Dear Simulation Specialists,

Thank you for joining the largest, most innovative and passionate group of individuals dedicated to supporting healthcare simulation around the world. 2016 is a bright year for us and you, our members. Now in its 6th year, the Gathering of Healthcare Simulation Technology Specialists (SimGHOSTS) has firmly established itself as a global training powerhouse. We serve to connect hundreds of like-minded individuals across four continents to collaborate and learn at hands-on training conferences. We have launched a new website that will allow continued networking and valuable resources for your center any time of the day or night, and we have partnered with other simulation organizations to enhance the diversity of expertise with one goal in mind: to help you deliver the best possible educational experience to your learners and improve healthcare and patient safety.

Every member of the healthcare team is vital to delivering optimal patient care, just as you are critical to creating a consistently positive training environment.

We want to be your advocate in the industry and make sure you are empowered to use your knowledge to deliver cost-effective, user-friendly educational environments that facilitate learning. Thank you for taking the step to make yourself a better facilitator, educator and team member by joining us in our quest. We hope you meet someone new, reignite your passion for simulation and share your experiences with the world!

Please take your time here to learn something new and meet with other members, both novice and veteran. We hope you discover, as we have, that Simulation Specialists are friends you want to meet and keep. Our conferences are unique to the world of simulation because we connect you directly with vendors to learn how to use and service their products. Make sure to take advantage of this opportunity to learn tips and tricks directly from the source.

We look forward to meeting you in class, at social events, and online at SimGHOSTS.org.

Welcome to SimGHOSTS!

Scott Crawford MD, CHSOS
SimGHOSTS President
Assistant Professor/Associate Program Director
Texas Tech University Health Sciences Center El Paso
WHO SHOULD ATTEND SIMGHOSTS 2016:AUSTRALIA?

Anyone responsible for the technical operation of a medical simulation lab including full-time or part-time Sim Techs, or clinical educators tasked with operating the day-to-day of simulation spaces. As well, anyone evaluating medical-simulation based technology should strongly consider attending as leading industry vendors attend. Other meetings are better suited for clinical educators specifically looking to learn how to teach with medical simulation.

Administrators of simulation programs should also consider sending their institution's AV and IT related staff members who are responsible for supporting the simulation program. In our most recent events, staff from AV and IT departments outside of the healthcare simulation program found immense benefit from participating in SimGHOSTS to better understand the needs of their institution's simulation program!

WHAT ARE THE MEETING OBJECTIVES?

- Meet with other Simulation Champions and share best practices
- Network and build long term industry relationships with peers and vendors
- Receive specialised training in:
  - High-fidelity manikin hardware & software operation, maintenance and repair
  - Audiovisual production techniques and debugging
  - Learning Management System troubleshooting
  - IT networking
  - Team leadership and communication techniques
  - Manikin moulage and makeup
  - Basic medical terminology, physiology, pharmacology
  - Healthcare education practices.
  - Much more....
- Discuss and develop professional community needs and standards.

REGISTRATION INFORMATION

SimGHOSTS 2016: Australia Register Here!

Pricing
Early-Bird Registration: A $535 (Available until June 15th)
Regular Registration: A $695
*Note: Annual website subscription is no longer included in registration price. However, during the event registration you may sign up to renew or start an annual subscription at an additional 10% off. For more details about subscription benefits see page 4.

Video Workshop: Cinematography and Camera Use: A$50
TraumaSim Pre-Symposium Moulage Workshop: A$125
TraumaSim Symposium Workshops: A$75

Included Meals
Morning Tea served July 6th-7th, Lunch Served July 6th & 7th. Opening Reception included with registration.

Refunds
There are NO refunds after June 15th, 2016.

Other Questions? Keep informed about the latest information at the SG16AUS Event Page.
SimGHOSTS has once again partnered with Mantra Resorts for our event accommodations. Attendees have access to a 15% discount at multiple properties within walking distance of the Australian Catholic University.

The discount will apply for any room type staying in at Mantra on Russell, Mantra on the Park, Mantra 100 Exhibition Street, Mantra Southbank, Mantra Jolimont and Mantra St Kilda Road between 4th to 8th July 2016, and when booked before the 4th of June 2016.

All rooms are subject to availability at time of booking, there will be no release backs or inventory updates leading up to check in.

