

Monday 28 August

Session Time	UTS	UTS	UTS	UTS
0900 – 1245	<p>The Science of Teamwork: What Really Works in Practice? (MC1)</p> <p>Professor Eduardo Salas</p> <p>Overview: In this Master Class, Professor Salas will present evidence on his expertise in teamwork training, including:</p> <ul style="list-style-type: none"> • What do effective teams do, feel and think? • What are the team-based competencies that are needed for effective team functioning? • What can you do to develop teamwork? <p>This Master Class will use a hands-on approach to unpack teamwork and its application in practice. At the end of this Master Class you will be equipped to develop teamwork in your workplace.</p>	<p>The Use of Cues to get the Best (and the Worst) Out of Users (MC2)</p> <p>Professor Mark Wiggins and Dr Jaime Auton</p> <p>Overview: In this Master Class, we explore the role of cues in simulation. Humans react to cues non-consciously and they aid everything from spatial navigation to social interactions. The fact that humans are so reliant on cues means that they can easily make (or break) a simulation scenario. We will consider a range of issues, including:</p> <ul style="list-style-type: none"> • Whether some people are better at picking up cues than others. • How to know whether a simulation embodies the key cues. • How to know what key cues that a simulation needs to incorporate. • How simulation can be used to encourage the use of (accurate) cues. 	<p>Virtual Reality Principles and Practices (MC5)</p> <p>Mark Pesce, Dr Ben Horan, Nathan Beattie, Liam McGuire and Emre Deniz</p> <p>Overview: What is Virtual Reality and why should you be paying attention to it? Over the past 18 months VR has entered the mainstream – with HTC, Oculus, Google and Sony all releasing affordable, consumer grade virtual reality headsets. During this Master Class, we shall look at the past and future of VR, principles of design in VR, and how VR can augment traditional methods of information delivery. Case studies include using VR technologies for midwifery and astronaut training.</p>	<p>Foundations in Simulation – an Intensive Primer (MC6)</p> <p>Dr Elysabeth Leigh and Melanie Worrall</p> <p>Overview: In this workshop, we will undertake an intensive review of a simulation. From inception, through design, briefing, debriefing and thinking about reusability. Using a case study, facilitators will look at how definitions of modelling and simulation are applied as well as explore the concepts of quality, outcomes, validation, verification, and accreditation as well as fidelity, resolution and the importance of human factors. If you are new to simulation or have never had introductory training, this workshop is for you!</p>
1315 – 1700	<p>In Situ Simulation (ISS) for Healthcare – Why, When and How? (MC3)</p> <p>Associate Professor Victoria Brazil, Clare Richmond and Sara-Catrin Cook</p> <p>Overview: In situ delivery of healthcare simulation has become increasingly popular for reasons of high authenticity and the opportunity to examine real world teamwork, and environmental and systems issues. However, ISS needs to be integrated carefully into education and quality improvement programs, and there are lessons for how to deliver ISS safely and effectively. This masterclass will use a case study approach to focus participants on:</p> <ul style="list-style-type: none"> • Choosing appropriate 'targets' for ISS. • Detailed planning and delivery. • Debriefing effectively for the ISS objectives. <p>This Master Class is suitable for all ranges of experience in ISS delivery, and participants will be encouraged to share their experience and future plans.</p>	<p>Flexible Methods for Sustainable Simulated Patient Programs (MC4)</p> <p>Jan Roche and Jessica Stokes-Parish</p> <p>Overview: Want to improve your simulated patient training program? Very little money to pay for simulated patients? Willing staff around to play simulated patients? This Master Class is for you! Jan and Jessica bring a wealth of experience in developing Simulated Patient programs across multiple situations. At the end of this Master Class you will be armed with knowledge and practical skills to implement a safe, sustainable simulated patient program in your environment no matter what your resources are.</p>	<p>Special Session – NATO Simulation Standardisation Initiatives</p> <p>Kevin Galvin and Professor J Mark Pullen</p> <p>Overview: NATO has a wide range of initiatives aimed at enhancing the efficiency and effectiveness of simulation in training and experimentation. This session will provide an overview of a number of these initiatives. The session will include an overview of the work of NATO MSG-145. Command and Control to Simulation (C2SIM) interoperability standardisation efforts have been undertaken for over a decade within the NATO Science and Technology Organization. Military organisations need C2SIM to enhance interoperability and enhance command post forces readiness. NATO has established a study group (MSG-145) to operationalise C2SIM interoperability standards and technologies. This session will provide an overview of the status of the work being done by the group, highlighting the challenges to be dealt with in achieving practical and efficient C2SIM interoperability and the solutions being developed to address these challenges. Additional topics addressed will include the development of a Generic Scenario Definition Standard.</p>	<p>Writing for Research (MC7)</p> <p>Professor Debra Nestel, Associate Professor Anjum Naweed and Dr Cathy Smith</p> <p>Overview: Have you ever wondered why your abstract or paper was not accepted? Perhaps you have received constructive feedback but aren't sure how to translate this into quality writing? Join Professor Debra Nestel, Associate Professor Anjum Naweed and Dr Cathy Smith in this engaging session on writing quality abstracts. These facilitators bring a wealth of experiences as Editors-in-Chief, Conference and Scientific Conveners and in excess of 400 publications between themselves. During this workshop, you will explore:</p> <ul style="list-style-type: none"> • What are reviewers really looking for? • How does my abstract stack up? (review an abstract of your own) • What do these author guidelines really mean?

