



## Australasian Simulation Congress 2021 Program\*

9 – 11 November | Virtual

All times are in AEDT

| Day 1 – Tuesday, 9 November |   |
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| 9.00-9.30                   | <p><b>Welcome and Opening Address</b><br/> <b>Fred Hardtke and Deanna Hutchinson</b><br/>           Congress Co-Convenors</p> <p><b>Philip Swadling</b><br/>           Chair, Simulation Australasia</p> <p><b>Welcome to Country</b></p> |
| 9.30-10.15                  | <p><b>Keynote Address</b></p> <p><i>The Need to Look Ahead - Navigating a Future of Uncertain National Security</i><br/> <b>Senator Jim Molan AO DSC</b></p>  |
| 10.15-10.45                 | <p><b>Morning Tea &amp; Networking</b><br/>           Action Station: Simulation 'rising stars' - <b>Host: Deanna Hutchinson</b><br/>           Virtual exhibition opens</p>  |



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| 10.45-12.30 | <p><b>Panel Discussion</b></p> <p><i>Exploring Equity and Diversity in Simulation</i></p> <p><b>Erica Southgate, Philip Swadling, Kelly Menzel, Susannah Whitney, Jessica Stokes-Parish (Chair)</b></p>  | <p><b>Invited Speakers</b></p> <p><i>Uncertain Times and Natural Hazards Research</i><br/><b>John Bates</b></p> <p><i>From Simulation to Applied Games – Engaging Decision Support Tools</i><br/><b>Heide Lukosch</b></p> <p><b>Chair: Jennie Brentnall</b></p> |
| 12.30-1.00  | <p><b>Lunch &amp; Networking</b><br/>Virtual exhibition booths open</p>  |   |
| 1.00-1:40   | <p><i>Capacity Building for Digital Earth</i><br/><b>Cheryl Desha</b></p> <p><b>Chair: Deanna Hutchinson</b></p>   | <p><b>Panel Discussion</b><br/><i>Simulated Patients</i><br/><b>Panel: Belinda Judd, Rachel Norman, Claire McKie and Kate McCloskey, Kellie Britt (Chair)</b></p>   |
| 1:40-2:15   | <p>Use of VR for Emergency Services training<br/><b>Inspector Bruce Budge QFES</b></p> <p><b>Chair: Fred Hardtke</b></p>   |   |
| 2.15-3.00   | <p style="text-align: center;"><b>Afternoon Tea &amp; Networking</b></p> <p style="text-align: center;">Action Stations: What lessons from 2020/21 will help the simulation community flourish? - <b>Host: Fred Hardtke</b><br/>Virtual exhibition opens</p> |   |



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| <p><b>3.00-4.30</b></p> | <p><b>Educational Developments in Health Training</b></p> <p><i>Cards and critical care – scaffolding learners prior to simulation</i><br/> <b>Tod Adams</b></p> <p><i>Blink of an Eye: Evolution of Simulation-Based, Student Operating Room Team Training Over a Decade</i><br/> <b>John Paige</b></p> <p><i>The influence of paediatric simulation-based education on physiotherapy students’ clinical performance during professional practice placement</i><br/> <b>Megan Dalton</b></p> <p><i>Undergraduate student led clinical skills events</i><br/> <b>Karryn Lytton</b></p> | <p><b>Human Dimensions in Simulation</b></p> <p><i>What to do after a simulation goes wrong?</i><br/> <b>Elysebeth Leigh</b></p> <p><i>Design Science: How to Demonstrate the Simulation Capability to Meet the Objectives in Human-Centered Environments</i><br/> <b>Nikolche Vasilevski</b></p> <p><i>The power of Olfaction for Immersive Experiences</i><br/> <b>Richard Lane</b></p> <p><i>Importance of the Messenger: Avatars as Cognitively Efficient Information Sources</i><br/> <b>Karen Blackmore</b></p> <p>Q&amp;A</p> <p><b>Chair: Tayne Ryall</b></p> | <p><b>Complexity and beyond as a new normal</b></p> <p><i>Using simulation to boost organisation resilience</i><br/> <b>Saeed Shalbafan</b></p> <p><i>Situational awareness and facilitating complex simulations: Crossing liminal boundaries with the unseen helmsman</i><br/> <b>Elysebeth Leigh</b></p> <p><i>Surrounded: A multi-dimensional simulation delivered electronically to distributed teams of project management students</i><br/> <b>Kaye Remington</b></p> <p><i>Developing Simulation strategy and policy in Volatile, Uncertain, Complex and Ambiguous times</i><br/> <b>Kevin Heveldt</b></p> <p><i>A Modelling and Simulation Perspective to the Cynefin Framework</i><br/> <b>Jawahar Bhalla</b></p> <p>Q&amp;A</p> |
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|           | <p><i>A collaboration between Glasgow Caledonian University and the University of Sydney: simulation development</i><br/> <b>Emma Green</b></p> <p>Q&amp;A</p> <p><b>Chair: Atul Malhotra</b></p> |  | <p><b>Chair: Kelly Squires</b></p>   |
| 4.30-5.30 | <p><b>Panel Discussion</b></p> <p><i>Ethics in Simulation</i></p> <p><b>Belinda Kenny, Marieke de Wijse, Phil Diver, Deanna Hutchinson (Chair)</b></p>  |  | <p><b>Workshop</b></p> <p><i>Ambidextrous Leadership Simulation Strategies for learning how to navigate uncertain futures</i></p> <p><b>Gaia Grant</b></p> <p><b>Chair: Fred Hardtke</b></p> |
| 5.30-7.00 | <p><b>Break</b></p> <p>Virtual exhibition opens</p>   |  |  |
| 7.00-late | <p><b>Virtual Awards Dinner</b></p>   |  |  |