To book and receive 15% off please visit:  

And follow these simple steps:
1) Select your dates and number of people – hit SEARCH
2) Input Promo Code SimGHOSTS (case sensitive) – hit SEARCH
3) Select your room type and hit BOOK to proceed to payment screen

***Please note: promo codes are only valid for bookings made online; rooms are subject to availability & will require full prepayment. Bookings will also be subject to any minimum night stay restrictions as listed on the website.
SIMGHOSTS.ORG SUBSCRIPTION

The learning doesn't stop at SimGHOSTS events! Join 2,000 simulation champions from around the world communicating everyday answering questions, sharing tips, and creating course content!

An **Annual SimGHOSTS.org website subscription** provides for a huge number of benefits for you and your simulation team:

- **Growing Video Library** - Over 200 recorded hour+ long sessions from previous SimGHOSTS events are immediately available to watch. Topics range from a/v system design to daily utilization increases and from manikin programming to moulage creations. Instantly learn from global experts and leading vendors!
- **New* Weekly or Daily Newsletter** - Follow all the latest updates with a weekly newsletter of blog and forum topics.
- **Forums Discussion Groups** - Ask questions, gather answers, search for previous conversations, and share your successes on the only permanently saved forums dedicated to the operation of simulation technology.
- **Increased* Document Database** - Download community provided templates, example forms, policy and procedure guides, job descriptions, standard operating procedures, tutorials, and more.
- **Contact Database** - Connect with local, regional, national and international peers from our global network of simulation technology specialists
- **Simulation Jobs Board** - Post and read open positions specifically related to healthcare simulation.
- **Professional Development** - Join our growing number of teams dedicated to advancing the field of healthcare simulation technology. Research, Website, Certificate Training, Standards, and Vendor Teams are all examples of current committee teams. Join these or start your own!
- **New* Online Training Programs** - Subscribers are the only one's to get access to our online training courses covering a range of simulation technology operational topics.

**Special Discount for SimGHOSTS Event Attendees:**
Already half the price of last year's annual subscription -- Now get an extra 10% off your resource subscription by signing up during the registration for this SimGHOSTS event! For less than a cup of coffee every month, connect and learn from the global community of healthcare simulation technology specialists.

**Join or Renew during SG16AUS Event Registration!**
Welcome To SimGHOSTS 2016!

Event Information

Event Dates
Pre-Symposium: July 5th, 2016
Main Symposium: July 6th, 7th and 8th, 2016
@ Australian Catholic University in Melbourne, VIC

Registration:
Regular Rate - A $695
Select workshops have additional supply fees; see agenda for more information
Limited quantity of discounted student day passes available.

CPD Endorsement:
This SimGHOSTS 2016:Australia conference is endorsed by ACN according to our Continuing Professional Development (CPD) Endorsed Course Standards. It has been allocated CPD hours according to the Nursing and Midwifery Board of Australia – Continuing Professional Development Standard.

<table>
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<th>Day</th>
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<tr>
<td>Pre-Symposium Workshop P2</td>
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PLATINUM SPONSOR:
LAERDAL MEDICAL

Laerdal Medical is a leading provider of training, educational and therapy products and services for lifesaving and emergency medical care. Our vision is that no one should die or be disabled unnecessarily during birth or from sudden illness or trauma.

Laerdal’s portfolio of medical simulation products, CPR training manikins and emergency therapeutic products are used by enterprises around the world, including voluntary organisations, educational institutions, hospitals and the military.

Laerdal has been at the cutting edge of innovation healthcare training since the launch of Resusci Anne in 1960. Today, this extensive experience comes to the forefront with our comprehensive range of patient simulators. Through the creation of high quality simulation solutions, we are committed to increasing the potential and scope of this most valued training methodology in support of our long held mission of helping save lives.

The Laerdal Services portfolio offers comprehensive Educational Services to support your implementation goals, and extensive Technical offerings to meet your simulator servicing needs. From simulator installation, routine preventative maintenance, product orientation and operation through to helping you realise your institution’s learning objectives and incorporating scenarios, Laerdal Services are available to help make your simulation-based training program a success.

LEARN MORE AT WWW.LAERDAL.COM
Mediquip was established in 1983 and has grown to become a pre-eminent force in the fields of biomedical and medical gas equipment. Mediquip sells to and services customers throughout Australia and New Zealand in all states and territories. Mediquip has its Head Office located in Queensland with branch offices in New South Wales and Victoria.

Our partnership with CAE Healthcare was seen as a natural progression and the relationship has been developing rapidly. CAE’s superior quality, highly technical range of patient simulators fit firmly within our product portfolio. Mediquip has now been a CAE agent for more than 7 years, assuring customers quality product advice and technical support from manufacturer trained staff.