T U E S D A Y

Tuesday 29 August 2017						
Session Time	Pyrmont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
Session 1 8:30 – 10:00	<p>Opening Plenary <i>Chair: Jessica Stokes-Parish & Philip Swadling</i></p> <p>Opening Dignitary: The Hon Christopher Pyne MP, Minister for Defence Industry</p> <p>Plenary <i>Keynote: Professor Eduardo Salas</i> Human Factors/Teams Join us at the opening plenary where we will showcase the simulation workforce, new technologies and hear from teamwork expert Professor Eduardo Salas. In his talk, "10 observations on 30 years of research in teamwork and communication" Professor Salas will highlight some of his work in healthcare and 'the Mars mission'. Professor Salas will speculate on team training for the future, drawing from his own experiences as an expert in teamwork. Eduardo is an animated speaker, whose work is applicable to all disciplines.</p>					<p>Sim Youth</p> <p>Simulation Australasia, with the support of Noetic Group, present "SimYouth", an exciting new event of the Australasian Simulation Congress (ASC).</p> <p>SimYouth will bring Senior High School students to the ASC for the first time, to provide opportunities to connect with the STEM industries and their future.</p>
	10.00 – 10.30	Morning Tea – Exhibition Hall 5				
Session Time	Pyrmont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
Stream	<p>SimTecT Plenary – 4 <i>Chair: Anjum Naweed</i></p>	<p>SimHealth Surgical <i>Chair: Tess Vawser</i></p>		<p>SimHealth Stress and Simulation <i>Chair: Stephen Guinea</i></p>	<p>SimHealth VR in Health <i>Chair: Stephanie O'Regan</i></p>	<p>SimYouth</p>
Session 2 10:30 – 12:00	<p>Plenary - 125 <i>Fiona Love</i> The Simulation Journey in Rail</p>	<p>Long Oral – 35 <i>Rod Peadon</i> Complexity in Anaesthetic Simulation a Cynefin Approach</p>		<p>Short Oral/Poster – 6 <i>Belinda Judd</i> The relationship between the acute psycho-physiological stress of nurses in emergency simulations and simulation performance</p>	<p>Long Oral – 21 <i>Sudanthi Wijewickrema</i> Automated Real-Time Guidance in Virtual Reality Simulation to Train Temporal Bone Surgery</p>	<p>Simulation Australasia, with the support of Noetic Group, present "SimYouth", an exciting new event of the Australasian Simulation Congress (ASC).</p>
		<p>Short Oral/Poster – 58 <i>Jon Morton</i> Simulating Trauma Laparotomy for Higher Surgical Trainees</p>		<p>Short Oral/Poster – 10 <i>Jade Sheen</i> Risk Aware: Enhancing students' clinical competence in risky environments through a blended simulation-based learning program</p>	<p>Long Oral – 26 <i>Craig Williams</i> Exploring the use of Virtual Reality technology in neonatal resuscitation simulation for midwifery students</p>	<p>SimYouth will bring Senior High School students to the ASC for the first time, to provide opportunities to connect with the STEM industries and their future.</p>
		<p>Short Oral/Poster – 71 <i>Nicholas Marlow</i> Surgical trainee preferences for the delivery of surgical simulation training</p>		<p>Discussion – 48 <i>Ayidah Sanah Alqarni</i> Simulation Learning as a Method Used to Reduce Stress Among New Graduate Nurses in the Intensive Care Units at King Saud Medical City in Riyadh: A Mixed Methods Design</p>	<p>Short Oral/Poster – 90 <i>Pauletta Irwin</i> Using VR environmental simulation and case based learning to develop post graduate mental health nursing assessment</p>	

