

# PROGRAM Day 1

\*This program is subject to change. Current as at 18 September 2023.



Design and Technology Teachers' Association  
National & State Conference 2023

**BRIDGING THE GAP**  
EDUCATION TO INDUSTRY 4.0

datta.wa.edu.au/conference

30 November - 1 December  
Edith Cowan University, Perth

## Thursday 30 November 2023

07:30 - 17:00	Registration and information desk open						
08:30 - 09:00	Welcome and formalities						
09:00 - 09:45	<b>Keynote presentation 1: Diversity &amp; Inclusion – a personal journey to mining</b> Kellie Carey, Specialist Trades and Training, Roy Hill						
09:46 - 10:30	<b>Keynote presentation 2: Charting new pathways: Space as an enabler for tomorrow's STEM leaders</b> Dr Newton Campbell Jr., Director of Space Programs, Australian Remote Operations for Space and Earth (AROSE) Consortium						
10:32 - 10:58	Morning tea and trade displays						
Time	Session	Presentations			Workshops		Primary Stream
		Technology Stream	Workshop Stream	Curriculum Stream	Session 1.04	Session 1.05	Session 1.06
11:00 - 12:00	1	<b>Session 1.01</b> <b>Bridging the Gap Panel: Adapting University Technology Education to Western Australian Industry Needs</b> Carol Puddicombe, Design & Technology Secondary Education Co-ordinator, Edith Cowan University Tim Keely, STEM Outreach Coordinator, Curtin University Shaun Lane, Technology Educator, Hale School Troy Santen, Managing Director, Zeff Energy	<b>Session 1.02</b>	<b>Session 1.03</b>	<b>Session 1.04</b>	<b>Session 1.05</b> <b>OnGuard Safety – what is all the fuss about anyway?</b> Bruce Lewis, OnGuard Safety Training	<b>Session 1.06</b> <b>Empowering the future: Exploring Design Technologies in Primary Education</b> Gabrielle Trinca, Catholic Education Western Australia
		<b>Session 2.01</b> <b>Using Shaper3D for Design and Technology using iPads in years 6-8</b> Angelica Franco Alvarez, Scotch College	<b>Session 2.02</b> <b>Design: Education to Industry</b> Erica Mason, Murdoch University	<b>Session 2.03</b> <b>Building a strong foundation: Bridging the gap between primary industries and education with PRIMED resources</b> Samn Gibbs-Jones, Rossmoyne State High School			
12:05 - 13:05	2						
13:10 - 13:50	Lunch and trade displays						
Time	Session	Presentations			Workshops		Primary Stream
		Session 3.01	Session 3.02	Session 3.03	Session 3.04	Session 3.05	Session 3.06
13:55 - 14:55	3	<b>Session 3.01</b> <b>Introduction to the upcoming Fab Futures professional development programme for teachers in WA</b> Wendy Neale, The Fab Foundation	<b>Session 3.02</b>	<b>Session 3.03</b> <b>Curriculum updates: Engineering Studies:</b> Eddie Cecins, Curriculum Advisory Committee <b>Design:</b> Peter Pooley, Prendiville Catholic College <b>Materials Design and Technology:</b> Marco Tolomei, Curriculum Advisory Committee	<b>Session 3.04</b>	<b>Session 3.05</b> <b>I have signed up to OnGuard Safety – now how do I get the best out of all its features?</b> Craig Heufel, OnGuard Safety Training	<b>Session 3.06</b> <b>Primary bites – short presentations</b> <b>1. Teaching Design and Technologies to a multi-aged group</b> Chloe Scott, Eneabba Primary School <b>2. Innovate &amp; Skate: Using the design process to create tech decks with your students</b> Grant Haggerty, Christchurch Grammar School <b>3. Title TBA</b> , Claire Daniels, Santa Clara Primary School <b>4. TBA</b>
		<b>Session 4.01</b> <b>Robotics in D&amp;T: How to bring the FIRST Lego League and FIRST Robotics Competition into the classroom</b> Steve Warwick, Ashdale Secondary College	<b>Session 4.02</b>	<b>Session 4.03</b> <b>Democratising technology classrooms</b> Toby Hurd and Chris Gray, Mater Dei College			
15:00 - 16:00	4						
16:00 - 17:00	Close of Day 1 with prize draw for Day 1 attendees						
18:00 - 21:00	<b>Conference dinner</b> Ivy and Jack restaurant (located at the Holiday Inn Perth City Centre)						

# PROGRAM Day 2

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## Friday 1 December 2023

08:00 - 16:00	Registration and information desk open					
08:30 - 09:00	Welcome and formalities					
09:00 - 09:45	<b>Keynote presentation 3: Renewable Energy and Green Industry: Future energy needs, technology and innovation in green industry and the role D&amp;T will play in the careers of the future</b> Rob Hunn, Regional Manager, Fortescue Future Industries					
09:46 - 10:30	<b>Keynote presentation 4: Training and careers in the performing arts</b> Assoc Prof Richard Reddrop, Western Australian Academy of Performing Arts (WAAPA)					
10:32 - 10:58	Morning tea and trade displays					
Time	Session					
		Session 5.01	Session 5.02	Session 5.03	Session 5.04	Session 5.05
11:00 - 12:00	5	<b>Circular economy and circular design: Giving students the keys to a more sustainable future</b> Chelsea McLean, Circular Economy Pioneers	<b>WAAPA behind the scene – workshop and facility tour</b> Assoc Prof Richard Reddrop, Western Australian Academy of Performing Arts (WAAPA)	<b>Student-driven learning: Encouraging Design and Technology students to embrace uncertainty and develop advanced problem-solving skills</b> Steve McLean, Scotch College		<b>OnGuard Safety – what is all the fuss about anyway?</b> Bruce Lewis, OnGuard Safety Training
		<b>Introduction to the upcoming Fab Futures professional development programme for teachers in WA</b> Wendy Neale, The Fab Foundation	<b>WAAPA behind the scene – workshop and facility tour</b> Assoc Prof Richard Reddrop, Western Australian Academy of Performing Arts (WAAPA)	<b>Building a strong foundation: Bridging the gap between primary industries and education with PRIMED resources</b> Samn Gibbs-Jones, Rossmoyne State High School		
12:05 - 13:05	6					
13:10 - 13:50	Lunch and trade displays					
Time	Session	Presentations			Workshops	
		Technology Stream	Workshop Stream	Curriculum Stream	Session 7.04	Session 7.05
13:55 - 14:55	7	<b>Onshape CAD – a new platform for design in schools</b> Julian Wilmot, Melville Senior High School	<b>Robotics in D&amp;T: How to bring the FIRST Lego League and FIRST Robotics Competition into the classroom</b> Steve Warwick, Ashdale Secondary College	<b>How to start General/ATAR Mechatronics Engineering at your school</b> Simon Tilley, Wesley College		<b>I have signed up to OnGuard Safety – now how do I get the best out of all its features?</b> Craig Heufel, OnGuard Safety Training
		<b>Curriculum Updates: Engineering Studies:</b> Eddie Cecins, Curriculum Advisory Committee <b>Design:</b> Peter Pooley, Prendiville Catholic College <b>Materials Design and Technology:</b> Marco Tolomei, Curriculum Advisory Committee		<b>Democratising technology classrooms</b> Toby Hurd and Chris Gray, Mater Dei College		
15:00 - 16:00	8					
16:05 - 16:30	Conference close with prize draw for Day 2 attendees					
16:30 - 17:00	<b>DATTA Annual General Meeting</b>					
17:00 - 18:00	Networking and closing drinks					