

Australasian Simulation Congress

2 – 5 September 2019
Gold Coast Convention and Exhibition Centre,
Gold Coast, Australia

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SimHealth
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SimTecT
Asia-Pacific Simulation Training Conference & Exhibition

SERIOUS GAMES
SHOWCASE & CHALLENGE
(AUSTRALASIA)

BALANCE & DISRUPTION

AUSTRALASIAN SIMULATION CONGRESS (ASC) Day 1
Monday, 2 September 2019

MASTERCLASSES

9.00am – 12.45pm	Introduction to Systems Thinking, Modelling & Simulation Jawahar Bhalla	Use of Virtual, Augmented and Mixed Reality in Defence - from Training to Battlefield Situational Awareness Adrian Webb	Using Simulation to Develop and Assess Situation Assessment Skills in Complex Organisational Settings Mark Wiggins	Virtual and Augmented Reality - Recent Advances in Healthcare Liam McGuire & Dr Walter Greenleaf
12.15pm – 4.30pm	Escape Room: exploring team dynamics (offsite) Dr Diane Dennis			
1.15pm – 5.00pm	"The Right Narrative - Scenario Writing for Simulation, Mastering Scenarios with Mission Threads and SISO's Guideline for Scenario Development" Kevin Galvin	3D Printing - an Essential Primer Matthew Mac Partlin & Dr Ryan McMullan	Essential techniques for after action review and debrief - ensuring training maximal effectiveness Jawahar Bhalla & Dr Komal Bajaj	Harnessing the potential of social media- learning, teaching and career development Jessica Stokes-Parish & Professor Victoria Brazil

AUSTRALASIAN SIMULATION CONGRESS (ASC) Day 2

Tuesday, 3 September 2019


8.30am	Conference Opening & Welcome to Country					Arena 1B
9.00am	Keynote Presentation Dr. Walter Greenleaf					Arena 1B
9.45am	Keynote Presentation Prof. Marek Kowalkiewicz					Arena 1B
10.30am	Morning Tea					Exhibition Hall
	Arena 1B	Arena 1A	Room 5	Room 6	Room 7	
	SIMHEALTH <i>Chair: Sharon Clipperton</i>	SIMHEALTH	SIMHEALTH <i>Chair: Cyle Sprick</i>	SIMTECT <i>Chair: Samantha Dix</i>	SIMHEALTH <i>Chair: Robyn Dickie</i>	
11.00am	"For your SA": Insights from a Situation Awareness Training Study Dr Susannah Whitney	In Situ Sim: The Good, The Bad & The Ugly. Stuff You Need to Know Russell Metcalfe-Smith	LLETZ just do it! Simulation Training for Cervical Excision Procedures Dr Sarah Janssens	MED-E-SIM: Inspiring health care study/career in secondary school students through simulated learning Mr Alberto Au	Realism and presence in simulation: Nursing student perceptions and learning outcomes Mrs Sharon Maclean	
11.18am	T2IPING (Team Training for Inter-Professional Insight, Networking, and Guidance) Point: Integrating a High Fidelity, Simulation-based Inter-Professional Team Training Program into a Health Sciences Center Dr John Paige		The Effect of Simulation-Based Education On Students' Attitudes And Perceptions In Cardiorespiratory Physiotherapy Dr Laura Brown	Using Simulation to Explore the Feasibility of Wearable Interactive Telepresence Technology to Support Remote Clinicians Treating Patients with Traumatic Injuries Mr Matthew Shuker	Medical Student Simulation Scenarios Written, Delivered and Debriefed by Peers Assoc Prof Leo Nunnink	
11.36am	Hierarchy and medical error: Speaking up when witnessing an error. A systematic review identifying the limitation of speaking up training in the simulated environment Mr Rod Peadon		Implementing the transvaginal ultrasound simulation training (TRUSST) programme for obstetric registrars Dr Sally Byford	Use of mixed reality overlays on manikin simulator to replicate clinical deterioration of patient Mr Matthew Shuker	JasperVR: Development of an innovative Virtual Reality program for nursing students Professor Debra Kiegaldie	
11.54am	Focusing the 'gaze' on facilitators of simulation Dr Elysebeth Leigh		Using moulage to enhance high fidelity re-sternotomy simulations Mr Tom Hallahan	Automated Surgical Skills Assessment through AI-based Simulation Techniques Mr. XuanAnh Nguyen	Can Simulation Foster Resilience In Medical Students? Dr Natasha Yates	