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	<p>Long Oral – 118 <i>Rick Sellers</i> The application of simulation to the learning and development of Non-Technical Skills (NTS) for Helicopter Emergency Medical Support (HEMS)</p>	<p>Short Oral/Poster – 62 <i>Rodney Peadon</i> Operating Theatre Blackout</p>		<p>Short Oral/Poster – 114 <i>Dianne Marshall</i> Using low-fidelity simulation to determine the cognitive processes nurses use in challenging situations</p>	<p>Long Oral – 119 <i>Colin King</i> A new simulation learning model utilising augmented reality and part-task training</p>	
		<p>Long Oral – 73 <i>Nicholas Marlow</i> Delivery strategies for laparoscopic skills training</p>				
12.00 – 13:30	<p>Lunch – Exhibition Hall 5</p> <p>1200-1300 International Guests Luncheon – C2.5/6 <i>Closed Session - Invite Only</i></p>					
Session Time	Pyrmont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
13:30 – 15:00	<p>Joint Plenary – 126 <i>Chair/s: Cyle Sprick and Anjum Naweed</i></p> <p>Simulation in Inner Space to Outer Space</p> <p>In this Joint Plenary, we will hear from a Dr Michael Gernhardt. Dr Gernhardt is a NASA astronaut and veteran of 4 shuttle missions. He will talk about his experiences with simulation in all phases of his career from his PhD in Bubble Dynamics to the meticulous multi-modal simulations used for EVA training and team dynamics and mission simulation for long duration solar system exploration.</p> <p>Following the plenary presentation, a panel will convene to discuss some of the key areas that both aid and constrain progression in the field.</p> <p>At the conclusion of the joint plenary, please join Simulation Australasia and the Australian Society for Simulation in Healthcare (ASSH) in a moment to acknowledge their 10 year anniversary. To commemorate this, the new publication "Healthcare Simulation Education: Evidence, Theory and Practice" from past ASSH Chairs Professor Debra Nestel, Associate Professor Michelle Kelly, Marcus Watson and Professor Brian Jolly will be launched with a formal book signing</p>					<p>SimYouth</p> <p>Simulation Australasia, with the support of Noetic Group, present "SimYouth", an exciting new event of the Australasian Simulation Congress (ASC).</p> <p>SimYouth will bring Senior High School students to the ASC for the first time, to provide opportunities to connect with the STEM industries and their future.</p>
15:00 – 15:30	<p>Afternoon Tea – Exhibition Hall 5</p>					