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|           | <b>Day 2 – Wednesday, 10 November</b> |  |  |
| 8.30-9.00 | Day 2 Address                         |  |  |



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| 9.00-9.45   | <p><b>Keynote Address</b></p> <p><i>The Need to Look Ahead - Navigating a Future of Uncertain Public Health</i><br/> <b>Catherine Bennett</b></p> <p><b>Chair: Gillian Vesty</b></p>  |  |
| 9.45-10.45  | <p><b>ASSH Relaunch</b><br/> This session is for all those interested in Health &amp; Educational Simulation and who are wanting to connect with likeminded people to grow your simulation networks and connect with the Australian Society for Simulation in Healthcare community.</p> <p><b>Kelly Squires, Tayne Ryall, Pauletta Irwin, Peter Radonyi, Kellie Britt (Chair), Belinda Judd (Chair)</b></p> | <p><b>Preparedness – Health Responses to COVID-19</b></p> <p><i>Elle does not like needles- simulated participants making it real!</i><br/> <b>Melissa Ciardulli</b></p> <p><i>COVID-19 Home Visit Safety Simulation</i><br/> <b>Greg Connolly</b></p> <p><i>A novel and dynamic application of simulation-based education to contact tracing training in a pandemic</i><br/> <b>Anne Starr</b></p> <p>Q&amp;A</p> <p><b>Chair: Jennie Brentnall</b></p> |
| 10.45-11.15 | <p><b>Morning Tea &amp; Networking</b></p> <p>Action stations: Ethical issues for policy and practice – <b>Host: Deanna Hutchinson</b></p>  |  |



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|                    | Virtual exhibition booths open   |   |  |
| <b>11.15-12.00</b> | <p><b>Debriefing Health Simulations</b></p> <p><i>Healthcare simulation debriefing - peer feedback using conversational maps and quantitative data</i></p> <p><b>Andrew Coggins</b></p> <p><i>SimChat – Debriefing in Simulation for Clinical Educators</i></p> <p><b>Tod Adams</b></p> <p>Q&amp;A</p> <p><b>Chair: Belinda Judd</b></p> | <p><b>Educational Developments in Serious Games</b></p> <p><i>Digital Sim Ex in Humanitarian Education</i></p> <p><b>Gary Leigh, Miranda Booth</b></p> <p><i>“Safety at Work project”</i></p> <p><b>Karen Hall</b></p> <p>Q&amp;A</p> <p><b>Chair: Lorelle Bowditch</b></p> | <p><b>Modelling and Decision Support Systems</b></p> <p><i>Prospects for machine learning in dynamic recovery of underwater vehicles</i></p> <p><b>Jack Delaney</b></p> <p>Q&amp;A</p> <p><b>Chair: Anita Byrnes</b></p> |
| <b>12.00-1.00</b>  | <p><b>Lunch &amp; Networking</b></p> <p>(Action Stations (from 12.30): Capacity building for simulation - <b>Host: Fred Hardtke</b>)</p> <p>Virtual exhibition opens</p>   |   |  |