12.12pm	Human performance in the maritime control room: Using simulation for exploring team cognition and information layer design Jessica Irons		How to enhance high fidelity surgical simulations to equally engage all of the surgical trauma team Tess Vawser	Looking good Sister! The use of a virtual world to develop nursing skills Pauletta Irwin	Medical Students as Simulation Educators – outcomes from an immersion experience Victoria Brazil
12.30pm	Lunch ASSH Meeting			Exhibition Hall Arena 1B	
	Arena 1B	Arena 1A	Room 5	Room 6	Room 7
	SERIOUS GAMES		SIMHEALTH	SIMHEALTH <i>Chair: Dr Diane Dennis</i>	SIMHEALTH <i>Chair: Stephanie Barwick</i>
1.30pm	Digital Australia Report 2020: The Power of Games Professor Jeffrey Brand <i>1.30pm – 2.15pm</i>	Using the ADELIS Model approach to facilitate design of simulation-based teaching, learning and assessment Dr Amanda Davies	An introduction to an innovative two-phase simulation debrief approach Colleen Ryan	Facilitating an interprofessional Bush Medicine Simulation for 1st year medical students' and Koorie nursing students; challenges and lessons Kellie Britt	Multi-modal learning using virtual reality simulation in neonatal resuscitation: A new educational approach Ms Jessica Williams
1.48pm				Needs analysis of the Victorian simulation community of practice Ms Monica Peddle	Introducing OPTIMUS BONUS (Bank of Independently Useful Scenarios) Dr Sonia Twigg
2.06pm				Engagement in Simulation: what is it? Do we need it? Can we measure it? Dr Belinda Judd	The OPTIMUS (Optimising Paediatric Training in eMergencies Using Simulation) Curriculum for Practitioners Caring for Children Mrs Tricia Pilotto
2.24pm				Pilot testing of Objective Simulated Bush Engagement Experience (OSBEE) in the MD Program of the Rural Clinical School, University of Queensland (UQ) Ms Jules Bennet	Vrroom Vrroom PIPER retrieval simulation on the move Ms Victoria Kane
	How VR and other technologies are disrupting the theme park industry Tony Lines <i>2.15pm – 3.00pm</i>				

2.42pm				TVD: trigger video debriefing, a simulated learning experience for the rural and remote learners. With application to the larger Regional and Metropolitan simulated learning environments Mr Rod Peadon	Location, Location, Location: How hosting a paediatric resuscitation course within clinical environments combines educational impact and tests systems integrity Ms Louise Dodson	
3.00pm	Afternoon Tea			Exhibition Hall		
	Arena 1B	Arena 1A	Room 5	Room 6	Room 7	
	SIMHEALTH	SIMTECT	SIMTECT <i>Chair: Dr Amanda Davies</i>	SERIOUS GAMES	SIMTECT <i>Chair: Dr Susannah Whitney</i>	
3.30pm	Born to Build Agency Dr Komal Bajaj <i>3.30pm – 4.20pm</i>	Safe container, Safer contents Stochastic Enhanced Event-based Simulation (SEES) Dr Steve Costa	Utilisation of debriefing methodology for organisational cultural change Ms Melanie Barlow	Serious Games for Business Education Gillian Vesty & Viktor Arity <i>3.30pm – 4.00pm</i>	Towards Zero Fratricide - Simulation Enabled Live Fire Training Major (retired) Gareth Collier	
3.48pm			TBC		The Application of M&S to Support Decision Making in Multi-domain and Coalition Operations Maj (Retd) Kevin Galvin	
4.06pm			Embedding GEM in our Simulation Programme Dr Rebecca Shaw		The Application of Systemic Thinking to Understanding the Interoperability Challenges of Distributed Mission Training Jawahar Bhalla	
4.24pm			Choose your own adventure; a bespoke learning opportunity Mr Matthew Shuker		eSports Garth Midgely <i>4.00pm – 5.00pm</i>	Path Planning for a Rotary-Wing Unmanned Aerial Vehicle with On-Board EO-IR Sensor Mr Batu Han Ibal
4.42pm			Panel: Creating sustainable change in healthcare, an alternative approach to quality improvement <i>4.20pm – 5.00pm</i>		TBC	Lessons Identified from Interoperability and Operational Relevance testing of the C2SIM Standard Mr Kevin Wood
5.00pm	Welcome Reception					