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Session Time	Pyrmont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
Stream	SimHealth Plenary <i>Chair: Professor Victoria Brazil</i>	SimTecT Innovation and Technology <i>Chair: Shawn Parr</i>	SimTecT Simulation and Systems <i>Chair: Tim Pokorny</i>	SimTecT 3D Support Systems <i>Chair: Anjum Naweed</i>		SimYouth
Session 4 15:30 – 17:00	Plenary - 127 In Situ Simulations - not (just) a different place Join Professor Victoria Brazil as she leads a dynamic discussion around in situ simulations - or translational sim, as she likes to call it! In this session, you will hear from a variety of speakers including Alison Michaels, who will present her work on simulations in the NICU setting, Dylan Campher, who will share a systems simulation approach as a quality improvement model. We will also hear from Stephanie Barwick and Cameron Knott, on patient experiences in in situ simulations and debriefing, as well as Simon Wilson who shares how this looks in primary care. Panel members: Dylan Campher, Alison Michaels, Stephanie Barwick, Simon Wilson, & Cameron Knott	Long Oral – 49 <i>Ana Novak</i> Tabu Search constraint satisfaction dynamics using Markov models	Long Oral – 14 <i>Cory Kumm</i> Open standards ‘system of systems’ approach for the development of cutting-edge, modular simulation-based training systems	Long Oral – 50 <i>Kutluyil Dogancay</i> Simulation models for communication range extension using a rotary-wing UAV relay		Simulation Australasia, with the support of Noetic Group, present “SimYouth”, an exciting new event of the Australasian Simulation Congress (ASC). SimYouth will bring Senior High School students to the ASC for the first time, to provide opportunities to connect with the STEM industries and their future.
		Long Oral – 61 <i>Anthony Cramp</i> A Cloud Computing Architecture for Simulation Execution	Long Oral – 72 <i>Jawahar Bhalla</i> Common Synthetic Environments – challenges and opportunities as we migrate into a joint and integrated LVC training context	Long Oral – 98 <i>Kutluyil Dogancay</i> Search path planning for ISAR aspect angle optimisation		
		Short Oral – 115 <i>Michael McDonnell</i> Tactical planning using Evolutionary Algorithms	Long Oral – 75 <i>Jawahar Bhalla</i> A Management Framework for Common Cross-Simulation Sub-Systems	Short Oral – 105 <i>Torab Torabi</i> An Integrated Platform for Maritime Research and Decision Support		
			Long Oral – 83 <i>Prabhu Jyot Singh</i> Simulation of inter-UAV communication required for collaborative task execution			
17:00 – 19:00	Welcome Reception Exhibition Hall 5 1715: Simulation Australasia and Sponsor Welcome 1830: Speed Networking					

W E D N E S D A Y

Wednesday 30 August 2017						
Session Time	Pyrmont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
07:45 – 08:30		ASSH Rural SIG Breakfast <i>Chair: Kellie Britt</i>	ASSH Simulated Patients SIG Breakfast <i>Chair: Beverley Sutton</i>	ASSH Technology SIG Breakfast <i>Chair: Cyle Sprick</i>	ASSH Paediatrics SIG Breakfast <i>Chair: Tess Vawser</i>	
Stream	SimTecT Plenary	SimHealth Undergraduate Simulation <i>Chair: Kellie Britt</i>	SimHealth Simulated Patients <i>Chair: Beverley Sutton</i>	Serious Games - 129	SimHealth Paediatrics <i>Chair: Tess Vawser</i>	
Session 1 8:30 – 10:00	<p>Plenary – 128 Title: <i>Chair: Philip Swadling</i></p> <p>Commodore Allison Norris Director General, ADSTC The Future Human Dimension – Augmented Cognition</p> <p>Mr Darren Manser Director, Air Force Ranges Project Jericho and the role of LVC in a developing a 5th generation Air Force</p> <p>Colonel Spencer Norris Dir Cap Ops / Land Sim The Australian Army 'Land Simulation Capability' This presentation will focus on how the Australian Army is approaching simulation in support of Training, Capability Development and Experimentation. It will outline how it is including simulation into the introduction of new capability projects and describe the Land Simulation Core that will enable a coherent and linkable simulation architecture.</p>	Short Oral Poster – 55 <i>Nithiya Rajasekaran</i> Can we Improve Women's Health through Simulation?	Long Oral – 11 <i>Sharon Maclean</i> Use of simulated patients to develop communication skills in nursing education: An integrative review	<p>The State of the Serious Games Industry This panel session shall discuss the current state of the Serious Games industry in Australasia.</p> <p>Panel members: Jeff Brand, Adrian Webb, Erica Southgate, Chris Murphy</p>	Short Oral/Poster – 92 <i>Linda Durojaiye</i> Building a Culture of Simulation in a Paediatric Emergency Department	
		Long Oral – 66 <i>Kerry Reid-Searl</i> Nudity, vulnerability and the first year nursing student; A simulation worth thinking about	Short Oral/Poster – 13 <i>Sharon Maclean</i> Simulated Patient Training: Using Inter-rater Reliability to Evaluate Simulated Patient consistency in Nursing Education		Short Oral/Poster – 93 <i>Linda Durojaiye</i> Using Simulation to inform, test and implement improved clinical handover of critically ill or injured children from ED to ICU	
		Short Oral/Poster – 69 <i>Diane Dennis</i> Describing a nursing/physiotherapy inter-professional education activity using simulation for university students	Short Oral/Poster – 56 <i>Nemat Alsaba</i> Medical students' recognition and response to clinical deterioration in simulated patient scenarios		Long Oral – 29 <i>Tricia Pilotto</i> "Inability to complete" – Organisational response to BLS skills assessment failure	
		Short Oral/Poster – 106 <i>Liz McNeil</i> Turning light bulb moments into light HOUSE bulb moments - An undergraduate paramedics, nursing and medicine major incident /trauma experience	Short Oral/Poster – 46 <i>Belinda Newcombe</i> More than just another obstetric emergency drill: Sim MoM Admitted to Maternity		Short Oral – 124 <i>Aaron Armstrong</i> Unobtrusive audio visual capture for 'sensemaking'	
		Short Oral/Poster – 67 <i>Kerry Reid-Searl</i> A realistic silicone procedural puppet-suspending learners in disbelief.	Short Oral/Poster – 95 <i>Diane Dennis</i> Simulated patients – so much to offer			
					Short Oral/Poster – 78 <i>Sally Wadsworth</i> Closing the Loop-improving patient safety and health outcomes utilising streamlined simulation event evaluation and feedback processes	
10.00 – 10.30	Morning Tea – Exhibition Hall 5					
	Pyrmont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
Stream	SimHealth Plenary <i>Chair: Dr Cathy Smith</i>	SimTecT Defence <i>Chair: Dr Fred Hardtke</i>	SimTecT Innovative Approaches <i>Chair: Anjum Naweed</i>	Serious Games Serious Games Success		
Session 2 10:30 – 12:00	Can't we all just get along? - Perspectives on teams and simulation-based	Long Oral – 42 <i>Philip Swadling</i> Flight Simulation for Civil Helicopter Operations	Long Oral – 25 <i>Mansoor Alrazooqi</i> Virtual Training in Dubai Police	10.30am – 10.50am Hacknet <i>Matt Trobbiani</i> Team Fractal Alligator		