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| <p>1.00-2.15</p> | <p><b>Panel Discussion</b></p> <p><i>Simulation debates: past, present, emerging</i></p> <p><i>Reflections from Ray Page awardees</i></p>   | <p><b>Panel Discussion</b></p> <p><i>Simulation in remote and rural places</i></p> <p><b>Panel: Tod Adams, Jenny Bassett, Nisha Khot, Arunaz Kumar and Russell Richardson</b><br/> <b>Chair: Kellie Britt</b></p>   | <p><b>Skills Development and Certification</b></p> <p><i>Cloud deployed After Action Review</i><br/> <b>Andy Boud</b></p> <p><i>Identifying common skills and roles across Health, Defence, Engineering and Civil Aviation</i><br/> <b>Janiece Roche</b></p> <p>Q&amp;A</p> <p><b>Chair: Anjum Naweed</b></p> |
| <p>2.15-3.00</p> | <p><b>Afternoon Tea &amp; Networking</b><br/> Virtual exhibition opens</p>  |   | <p><b>Masterclass 1</b></p>   |
| <p>3.00-4.30</p> | <p><b>Educational Developments (Curriculum and Techniques) – Health</b></p> <p><i>What keeps you up at night? Simulation approach to maternity emergencies in rural NSW</i><br/> <b>Kat Blake</b></p> | <p><b>Educational Developments</b></p> <p><i>It is not about technology, or about pedagogy alone: reshaping aviation training with the FPLab</i><br/> <b>Guido Carim Junior</b></p> <p><i>Bringing the Team Together: Using Multidisciplinary In Situ Simulation to</i></p> | <p><i>Systems Thinking, Modelling and Simulation – Foundational Pillars helping us navigate through these uncertain times</i><br/> <b>Jawahar Bhalla</b></p>  |



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|           | <p><i>Interprofessional midwifery and medical student simulation-based education in COVID: how does online format impact learning?</i><br/><b>Namrata Prasad</b></p> <p><i>Taming the B.E.A.S.T.</i><br/><b>Nathan Sharrock</b></p> <p><i>Using Interactive 3D Animation to Improve Simulation-based Shoulder Dystocia and Breech Birth Training</i><br/><b>Sue Hampton</b></p> <p>Q&amp;A</p> <p><b>Chair: Kelly Squires</b></p> | <p><i>Implement New Technology and Procedures</i><br/><b>Hemal Patel</b></p> <p><i>Building capability - Simulation Masterclass</i><br/><b>Kat Blake</b></p> <p><i>Simulation, Education, and the Impact of the COVID-19 Pandemic</i><br/><b>Maryam Kauser</b></p> <p><i>Single Channel large view Visual Display System</i><br/><b>Gaëtan Nonque</b></p> <p>Q&amp;A</p> <p><b>Chair: Philip Swadling</b></p> |  |
| 4.30-5.30 | <p><b>Plenary Workshop</b><br/><i>Interprofessional undergraduate simulation (at scale!) in the health professions</i><br/><b>Christie Van Diggele</b></p> <p><b>Chair: Belinda Judd</b></p>  |   |  |
| 5.30-6.30 | <p><b>Break</b><br/>Virtual exhibition opens</p>  |   |  |





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| 6.30-10.00 | <p><i>Enroads Climate Change Simulation Game</i><br/> <b>Marieke de Wijse</b></p> <p><b>Chair: Anjum Naweed</b></p> |

| Day 3 – Thursday, 11 November |  |
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| 8.30-9.00                     | Day 3 Welcome Address  |
| 9.00-9.45                     | <p><b>Plenary Address</b></p> <p><i>Meaningful gamified Extended Reality (EX) experiences for astronauts on long-duration space missions</i><br/> <b>Kaja Antlej</b></p> <p><b>Chair: Matthew Harper</b></p> |