AUSTRALASIAN SIMULATION CONGRESS (ASC) Day 3

Wednesday, 4 September 2019

8.00am	ASSH Paediatric Special Interest Group Breakfast	ASSH Rural Special Interest Group Breakfast	ASSH Simulated Patients Special Interest Group Breakfast Hosted by Dr Louise McCall <i>Sponsored by Health Education Australia</i>	ASSH Technology Special Interest Group Breakfast	
	Arena 1B	Arena 1A	Room 5	Room 6	SimLab – Designed by Igloo (Exhibition Hall)
	SIMHEALTH <i>Chair: Jessica Stokes-Parish</i>	SIMTECT	SIMHEALTH <i>Chair: Dr Elysabeth Leigh</i>	SERIOUS GAMES <i>Chair: Lorelle Bowditch</i>	<p>SIM YOUTH</p> 
9.00am	Interdisciplinary student and staff evaluations of an innovative two-phase simulation debrief model Penny Heidke & Shannon Delpont	Keynote Presentation CDRE Allison Norris <i>9.00am – 9.45am</i>	Disrupting the familiar: applying educational theories to the design of simulation-based learning and assessment Dr Irwyn Shepherd	"Linking Out Loud" (LOL) a new innovation to promote rapid recall and critical thinking Mrs Wendy Foster	
9.18am	Working with Simulated participants to deliver multiple patient simulation for medical students ...Why, how and lessons learnt A/Professor Nemat Alsaba		Can Virtual Reality simulations learn from Physical Education teaching models? Therese Gunn	TBC	
9.36am	Sharing the Lessons: Practical methods for disseminating messages and reports following simulation delivery Dr Sarah McNamee		Trauma Team Training utilising Simulation Based Training Methods Ms Joanne Mckittrick	Mass casualty training for paramedic students using virtual reality: A within-subject trial comparing live simulation to virtual reality Dr Brennen Mills	
9.54am	Addressing Organisational Needs Utilising Simulation-Based Education: Supportive Leadership Following Critical Events Dr Jenni Sokol	Technological and Interoperability challenges for Naval Training CMDR Ian Jimmieson <i>9.45am – 10.07am</i>	A high fidelity simulation training program for hospital staff on managing clinical aggression – a pilot study. Ms Marijke Mitchell	Racing to Save Lives: Gamification in Simulation Education Miss Prudence Upson	

10.12am	Simulation in undergraduate health education: A considered approach to technology in teaching using electronic medical records Associate Professor Stephen Guinea	The challenges for simulation and training with 5th Generation aircraft MR Darren Manser <i>10.07am – 10.30am</i>	Train the trainer: involving students in developing characters for simulation-based learning Dr Diane Dennis	Sound Scouts: the hearing check that's child's play Cuauhtemoc Moreno	
10.30am	Morning Tea				<i>Exhibition Hall</i>
	Arena 1B	Arena 1A	Room 5	Room 6	SimLab – Designed by Igloo (Exhibition Hall)
	SIMHEALTH	SIMTECT		SERIOUS GAMES	SIM YOUTH
11.00am	'Simulcast presents....." Come and join our live studio audience for an on-stage episode of Simulcast - a podcast about healthcare simulation. Join Vic Brazil, Jesse Spurr and Ben Symon as they interview guests on the show and record a live Journal Club session.	The cultural and organisational challenges to army training LTCOL Ryan Maher <i>11.00am – 11.22am</i>	Emotional Intelligence: A Safety Container for Debriefing and Effective Strategies for Difficult Situations Ms. Chrissy Bloome	The long road to overnight success Carolyn Mee	
11.45am		TBC		SGANZ – An overview of how serious games are being used across Australia and NZ	
12.30pm	Lunch				<i>Exhibition Hall</i>
	Arena 1B				SimLab – Designed by Igloo (Exhibition Hall)
1.30pm	Human Factors and Skill Development Prof. Mark Wiggins				SIM YOUTH
2.15pm	Serious Games Showcase & Awards				
3.00pm	Afternoon Tea				<i>Exhibition Hall</i>

	Arena 1B	Arena 1A	Room 5	Room 6	SimLab – Designed by Igloo (Exhibition Hall)
	SIMHEALTH	SIMTECT	SIMHEALTH	SIMHEALTH <i>Chair: Kristian Krogh</i>	SIM YOUTH
3.30pm	An observational and simulation study comparing a pivot nurse with traditional triage model for increasing patient flow through the emergency department Mr Luke Wainwright <i>3.30pm – 4.15pm</i>	Plenary Presentation Speaker TBC <i>3.30pm – 4.15pm</i>	TBC	Investigating the Effect of Different Simulation Familiarisation Techniques on Participant Immersion during Simulated Clinical Scenarios Mr Matthys Van Lille	
3.48pm				The moulage effect: Expanding the capabilities of your simulated patients. Teach them to apply moulage Miss Clare Scott	
4.06pm				New technology or new techniques: Incorporating Human Factors and Simulation to inform design Brooke Dench	
4.24pm	Does Fidelity Matter Mr Davin Arthur				
4.42pm	Moulage, more than just a movie set trick...or is it? Ms Jessica Stokes-Parish <i>4.15pm – 5.00pm</i>	Panel Session Speakers TBC <i>4.15pm – 5.00pm</i>		Developing Clinical Reasoning in Simulation: a critical focus area Dr Belinda Judd	
5.00pm	Day 3 Concludes				
6.15pm	Simulation Australasia Awards Dinner				