W E D N E S D A Y

		<p>Interprofessional education</p> <p>This interactive session, facilitated by Dr Cathy Smith, features 5 expert panellists who will each offer a snapshot of their perspective on teams and simulation-based interprofessional education and engage with each other and the audience in a collaborative conversation. Hear again from Professor Eduardo Salas and Professor Victoria Brazil as well as from Professor Debra Nestel, Dr John Paige and Jill Stow.</p> <p>Panel Members: Eduardo Salas, Jill Stow and Victoria Brazil, Debra Nestel, Dr John Page.</p> <p>QualSim Update - project status and pilot group feedback. Jan Roche (Deputy Chair Simulation Australasia) with Commonwealth Department of Health</p>	<p>Long Oral – 97 <i>Jonathan Mitchell</i> Air-to-Air refuelling fidelity for training outcomes on the Wedgetail Operational Flight Trainer</p>	<p>Long Oral – 119 <i>Kevin Heveldt</i> Framework for Simulation based education in a military context: Merging constructivism with the warrior ethos</p>	<p>10.50am – 11.10am Sound Scouts <i>Carolyn Mee</i> Cmee4</p> <p>11.10am – 11.30am Earthlight <i>Emre Deniz & Liam McGuire</i> Opaque Space</p>			
			<p>Long Oral – 102 <i>Mick Reilly</i> Simulated large group combat training – a future army combat training centre concept</p>	<p><i>Mr John Illgen</i> Simulation and modelling in support of developing the Precision Location Strike System</p>	<p>11.30am – 11.50am Zero Latency VR <i>Tim Ruse</i> Zero Latency</p>			
			<p>Long Oral <i>Dr. Jim Smelt, DSTG Maritime Division</i> The role of simulation in Maritime Capability Analysis</p>					
	12.00 – 13:30	Lunch – Exhibition Hall 5						
		ASSH Members Meeting 1245-1330 Zero Latency Industry Showcase, Exhibition Hall						
		Pymont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall	
	Stream	Serious Games Plenary – 132	SimHealth Workshop – 99	SimHealth <i>Chair: Tod Adams</i>	SimTect <i>Chair: Anjum Naweed</i>	SimHealth Workshop - 94		
	Session 3 13:30 – 15:00	Serious Games Showcase & Challenge Australasia Hosted by Mark Pesce, this year's SGSCA finalists shall demonstrate their serious games before both the industry and indie/student category winners for 2017 are announced.	<i>Chris Carpenter</i> The One Thing You Need to Know When Running a Scenario and How to Implement It.	<p>Long Oral – 8 <i>Naomi Tutticci</i> Measuring reflective thinking and self-efficacy after high fidelity simulation to optimise reflective capacity of final year nursing students</p>	<p>Long Oral – 31 <i>Ping Tan</i> Finite element simulation of anti-ballistic/fragment performance of military helmets</p>	<i>Robyn Dickie</i> Debriefing to Close Performance Gaps		
<p>Long oral – 39 <i>Liz McNeil</i> And the coloured sash goes to...</p>				<p>Long Oral – 44 <i>John Page</i> Simulation the only way to investigate Self-Organising Swarms</p>				
<p>Short Oral/Poster – 45 <i>Stephanie O'Regan</i> Activate the observers: strategies for improving learning for observers of healthcare simulations</p>				<p>Long Oral – 116 <i>Daniel Hartwell</i> Concept to reality – developing a vital signs simulator that enables use of everyday clinical monitors for simulation</p>				
<p>Long Oral - 88 <i>Irwyn Shepherd</i> A Conceptual Framework for Simulation in Healthcare Education</p>				<p>Long Oral – 121 <i>Kim Heaslip</i> Novel modifications to intercostal catheter simulation improves realism of experience</p>				
	15:00 – 15:30	Afternoon Tea – Exhibition Hall 5						
		Simulation Week Meeting Zero Latency Industry Showcase, Exhibition Hall						
	Session Time	Pymont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall	
	Stream	SimTect Plenary – 133	SimHealth Innovation in	SimHealth Undergraduate	Serious Games Short Oral	SimHealth & SimTect <i>Chair: Cyle Sprick</i>		