VisionX Technologies is the exclusive Australia & New Zealand distributor for B-Line Medical SimCapture and LiveCapture systems. B-Line Medical systems provide healthcare educators and clinicians with innovative video-driven solutions to effect real and immediate improvement in the delivery of care. Over 450 institutions now use B-Line Medical SimCapture and LiveCapture systems to record, assess and manage simulated and clinical encounters.

VisionX Technologies has extensive experience in engineering and managing complex integration projects including medical simulation and media capture systems for many major institutions across Australia and New Zealand.

ECONOMICAL
iSimulate provides highly advanced simulation platforms for far less than the cost of traditional systems.

EASY TO USE
If you own or use a smartphone or tablet, you’ll already know how to use the best of our products.

A NETWORK OF RESOURCES
iSimulate Online provides access to an international network of medical professionals that use our products.

www.isimulate.com
Are you a master specialist of the simulation technology arts? Know you have what it takes to become the Highlander of SimGHOSTS? (There can be only one). Then grab your packs and sign up for the “Bug-Busters” Simulation Technician Troubleshooting competition. Sign up for the challenge during the survey portion of your event registration.

THE CHALLENGE

Participants will have 10 minutes to diagnose and repair multiple system issues in a clinical simulation room dealing with these topics:

- Simulator mechanics
- Patient voice
- Simulator software
- Patient monitor
- IV and other medical equipment
- Moulage
- Etc.

Participants will be judged on speed, number of fixes completed successfully, creativity and professionalism, as well as have chances for points via trivia questions.

COMPETITION SCHEDULE

Bug-Busters rounds will take place on July 6th and 7th during morning and afternoon breaks, as well as during lunch.

Final Round will take place at the end of the day on July 7th, 5:00 PM - 6:00 PM during our Awards Ceremony.

Grand Prize: Free Registration to SimGHOSTS 2017 Event

2nd Prize: A$125 Amazon Gift Card

3rd Prize: A$75 Amazon Gift Card
### JULY 5: PRE-SYMPOSIUM

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<td>P4 - TRUMASIM COMPREHENSIVE MOULAGE COURSE - A$125</td>
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<td>DANIEL MANNIX 3.09 &amp; 3.10 PAGE 15</td>
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<td>1:00 PM</td>
<td>PRE-SYMPOSIUM WORKSHOP</td>
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<td>P2 - VIDEO WORKSHOP: CINEMATOGRAPHY AND CAMERA USE - A$50</td>
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<td>8:30 AM</td>
<td>REGISTRATION &amp; EXHIBIT HALL OPEN - MARY GLOWREY LOBBY</td>
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<td>WELCOMING REMARKS</td>
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<td>TO BOLDLY GO - THE PAST, PRESENT, AND FUTURE OF HEALTHCARE SIMULATION</td>
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<td>A3 - 5 KEY IDEAS FOR YOUR LEADERSHIP CAREER IN SIMULATION</td>
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<td>A4 - HEATMAPPING NURSING PATIENT INTERACTIONS USING STUDIOCODE</td>
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<td>A5 - SETTING UP A CENTRE FOR INNOVATION IN MEDICAL EDUCATION IN KARACHI</td>
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<td>A1 - INTRODUCING SIMMAN ALS &amp; SIMVIEW MOBILE: INTEGRATED INSITU TRAINING</td>
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<td>B3 - 5 KEY IDEAS FOR PROJECT MANAGEMENT IN SIMULATION</td>
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<td>B4 - MYSTERY BOX CHALLENGE</td>
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<td>B1 - CULTURAL DIVERSITY TRAINING USING 3D SIMULATION</td>
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<td>MEET YOUR VENDOR: LAERDAL MEDICAL</td>
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JULY 6 - AFTERNOON, CONT'D

