 pm **Use of 3D scanning technology to determine access for people using powered mobility devices on buses.**
Julian Chua
Eureka Room 1
- 1.00 pm -1.20 pm **Technology for all: An advanced AT project in regional Australia**
Kelvin Kong
Eureka Room 2

- 1.00 pm -1.40 pm Using technology in housing: current opportunities and considerations in Australia
Libby Callaway, Jono Bredin, Ben Carter, Kate Tregloan, Queenie Tran
Eureka Room 3
- 1.20 pm -1.40 pm Use of Assistive Devices for persons with intellectual disability to travel independently
Sally Khoo
Eureka Room 1
- 1.20 pm -1.40 pm Innovations in Telepresence Practice and Policy
Lauren Farrell
Eureka Room 2
- 1.40 pm-2.00 pm Complex power wheelchair assessment: an example of ALS/disease oriented concepts
Harald Sieweke
Courtyard Room
- 1.40 pm-2.00 pm Using social return on investment analysis to value social impact of modified vehicles
Angela Berndt
Eureka Room 1
- 1.40 pm-2.00 pm From zero to hero: how do you transition from an 'institution' to a smart home?
Sarah Hockey, Sarah Milazzo, Lucy Brennan
Eureka Room 2
- 1.40 pm-2.20 pm Assistive technology training: Identifying indicators for quality
Trina Phuah, Sue Lord
Eureka Room 3
- 2.00 pm -2.20 pm Dynamic Arm support prescription for paediatric client with Spinal Muscular Atrophy
Michelle Anesbury
Courtyard Room
- 2.00 pm -2.20 pm Creating efficiencies through efficiency
Fiona Wakeling
Eureka Room 1
- 2.00 pm -2.20 pm 'The Perfect Storm': Continuity of Access to Assistive Technology Supports During the NDIS Transition
Teagan Hegert
Eureka Room 2

2.20 pm – 3.00 pm

AFTERNOON TEA IN EXHIBITION HALL (MULTI-FUNCTION SPACE)

3.00 pm -3.20 pm

The Challenges and Triumphs of AT: A User's Perspective

Kerrie Potgieter, Clare White

Courtyard Room

3.00 pm -3.20 pm

Unpacking the GATE position paper on assistive technology provision

Emily Steel

Eureka Room 1

3.00 pm -3.20 pm

Providing Complex Wheelchair Services under the NDIS

Belinda Carpenter

Eureka Room 2

3.00 pm -3.20 pm

Rehabilitation Engineering Centre - How are we helping?

Oliver Mason

Eureka Room 3

3.20 pm -4.00 pm

Virtual, augmented and mixed reality; an exciting rehabilitation technique, a fad, or something in between?

Rachael McDonald

Courtyard Room

3.20 pm -3.40 pm

The situation of assistive products in Bangladesh by comparing Priority Assistive Product List (APL) of World Health Organization (WHO)

Mehedi Khan

Eureka Room 1

3.20 pm -3.40 pm

Scripting power chairs, right chair for the right job and best outcome

Ron Smelter

Eureka Room 2

3.20 pm -4.00 pm

The role of Rehabilitation Engineering in Australian AT service delivery

Iain Brown, Emma Friesen, David Hobbs, Kristen Morris, Peter Slattery, Robert Bingham, Bill Contoyannis

Eureka Room 3

3.40 pm -4.00 pm

Soft wheel – the world's first in-wheel suspension system

Steven Smart

Eureka Room 2

- 4.00 pm - 4.40 pm AAC: From Both Sides Now
Melinda Smith, Meredith Allan
Goldfields Theatre
- 4.00 pm - 4.40 pm **ARATA 25-year Celebration**
Goldfields Theatre
- 5.00 pm-7.00 pm **WELCOME FUNCTION & NETWORKING IN THE EXHIBITION HALL (MULTI-FUNCTION SPACE)**

Australian Assistive Technology Conference (AATC) DAY 2

Thursday 15 November 2018

- 7.30 am-9.00 am **ARATA / AFDO / OTA BREAKFAST FORUM ON ASSISTIVE TECHNOLOGY OUTCOMES**
Eureka Meeting Rooms
- 9.00 am-10.00 am Experiences, Opportunities, Innovations and the NDIS
Dr Lloyd Walker, Kye Weedon
Goldfields Theatre
- 10.30am – 11.00am MORNING TEA & NETWORKING IN EXHIBITION HALL (MULTI-FUNCTION SPACE)**
- 10.30 am-10.50 am The Switch Access Measure: a new reliable tool for assistive technology practitioners
Annabelle Tilbrook
Courtyard Room
- 10.30 am-10.50 am Teaching 'Design Thinking' to tomorrow's assistive technologists: The Swinburne University Design Factory
Natasha Layton
Eureka Room 1
- 10.30 am-10.50 am We're not processing Tupperware orders - evolution of a high quality best practice assistive technology service delivery model
Jeni Burton
Eureka Room 2