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		Healthcare <i>Chair: Terri Sullivan</i>	Simulations <i>Chair: Brian Jolly</i>	Presentations			
Session 4 15:30 – 17:00	<p><i>Commander Dan Crocker</i> Deputy Director Navy</p> <p>M&S Innovation and the ADF: Challenges and Opportunities</p>	<p>Long Oral – 24 <i>Benjamin Symon</i> If You Build It They Will Comment: Creating an online community for simulation educators through a web based journal club</p>	<p>Short Oral/Poster – 74 <i>Georgia Clarkson</i> Preparing cultural aspects of practice: the role of community ambulance response trolleys (CART) in preparing paramedicine students for the workplace</p>	<p><i>Emre Deniz</i> Interaction Design in VR</p> <p><i>Andy West</i> Integrating Development of Personal Presentation Skills with Business Strategic Simulation Gaming</p>	<p>Discussion – 37 <i>Anthony Vonthoff</i> Fidelity in Simulation – A Fundamental Consideration</p>		
	<p><i>Bharat Patel</i> UK NATO Modelling & Simulation Group National Member Senior Principal and IRC Leader Defence Science and Technology Laboratory, UK</p> <p>Coalition Force Preparation in Future Operational Environments</p> <p>UK and NATO perspectives on key innovations and initiatives that are essential for preparing connected coalition defence forces in future contemporary and hybrid operating environments.</p>	<p>Long Oral – 41 <i>Liz McNeil</i> Bits and bobs can make for fun and engaging simulations resources</p>	<p>Plenary – 85 <i>Christine Imms</i> Can simulated clinical placement partially substitute traditional placement with non-inferior professional practice education outcomes?</p>	<p><i>Gillian Vesty</i> Gamification, Collaboration and [A]-counting for Enhanced Pedagogy</p> <p><i>Nathan Beattie</i> Recreating Chess in VR</p> <p><i>Liam McGuire</i> The Virtual Empathy of Experiential Training</p> <p><i>Nicholas Micallef</i> A Gamified Approach to Improve Users' Memorability of Fallback Authentication</p>	<p>Long Oral – 91 <i>Amanda Davies</i> Listen to the voices from the field - a model for evaluating simulation based learning exercises</p>		
	<p>Panel session – Modelling and Simulation challenges in preparing Defence for the future</p>	<p>Long Oral – 100 <i>Jessica Stokes-Parish</i> Designing a scale for validation of moulage authenticity using the Delphi Method</p>	<p>Long Oral – 87 <i>Eli Mang Yee Chu</i> Student and educator perspectives of learning opportunities provided by simulated clinical placements compared to traditional clinical placements: Results from a randomised controlled trial</p>	<p>Long Oral – 122 <i>Narelle Dalwood</i> The impact of concealed identity on the fidelity and utility of low cost, high value peer simulation</p>			
		<p>Long Oral - 117 <i>Anjum Naweed</i> The Inception Sim: Findings from a Live and Immersive Multilayered Simulation on Creating a Safety Container</p>	<p>Long Oral – 59 <i>Elena Gospodarevskaya</i> Do simulated clinical placements cost more than traditional placements – if so, are they cost-effective?</p>	<p>Long Oral – 124 <i>Dylan Campher</i> Simulation as a 'sensemaking' tool</p>			
18:30 – 23:00	<p>Simulation Australasia Annual Awards Dinner Parkside Ballroom, ICC Sydney</p>						