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| 9.45-10.45  | <p><b>Australian Defence Stream Briefing</b></p> <p><b>Airforce: WGCDR Mick Tully</b><br/> <b>Navy: CMDR Richard Austin, LCDR James Knight</b></p> <p><b>Chair: Fred Hardtke</b></p> | <p><b>Medical Simulation</b></p> <p><i>Code Stroke Simulation to Improve Confidence and Preparedness of In-Hospital Acute Stroke Management</i><br/> <b>Alberto Au</b></p> <p><i>The Development of a Simulated Laryngeal Tumors for Partial Airway Occlusion Training</i><br/> <b>Paul Krohn</b></p> <p><i>ALS-SimVR - Virtual Reality based Advanced Life Support team leader training application</i><br/> <b>Nathan Moore</b></p> <p>Q&amp;A</p> <p><b>Chair: Tayne Ryall</b></p> | <p><b>Creative and Cultural Applications of Serious Games</b></p> <p><i>Allegorical Narratives of the 'Corrupted Blood' incident for COVID-19</i><br/> <b>Anjum Naweed</b></p> <p><i>"Simulation Game, Project PAL: Hawaii after COVID-19": Creating Future Visions of Indigenous Communities</i><br/> <b>Nanako Iwasa</b></p> <p>Q&amp;A</p> <p><b>Chair: Lorelle Bowditch</b></p> |
| 10.45-11.15 | <p><b>Morning Tea &amp; Networking</b><br/> Virtual exhibition opens</p>   |   |   |



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| 11.15-12.00 | <p><b>Australian Defence Stream Briefing</b></p> <p><b>Army:</b><br/> <b>COL Joshua Gillman</b><br/> <b>COL Stuart Cree</b><br/> <b>JCTB: David Ronnfeldt</b></p> <p><b>Chair: Fred Hardtke</b></p> | <p><b>Simulation Technology and Innovations in Healthcare Design</b></p> <p><i>Queensland Trauma Education: challenges for state-based training</i><br/> <b>Kimberly Ballinger</b></p> <p><i>Simulation of Medical Imaging for a New Hospital Design</i><br/> <b>Robert Brownie</b></p> <p>Q&amp;A</p> <p><b>Chair: Karen Blackmore</b></p> | <p>Games for Change - <i>Asia Pacific 2021 Recap</i></p> <p>Games for Change Asia-Pacific recently held their first annual conference, showcasing how games are having a remarkable impact in our ever-growing Asia-Pacific region. G4C APAC's goal is to showcase how gaming technologies and practices can be used to create meaningful change in the world we live in, through learning, health, and social change. This talk is a chance to showcase some of the highlights from this 3-day event, with a focus around the Sim Congress's theme of navigating uncertain futures, and presenters' usage of simulation in various fields.</p> <p><b>Adrian Webb</b></p> <p><b>Chair: Kathleen Yin</b></p> |
| 12-1.00     | <p><b>Lunch &amp; Networking</b><br/> Virtual exhibition opens</p>  |   |   |



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| <p>1.00-2.30</p> | <p><b>Student Presentations</b></p> <p><i>Quantifying In-Game Task Difficulty Using Real-Time Cognitive Load</i><br/> <b>Andrew Seyderhelm</b></p> <p><i>Exploring factors that affect learner engagement in Simulation</i><br/> <b>Linda Garratt</b></p> <p><i>Thresholds for detecting changes (as distinct from differences) during simulated spinal motion palpation</i><br/> <b>Joshua Nguyen</b></p> <p><i>Implementation of the “GoodSAM First-on-Scene Simulation” improves medical student confidence in responding to cardiac arrest</i><br/> <b>Gabriel Hicks</b></p> <p>Q&amp;A (2.00-3.00)</p> <p><b>Chair: Deanna Hutchinson</b></p> | <p><b>Masterclass 2</b></p> <p><i>Debrief/After Action Review – Evaluating and Improving Training Outcomes</i></p> <p><b>Facilitators: Stephen Guinea, Elysabeth Leigh and Jawahar Bhalla</b></p> |
| <p>3.00-5.00</p> | <p><b>Afternoon Tea &amp; Networking</b><br/> Virtual exhibition opens</p>   |   |



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| 5.00-5.30 | <b>Closing Address</b><br><br><b>Philip Swadling</b><br><b>Chair, Simulation Australasia</b> |
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*\*Program is subject to change without notice*