- 10.30 am-11.30 am Curious about 'smart speakers'? Meet Google Home, Siri, Amazon Echo and Alexa.
Trina Phuah, Graeme Smith
[Eureka Room 3](#)
- 10.50 am-11.10 am An Assessment Framework for choosing the most efficient and effective method of controlling a computer or device.
Sarah Solomon
[Courtyard Room](#)
- 10.50 am-11.10 am A day in the life of a mainstream inclusive iPad classroom
Jacqui Kirkman
[Eureka Room 1](#)
- 10.50 am-11.10 am An ad hoc multidisciplinary team service delivery model for custom and complex AT
Iain Brown
[Eureka Room 2](#)
- 11.10 am-11.30 am When More is Better: Multiple Access Options for Computers and Devices.
Sarah Solomon
[Courtyard Room](#)
- 11.10 am-11.30 am Simple set ups for environmental control at home, school or work
Charlene Cullen
[Eureka Room 1](#)
- 11.10 am-11.30 am The role and support needs of non-clinical staff for assistive technology service in Australia
Wendy Milgate, Madeleine Connor
[Eureka Room 2](#)
- 11.30 am-11.50 am Electronic assistive technology - real life experiences, & strategies to promote success when introducing new technologies to people with disabilities.
Sarah Hockey, Sarah Milazzo, Lucy Brennan
[Courtyard Room](#)
- 11.30 am-11.50 am The future of skills development training in the AT world
Lisa-Marie Gordon
[Eureka Room 1](#)
- 11.30 am-11.50 am Information Chains, Uses of Social Media Technologies and their Impact on Health Decision Making for People with Low Literacy
Judith Molka-Danielsen, Susan Balandin
[Eureka Room 2](#)

- 11.30 am-11.50 am Towards an Assistive Technology Practitioner Directory: an update on ARATA's Credentialing Project
Elizabeth Nade
[Eureka Room 3](#)
- 11.50 am-12.10 pm Building a consumer driven digital platform for care coordination
Danny Hui
[Courtyard Room](#)
- 11.50 am-12.10 pm Creating AT opportunities: experiences of people exploring smart AT with health professionals
Desleigh De Jonge
[Eureka Room 1](#)
- 11.50 am-12.10 pm Analysis of Stability, Maneuverability in Manual Wheelchairs - Calculation and application of the Centre of gravity of a wheelchair user
Bill Contoyannis
[Eureka Room 2](#)
- 12.10 pm – 1.30 pm LUNCH AND NETWORKING IN EXHIBITION HALL (MULTI-FUNCTION SPACE)**
- 1.30 pm-1.50 pm Driving innovations in Assistive Technologies: the Medical Device Partnering Program (MDPP)
David Hobbs
[Courtyard Room](#)
- 1.30 pm-1.50 pm Adding value for customers under the NDIS
Lisa-Marie Gordon
[Eureka Room 1](#)
- 1.30 pm-1.50 pm HalleyAssist: Technology trials of a non-intrusive home automation and care system
Philip Branch
[Eureka Room 2](#)
- 1.50 pm-2.10 pm An Interactive and Therapeutic Gaming System to Encourage Bimanual Use - from Research to Market
David Hobbs
[Courtyard Room](#)
- 1.50 pm-2.10 pm Computer-related technology and environmental control: Challenges with the NDIS
Graeme Smith
[Eureka Room 1](#)

- 1.50 pm-2.10 pm Piloting movement sensing technology in the delivery of cognitive support to people with TBI
Libby Callaway
[Eureka Room 2](#)
- 2.10 pm-2.30 pm Evidence to practice: designing better custom cushions
Peter Slattery
[Courtyard Room](#)
- 2.10 pm-2.30 pm Assistive technology as a pre-requisite for choice: the importance of connectivity, before expecting goals and planning.
Claire Tellefson, Emily Steele
[Eureka Room 1](#)
- 2.10 pm-2.30 pm Opportunities through innovation: context aware technologies transforming the smart device into a companion
Alicia Parry
[Eureka Room 2](#)
- 2.30 pm – 3.00 pm AFTERNOON TEA AND NETWORKING IN EXHIBITION HALL (MULTI-FUNCTION SPACE)**
- 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
[Courtyard Room](#)
- 3.00 pm-3.20 pm Considerations and tips for getting started with eye gaze
Charlene Cullen
[Eureka Room 1](#)
- 3.00 pm-3.20 pm Human Factors in the Evaluation and Use of Assistive Technology for Spinal Cord Impairment Patients
Lawrence Quek
[Eureka Room 2](#)
- 3.00 pm-3.20 pm The Sky is the Limit(*Apple accessibility*)
Christopher Hills, Garry Hills
[Eureka Room 3](#)
- 3.20 pm-3.40 pm Just like a mouse: Exploring software options for using eye gaze to control your windows computer.
Charlene Cullen
[Eureka Room 1](#)

| | |
|-------------------------|---|
| 3.20 pm-3.40 pm | Complex mobility solutions for clients with neuromuscular degenerative disorders and high level spinal cord Injuries Karthik Pasumarthy, Sandra Malkin Eureka Room 2 |
| 3.40 pm-4.00 pm | High tech eye-gaze: Software & strategies to enhance practice Rachelle Baldock Eureka Room 1 |
| 3.40 pm-4.00 pm | Still here and needing assistive technology: the complex needs of polio survivors Stephanie Cantrill Peter Willcocks Eureka Room 2 |
| 4.00 pm-5.00 pm | Human Rights and Technology: A Conflict or a Convergence? Alastair McEwin, Graeme Innes AM Goldfields Theatre |
| 5.00 pm- 6.00 pm | ARATA AGM |