T H U R S D A Y

Thursday 31 August 2017						
	Pymont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
Stream	SimTecT Plenary – 135	SimHealth Workshop – 33	SimHealth <i>Chair: Tamara Power</i>		SimHealth Workshop - 60	
Session 1 8:30 – 10:00	Serious VR: A panel discussion about the serious uses of virtual reality technologies. Panel members; Tim Ruse - Zero Latency Emre Deniz - Opaque Space Ben Horan – Deakin Chris Murphy - Epic Games	<i>Tracey Levett-Jones and Kerry Reid-Searl</i> Tag Team Patient Safety Simulation	Long Oral – 9 <i>Jade Sheen</i> Developing, integrating and evaluating the Deakin Psychology Virtual Clinic across postgraduate curriculum: An overview Long Oral – 103 <i>Jill Stow</i> Using discourse analysis of video data to identify verbal and non-verbal communication in emergency birthing simulations: an intra- and interprofessional study Short Oral Poster – 111 <i>Yat Kwan Alan Tsang</i> Using simulation training to improve airway management of undergraduate nursing students Long Oral – 15 <i>Adriana Penman and Anne Hill</i> Student competency outcomes using simulation as a clinical teaching tool in speech pathology		<i>Dave Gillespie and Rodney Peardon</i> Hands Off Teaching:	
10.00 – 10.30	Morning Tea – Exhibition Hall 5					
	Pymont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
Stream	SimHealth Plenary	SimTecT <i>Chair: Jonathan Mitchell</i>	SimTecT <i>Chair: Jawahar Bhalla</i>	SimTecT <i>Chair: Dr Fred Hardtke</i>		
Session 2 10:30 – 12:00	How can we maximise the impact of healthcare simulation? Chair: Jessica Stokes-Parish In this final health plenary, join Jessica Stokes-Parish who will facilitate an engaging discussion exploring simulation in healthcare's future. Clinical Associate Professor Leonie Watterson will share an innovative project exploring assessment in simulation, prior to a plenary presentation by Associate Professor Michelle Kelly and panel. These presentations will kick start an interactive, audience-inspired discussion that explores current questions and directions of simulation in healthcare. Delegates will be called upon to actively problem-solve and contribute to the	Long Oral – 43 <i>John Page</i> The Role for VR in Engineering Simulation Long Oral – 113 <i>Philip Swadling</i> Augmented Reality & Virtual Firing for Future Live Training	In Conference Panel Presentation and Discussion Workshop on Systems Engineering & Simulation – Together, Making it Real. Panellists Jawahar Bhalla , <i>Manager, Solutions & Technologies APAC, CAE Australia</i> Commander Daniel A. Croker , <i>Deputy Director, Navy Modelling and Simulation Office</i> Jamie Sutanto , <i>Training Devices Engineer on the RAN MH-60R Training System Acquisition</i> This in-conference 90 min workshop will comprise a series of presentations followed by an open discussion forum towards understanding the challenges and benefits related to the	Long Oral – 22 <i>Martin Stytz</i> Considerations for using simulation to enable limbless work in space Long Oral – 23 <i>Martin Stytz</i> Toward combined cyber warfare, psychological warfare, and electronic warfare simulation for training Discussion Session – 63 <i>John Olsen</i> Are simulations experiments? Long Oral – 64 <i>John Olsen</i> The limitations of simulation in complex engineering systems		