3:30 PM  **SESSION BLOCK C**

C1 - LAERDAL MEDICAL THEME EDITOR WORKSHOP

**SIMULATION TECHNOLOGY**  MARY GLOWREY 4.44B  PAGE 21

C3 - OPEN LABYRINTH VIRTUAL PATIENTS

**INFORMATION TECHNOLOGY**  MARY GLOWREY 4.44A  PAGE 21

C4 - TRAUMASIM INTRODUCTORY MOULAGE WORKSHOP - A$45

**MOULAGE TECHNOLOGY**  DANIEL MANNIX 3.09 & 3.10  PAGE 21

C5 - THE BASICS, OR SIMULATION FOR NOT SO BASIC SIMULATIONS

**SIMULATION TECHNOLOGY**  DANIEL MANNIX 7.02  PAGE 21

C2 - MANAGING UNDERUTILISED SIMULATION EQUIPMENT IN YOUR FACILITIES

**MANAGEMENT**  DANIEL MANNIX 6.03  PAGE 21

5:30 PM  CLOSING REMARKS & GROUP PHOTO  PHILIPPA BRAZILL AUDITORIUM

6:30 PM  OPENING RECEPTION SHUTTLE BUS - DEPARTURE FROM ACU CAMPUS

**7:00 PM**  OPENING RECEPTION SPONSORED BY LAERDAL  SCIENCEWORKS
### JULY 7 - MORNING & AFTERNOON

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<td>WELCOMING REMARKS</td>
<td>PHILIPPA BRAZILL AUDITORIUM</td>
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<td>DR. CYLE SPRICK</td>
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<td>[GENERAL EDUCATION] LVL 6 DANIEL MANNIX</td>
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<td><strong>D3 - 5 KEY IDEAS FOR YOUR LEADERSHIP CAREER IN SIMULATION</strong></td>
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<td>[MANAGEMENT] PHILIPPA BRAZILL AUD.</td>
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<td><strong>D5 - SETTING UP A CENTRE FOR INNOVATION IN MEDICAL EDUCATION IN KARACHI PAKISTAN</strong></td>
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<td><strong>D1 - THE EVOLUTION OF ISIMULATE: WHAT YOU'VE BEEN MISSING</strong></td>
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<td><strong>F3 - RAMP UP YOUR RECORD KEEPING</strong></td>
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<td><strong>F1 - SPHERICAL STEREO VIDEO &amp; 3D PRINTING</strong></td>
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<td><strong>F4 - TRAUMASIM INTRODUCTORY MOULAGE WORKSHOP - A$45</strong></td>
<td><strong>MOULAGE TECHNOLOGY</strong></td>
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<td><strong>F2 - VIDEO BASICS WORKSHOP</strong></td>
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#### 5:30 PM  
**AWARDS & BUG-BUSTERS FINALS**  
PHILIPPA BRAZILL AUDITORIUM

### JULY 8 - MORNING

#### 9:00 AM  
**SESSION BLOCK G**

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<td><strong>G3 - IT OVERVIEW WORKSHOP</strong></td>
<td><strong>INFORMATION TECHNOLOGY</strong></td>
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#### 1:00 PM  
**CLOSING REMARKS & FINAL EVENT SURVEYS**  
PHILIPPA BRAZILL AUDITORIUM
PRE-SYMPOSIUM WORKSHOPS

These extended sessions allow participants to get an in-depth, hands-on experience on a particular topic. Space is limited for these exciting and informative workshops!

TUESDAY, JULY 5 9:00 AM - 5:00 PM

P4 - FULL DAY Comprehensive Moulage Workshop - A$125

MOULAGE TECHNOLOGY
Room Assignment TBA

Nola Pearce, TraumaSim

LEARNING OBJECTIVES
During this workshop we will teach techniques suitable for live role players or manikins. This workshop will cover techniques used to create cuts and abrasions, bruises, rashes, shock and burns, and various wounds. No prerequisite.

Lunch provided for participants.

TUESDAY, JULY 5 1:00 PM - 5:00 PM

P2 - Video Basics Workshop - A$50

AUDIOVISUAL TECHNOLOGY
Room Assignment TBA

Lance Baily
Ryan Eling

LEARNING OBJECTIVES
Define basic cinematography terminology
Identify the major components of a common video camera recording setup.
Discuss the rules of lighting, framing and staging a proper video.

This session will give attendees a chance to get hands-on with shooting quality video. Beginning with a quick overview of cinematography basics and video camera terminology, the session will then turn to small group recording time. Groups will be tasked with creating quality recordings of a random list of angles, actions and moves. Groups will get to explore the ACU campus to create dynamic and effective video clips, to then be used in Friday's video editing workshop.
KEYNOTE ADDRESS SPONSORED BY LAERDAL MEDICAL:
TO BOLDLY GO - THE PAST, PRESENT, AND FUTURE OF
HEALTHCARE SIMULATION

Lance Baily,
Founder & Development Director, SimGHOSTS

**Bio:** Lance Baily is an innovator and thought leader in the world of healthcare simulation. Using his background in digital media production and EMS fire fighting, as well as his work as a Simulation Technology Specialist, Lance founded several of the world’s leading websites, organizations, and events in the field of healthcare simulation. Lance also served as the inaugural Director of the Nevada System of Higher Education's massive multi-institutional Clinical Simulation Center of Las Vegas. Desiring to make a global impact, Lance founded what has become the world's most-read medical simulation resource website: HealthySimulation.com.