AUSTRALASIAN SIMULATION CONGRESS (ASC) Day 4

Thursday, 5 September 2019

	Arena 1B	Arena 1A	Room 5	Room 6
	HEALTH	SIMTECT <i>Chair: Dr Fred Hardtke</i>	SIMTECT <i>Chair: Phil Swadling</i>	SERIOUS GAMES <i>Chair: Assoc. Prof. Anjum Naweed</i>
9.00am	Live Simulation: Using simulation to disrupt traditional teaching in health professional education Dr Ian Summers <i>9.00am – 9.45am</i>	Simulating Search and Rescue Operations Using Swarm Technology to Determine the Effect of Agent Numbers John Page	Evaluating cloud cyber security alternatives using cloud-based simulation Dr Martin Stytz	TBC
9.18am		Simulation of an Unmanned Aerial Vehicle Search and Rescue Swarm for Observation of Emergent Behaviour John Page	Simulation First Architecture – The Collapse of LVC-G Mr Shawn Parr	Gamification and AR: Using Design Science Research Methodology to optimize for unique experiences Nikolche Vasilevski
9.36am		Human Simulation and its Potential for Ergonomic Work Design in Mining Dr Ulrich Raschke	Machine Learning & Physiological Metrics Enhance Performance Assessment Amy Dideriksen	TBC
9.54am	Panel: Innovation in healthcare education: Tips and tricks, limitations and lessons learnt... Victoria Brazil, Stephanie Barwick, Jessica Stokes-Parish, KT Waxman	Assessment of Helicopter Ballistic Armour Protection Based on Dynamic Error Probable Professor Kutluyil Dogancay	Quantum Computing in Simulation Dr Martin Stytz	Not just avoidance: playing WoW in times of 'In Real Life' stress Lorelle Bowditch
10.12am	<i>9.45am – 10.30am</i>	Modelling simulation for ballistic protection performance of ceramic/fiber reinforced composite armor panels Dr Ping Tan	TBC	Application of Spatial Solutions for Time in Construction Ms Karen Sanders
10.30am	Morning Tea		<i>Exhibition Hall</i>	
	Arena 1B	Arena 1A	Room 5	Room 6
	SERIOUS GAMES	SIMHEALTH	SIMHEALTH <i>Chair: Anna Maria Carrera</i>	SIMTECT
11.00am		Introduction to Moulage/ Moulage for healthcare simulation - on a budget Tess Vawser & Tom Hallahan	Assessment of clinical competency using virtual simulation: An integrative review Dr Elisabeth Coyne	The Scenario Invention Task Technique (SITT): a practical innovation for research and practice Associate Professor Anjum Naweed

11.18am	VR AR - Panel MC: Liam McGuire Adrian Webb, Walter Greenleaf, Garth Midgely		Using insitu simulation to rehearse and test new surgical procedures Robyn Dickie	Women in Simulation: disrupting the status quo and finding the balance in gender equality Stephanie Barwick	
11.36am	11.00am – 11.45am		Optimisation through simulation: Embedding facility and process testing organisation wide Stephanie Barwick	Development of Standards for the Australian Simulation Community Mr David Ronnfeldt	
11.54am	Impact of Artificial Intelligence on Simulation – Panel MC: John Paige Sujeewa Palagama, Defence Rep, Garth Midgely		A Novel Approach to Constructing A Realistic Episiotomy Simulator Dr Belinda Lowe	Simulation accreditation for all- the current status Janiece Roche	
12.12pm	11.45am – 12.30pm		First5+ - A team-based approach to in-situ resuscitation skill training Leah McIntosh	Journeys in Developing a Handbook for Simulation Practitioners Ms Elysabeth Leigh	
12.30pm	Lunch SimAus Update	Exhibition Hall Arena 1B			
	Arena 1B	Arena 1A	Room 5	Room 6	
	TECT	TECT	HEALTH		
1.30pm	Keynote Presentation Speaker TBC 1.30pm – 2.15pm	Land Simulation Core 2.0 – Industry update Ms Jessica Adams & MAJ Will McDade	Simulating Successful Ventures: Investor Portfolio Optimisation Dr Sanjeev Naguleswaran	Developing your career: strategies to succeed as a woman in simulation Jessica Stokes-Parish, Stephanie Barwick with the Women in Simulation Committee	
1.48pm			Balancing Defence Service Experience and Technical Skills to Deliver Simulation Workforce Capability: A Case Study Dr Karen Blackmore		
2.06pm			Two billion dollars and two witch's hats - in situ simulation at its best Ms Anna Maria Carrera		
2.24pm			Innovation VS Academic Rigor – Panel Garth Midgely		Using simulation to prepare midwifery and medical students to work together: a mixed methods study Mrs Samantha Dix
2.42pm			2.15pm – 3.00pm		Simulation safety – a practical approach for a translational simulation program Victoria Brazil
3.00pm	Afternoon Tea	Exhibition Hall			
3.30pm	Conference Close	Arena 1B			