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	<p>Australian Society for Simulation in Healthcare future directions.</p> <p>Plenary – 54 <i>Michelle Kelly</i></p> <p>What is the real impact of healthcare simulation?</p> <p>Panel: Tracey Levett-Jones Philippa Seaton Fiona Bogossian Simon Cooper Lisa McKenna</p>		<p>application of Systems Engineering principles to ensure right definition and delivery of complex and high-fidelity ADF simulation systems, with the focus being on Training Systems.</p> <p>Systems engineering is an interdisciplinary approach to the definition, realization, utilisation, modification and disposal of complex systems. It focuses on defining customer needs, and the required functionality, early in the development cycle. It commences with elicitation of customer needs and the resulting requirements, then proceeding with design synthesis and system verification, validation and accreditation, while considering the complete problem from a whole of life perspective.</p> <p>This session will comprise a series of presentations that will define a systems engineering contextual framework for simulation, followed by focused presentations on key lessons learned in a RAN context across scope definition and VV&A. An open forum discussion session will follow, allowing for focus on specific aspects of interest from the audience and the panel.</p>			
12.00 – 13:30	Lunch- Exhibition Hall 5					
	Simulation Australasia General Meeting 1230-1330 Room C2.3					
	Pyrmont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall
Stream	Fringe Ex* Plenary <i>Chair: Liz McNeill</i>	SimTect Virtual Reality <i>Chair: Anjum Naweed</i>		SimHealth Workshop – 110	SimHealth <i>Chair: Cyle Sprick</i>	
Session 3 13:30 – 15:00	Fringe Ex* Fringe presentations aim to provide an opportunity to showcase creative, experimental, edgy and unusual ideas and developments in simulation/gaming, outside of the usual methods of sciences and research in simulation. So - join us in sharing and be inspired!	Long Oral – 52 <i>Jacqueline Bailey</i> Gender Differences in Spatial Ability and Affective Processing in Avatar Perception		<i>Jessica Stokes-Parish</i> SimArt: Matching moulage to your learning objectives	Long Oral – 5 <i>Belinda Judd</i> Is there a relationship between the performances of physiotherapy students in simulation and clinical practice?	
	Fringe – 40 <i>Victoria Brazil</i> “Simulcast” – podcasting for the simulation community	Long Oral – 53 <i>Susannah Whitney</i> Users take the driver’s seat in developing next generation simulation requirements: A study of Virtual Reality Head-Mounted Displays			Short Oral/Poster – 70 <i>John Paige</i> Moving on up: team training for emergency room trauma transfers	
	Games – 20 <i>Brett Leavy</i> Virtual Kamay	Long Oral – 86 <i>Susannah Whitney</i> Detection of salient objects in 360° images			Long Oral – 28 <i>Hayley Croft</i> Simulation based training and assessment	

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	<p><i>Melanie Worrall</i> Exploring new models and taxonomies of simulation</p>	<p>is better with VR head-mounted displays than flat screen displays</p>				<p>for evaluating pharmacy students' competency in clinical decision making during medication review and supply</p>	
	<p>Enhanced team based training improves performance and outcome in low frequency surgery</p> <p>Authors: Russell Metcalfe Smith FHEA MSc NRP CHSE-A</p> <p>Contributors Fozia Ferozali Ed. D RN CNL Inigio Noriega MSN RN Alistair Philips MD</p>	<p>Long Oral – 89 <i>Karen Blackmore</i> Using optical flow as an objective metric of cybersickness in virtual environments</p>				<p>Discussion Session – 7 <i>Janine Kane</i> Nurse Nice/Nurse Nasty: Teaching VET student nurses how to build therapeutic relationships with patients.</p>	
15:00 – 15:30	Afternoon Tea – Exhibition Hall 5						
	Pymont Theatre	C2.1	C2.3	C2.4	C2.5/6	Zero Latency Industry Showcase Exhibition Hall	
Stream	Joint Plenary – 137						
<p>Session 4 15:30 – 16:30</p>	<p>Chair: Philip Swadling and Jessica Stokes-Parish</p> <p>Moving Forward: Exploring themes and issues for the community In the final plenary, Phil Swadling and Jessica Stokes-Parish will join keynotes in a panel discussion exploring conference themes and wicked ideas/problems for the simulation community. In this interactive discussion, we hope to identify areas for the simulation community to focus on in the following year. At the conclusion of the discussion, a formal handover ceremony will commence to the incoming team for the next Australasian Simulation Congress.</p>						
1630 onwards	<p>Fringe Afterparty The Ternary, Novotel Darling Harbour</p>						