Australian Assistive Technology Conference (AATC) DAY 3

Friday 16 November 2018

| | |
|--------------------------|--|
| 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 Goldfields Theatre |
| 10.00am – 10.30am | MORNING TEA AND NETWORKING IN EXHIBITION HALL (MULTI-FUNCTION SPACE) |
| 10.30 am-10.50 am | Controlling the World Through Your Wheelchair Rachel Fabiniak, Magdalena Love Courtyard Room |

- 10.30 am-10.50 am Through the lens of a camera: societal attitudes faced by young adults using AT
Jacque Ripat
Eureka Room 1
- 10.30 am-10.50 am Assistive Technology and Home Automation - A Systems Engineering Perspective by an Assistive Technology User
Sarah Hockey, Allan Hunter
Eureka Room 2
- 10.30 am-11.30 am Preparing good AT / home modifications assessments / advice under the NDIS
Lloyd Walker,
Goldfields Theatre
- 10.50 am-11.10 am Speech generating devices – the experience and meaning ascribed to these devices
Michele Verdonck
Eureka Room 1
- 10.50 am-11.10 am Housing accessibility for people with complex disability
Sarah Hockey, Sarah Milazzo, Lucy Brennan
Eureka Room 2
- 11.10 am-12.10 am Learning movements for communication and accessing technology
Fiona Beauchamp, Claire Cotter,
Courtyard Room
- 11.10 am-11.50 am Trials and Tribulations: adapting service delivery for better outcomes in Alternative and Augmentative Communication
Nicola Hamilton
Eureka Room 1
- 11.10 am-11.50 am Converging worlds: Home Automation and Environmental Control Systems
James Dean
Eureka Room 2
- 11.30 am-11.50 am Eye-gaze access: myths dispelled
Karyn Muscat, Emma Hughes
Eureka Room 1
- 11.30 am-11.50 am Motorised doors are not born equal – how to specify a system that works
James Dean
Eureka Room 2

| | |
|---------------------------|--|
| 11.30 am-11.50 am | Measuring outcomes in AT service delivery Emma Friesen Eureka Room 3 |
| 11.50 am-12.10 pm | AT-Node: An Evidence-Based Database to Synthesize Text Entry Performance of Computer and Communication Interfaces Sajay Arthanat Eureka Room 1 |
| 11.50 am-12.10 pm | Is Google Home enough? Michele Verdonck, Carol Davis Eureka Room 2 |
| 12.10 pm – 1.30 pm | LUNCH AND NETWORKING IN EXHIBITION HALL (MULTI-FUNCTION SPACE) |
| 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 Courtyard Room |
| 1.30 pm-1.50 pm | Factors that enhance/inhibit children with CP to access switches for leisure and communication Fiona Beauchamp Eureka Room 1 |
| 1.30 pm-1.50 pm | 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 Eureka Room 2 |
| 1.30 pm-1.50 pm | Microsoft Accessibility Workshop David Masters Eureka Room 3 |
| 1.30 pm-.2.30 pm | Informing Innovation: Pulling Together to Advance AT Research in Australia Desleigh De Jonge, Karen Schuhmann, Natasha Layton Goldfields Theatre |
| 1.50 pm-2.10 pm | 3D Modelling and Printing workshop: Improving availability and cost of custom Assistive Technology Tim McLennan, Karthik Pasumarthy Courtyard Room |

- 1.50 pm-2.10 pm The difficulties of finding an efficient and robust language system for one and two switch scanners: Introduction to Core scanner.
Benjamin Bond
Eureka Room 1
- 1.50 pm-2.10 pm What technology developers and prescribers need to know: Perspectives of people living with dementia and their care partners
Jacki Liddle, Dennis Frost
Eureka Room 2
- 2.10 pm-2.30 pm In control of my life using a single switch: stories of empowerment
Maria White
Eureka Room 1
- 2.10 pm-2.30 pm Rocky Bay's experience in delivering this course to seven individuals living with disability/family carers
Danielle Smitham
Eureka Room 2
- 2.30 pm-3.45 pm Experience, Opportunities and Innovations in Technology: Shared Perspectives
Assoc Prof Duncan Babbage, Assoc Prof Lisa O'Brien, Ricky Buchanan, Oli Pizzey-Stratford
Goldfields Theatre
- 3.45 pm – 4:00 pm **ARATA Awards**
AFDO AT User Award,
ARATA Soft Technology Award,
Engineers Australia Better Technology Award
Occupational Therapy Australia Award
Goldfields Theatre
- 4:00 pm – 4:30 pm **CONFERENCE FAREWELL & AFTERNOON TEA**