2017 STEM Education Conference: Innovation
Thursday 28 September

Time	Session	Presenter	Topic
8:00 - 8:20	Registration		
8:20 - 8:30	Welcome:		
8:30 - 8:45		Peter Klinken WA Chief Scientist	Aboriginal welcome, STEM defined, futures
8:45 – 9:00		Minister for education	STEM Policy, STEM in Education
9:00 - 10:00	Keynote 1	David Joyce	MD of innovation Rio Tinto
10:00 - 10:40	Morning Tea		Principal's morning Tea with David Joyce
10:40 – 11:40	Keynote 2	Industry Panel	Industry and Innovation: Deloite, Bankwest, Synergy, Woodside, DSTO
11:50 - 12:50 Workshops	A1	Ian Miles	Principal's round table with Ian Miles https://clwb.org/
Primary	A2	Ray Sutton	Why, what and How of coding in schools.
Secondary	A3	Rachael Lehr	Hooking Girls into STEM
All	A4	Robyn Bull	The Wonder of Science Approach - Promoting a STEM Culture in Queensland Schools
	A5	Rhonda Armenti	Making a STEM Project happen
	A6	Mahmood Hussein	Drones technology for tomorrows jobs
	A7	Paul Newhouse	Putting two Ts into STEM
	A8	Brad Howard	STEM Success-making it relevant!
	A9	Michael Valentine	Hale School Future School model
	A10	Yvonne Harrison	STEM Whole school strategies
	A11	Renee Hoareau	Day of STEM- Stem career mentoring online
12:50 - 1:50	Lunch		
1:50 - 2:50	Keynote 3	Judy Anderson	Current Approaches to STEM Education in Schools: What have we learnt so far?
3:00 – 4:00 Workshops	B1	Judy Anderson	Leading change in STEM Education
	B2	Rachael Whitney Smith	reSolve: Teaching Mathematics by Inquiry with a STEM context
	B3	Paul Smargiassi	STEM Tools
	B4	John Williams	Research in STEM
	B5	Karen Wood	Facing STEM Challenges at Millen PS: An Early Childhood Perspective
	B6	Vaille Dawson	Supporting Secondary STEM teacher Education Students placed in Disadvantaged Schools
	B7	Rachael Lehr	Embedding Digital Technologies into Authentic Learning Experiences
	B8	Rachel Sheffield	Let's DREAM: The Future of STEM
	B9	Yvonne Harrison	Digital Technologies in the Primary School
	B10	Sarah Chapman	Engaging the Future of STEM
	B11	Ashdale Cluster	Our Stem Journey and the design process behind it
4:00 – 5:00	Sundowner		Reflections of Day 1

6:30 - 10:00	Conference Dinner		Crown
6:30 - 7:00	Pre-dinner Drinks		Crown Ballroom
7:00 – 10:00	Conference Dinner		Welcome: Her Excellency the Honourable Kerry Sanderson AC
			Dinner Speaker 1: CSIRO – Prof Mike McWilliams Future Science Platforms: a multi-year, multi-disciplinary investment in our collective future - bringing CSIRO and partners together to work on the big ideas.
			Dinner Speaker 2: Rio Tinto – Women in STEM Kellie Parker

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8:00 – 8:20	Registration			
8:20 – 8:30	Welcome:			
8:30 – 8:45		Mark Hackling	Aboriginal welcome, STEM Learning Project	
8:45 – 9:45	Keynote 1	Ian Myles	Innovative schools and AI/VR technology	
9:55 – 10:40 45 minutes Concurrent	Principal speakers	1. Disruption, innovation & employment Kerryl Bradshaw from Advisian	2. Industry Partnerships Principal Speakers ALCOA & Scitech 4. QLD STEM	3. STEM Awards MTQ and STEM Competitions Education
10:40 – 11:20	Morning Tea			
11:20 – 12:20	C1	Penny Crossland	The Bookmark Project	
	C2	Rachael Whitney Smith	Unlocking the Maths in Nature	
	C3	Ray Sutton	Digital Technologies and the Curriculum	
	C4	Jody Crothers	Innovator Ideas	
	C5	Mandy Seargent	Coding with Sphero SPRK+	
	C6	Jasmine Chan	Technology: Supporting a Positive STEM Trajectory	
	C7	Ray Williams	STEM with the Nspire Calculator	
	C8	Judy Anderson	Where is the M in STEM	
	C9	Simon Tilly	Mars landing and the Development of STEM	
	C10	Rebecca Loftus	CoderDojo: From Club to classroom	
	C11	Alessandra Morrone	K – yr 6 integrated STEM tasks	
	C12	Walter Green	Gamechanger Awards & Engineering in Schools Primary	
12:30 – 1:30	D1	Alex Paljetak	Micro:bits	
	D2	Rachael Whitney Smith	Unlocking the Maths in Science	
	D3	Deanne Poole	Digital Technology for the Early Years	
	D4	Jody Crothers	Coding for Maths	
	D5	Brett Sullivan	Interschool eSports	
	D6	Sarah Hill	STEM Breakout	
	D7	Johanna Stalley	STEM resources K-12	

	D8	Michael Caldwell	STEM Perth Montessori School
	D9	Helen Cockerill	Using QR Codes in the classroom
	D10	Amista Nielson	Sustainability, STEM and Sport
	D11	Samantha White	STEAM and Design thinking
	D12	Rebecca McKinney	Agriculture and STEM Shenton College
	D13	Walter Green	Game changer Awards & Engineering in Schools Secondary
1:30 – 2:30	**Lunch**		
2:30 – 3:30	E1	Daniel Budd	Integrating coding into Mathematics with Swift Playgrounds
	E2	Mary Rice	Joey Maths - Bound for Success
	E3	Peter Merrotsy	Lessons from history
	E4	Ernest Tan	Mathspace - the Right Help at the Right Time for Every Student
	E5	Siew Yap	Critical Thinking Skills in the Science Classroom
	E6	Derek Hurrell	Using the M in STEM as a starting point
	E7	Daniel Pikler	Moving beyond textbooks — Stile demonstrates online interactive science lessons
	E8	Robin Clarke	Integrated STEAM/STEM programs Primary School
	E9	Geoffrey Kaye	Integrating STEAM through project based challenges
	E10	Sam Moyle	Pokescience Hunt – AR in the classroom
	E11	Tim Keely	iSTEM Project in Primary Schools- First Lego league
	E12	Sonia Hueppauff	Cognitive acceleration- a conduit to help teachers develop (Just Think Cognition)
3:40 – 4:50	Panel Discussion		STEM the TREND
4:50 – 5:00	Conference Close		Reflections of Day 2 / Evaluation
5:00 – 6:00	**Sundowner**		