Never satisfied with the status quo, Lance went on to create SimGHOSTS.org, a non-profit organization that supports professionals in the healthcare simulation industry through hands-on training events, online resources, and professional development. Because of overwhelming global demand, SimGHOSTS now operates four annual events, including ones in the United States, the United Kingdom, Australia, and the United Arab Emirates. SimGHOSTS has also forged successful affiliations with simulation organizations all over the world, including SSH, ASPE, ASPiH, Simulation Australia, and IPSS. In a drive to create excellence, SimGHOSTS has recently partnered with INACSL to develop a new professional competency standard for the position of Healthcare Simulation Technology Specialist.

Lance continues to be a change-maker and innovator in the field of healthcare simulation. All of his projects and efforts are based on a core belief: that emerging technology can create community and empower people to solve bigger problems faster.

**Abstract:** In his best selling book Outliers, Malcolm Gladwell examines the factors that contribute to high levels of success. Gladwell considers why the majority of Canadian ice hockey players are born in the first few months of the year, how Microsoft co-founder Bill Gates achieved his extreme wealth, and why the Beatles became one of the most successful musical acts in human history. Throughout his book, Gladwell theorizes how historical and cultural circumstances can pave the way for such phenomenal success.

What can the healthcare simulation industry learn from a similar exploration of its own past, present, and future? Simulation Evangelist Lance Baily has applied Gladwell's theories to our industry and will explain why his projects, including HealthySimulation.com and SimGHOSTS.org, have made such huge global impacts in just five short years. By understanding the core truths behind the success of these projects, participants will take away valuable arguments they can use to advocate for the expanded use of simulation in their own home institutions.

Finally, Lance will explore how the historical and cultural forces that are now in motion will transform healthcare simulation as we know it from a small community of early-adopters to a universal standard embraced by all.
SESSION BLOCK A: JULY 6, 11:00 AM - 11:50 AM

A2 - ACU Health Simulation Centre Tour

**GENERAL EDUCATION**
Room Assignment TBA

**LEARNING OBJECTIVES**
Discuss the need for a strategic approach to simulation centre design.
Explore issues relating to simulation centre design to meet the needs of students, teachers and the organisation.
Discuss the challenges and opportunities for simulation centres emerging from advancements in simulation technologies.

Simulation centres come in all shapes and sizes and should be designed according to the specific needs of the organisation to which it services. At ACU, drivers include large student numbers and a range of disciplines within the Faculty of Health Sciences. This tour will provide participants with an opportunity to view the Melbourne Campus Health Simulation Centre and discuss the principles underpinning its design.

A3 - 5 Key Ideas for Your Leadership Career in Simulation

**MANAGEMENT**
Room Assignment TBA

**LEARNING OBJECTIVES**
The links between projects, people and successful results
How to recognise leadership traits in yourself
At A purposeful framework for leaders to turn problems into solutions

Do you know your personal options when it comes to leading in the field of simulation? There are different opportunities within every field to become a leader. This 50-minute seminar will introduce you to 5 Key Ideas for leadership in simulation. You will learn differences between being a manager and a leader, different ways to lead and their benefits, and your personal options for having a leadership career in simulation.

A4 - Heatmapping Nursing Patient Interactions Using Studiocode Software

**AUDIOVISUAL TECHNOLOGY**
Room Assignment TBA

**LEARNING OBJECTIVES**
Gain an understanding of applications of heatmapping
Understand applications of video analysis in Simulation research
Gain insight into challenges of Simulation based research

This presentation will discuss the methods followed in analyzing numerous videos of a simulated routine nursing workflow performed by a number of registered nurses following the same simulation scenario. The aim of this study was to compare nurse and patient interactions before and after a change in nursing workflow, and to identify any latent potential infection risks introduced by this change. The recorded data is then displayed as a "heat map" which reveals correlations between movement through the patient space and infection control. This data can then inform changes that may be required to workflow, and or equipment placement.

A5 - Setting Up a Centre for Innovation in Medical Education In Karachi Pakistan

**MANAGEMENT**
Room Assignment TBA

**LEARNING OBJECTIVES**
To present an overview of how to design and plan a simulation centre
To understand how finances impact on selection of equipment and mannequins
To understand how curriculum design ties in with simulation

The presentation will describe the process from conceptualization to operationalization of a simulation center in Karachi Pakistan. A journey of this project will be presented which took ten years to complete. The newly commissioned state of the art facility has a range of facilities for medical, nursing and allied health students as well as professionals to learn in a risk-free environment with the help of high-quality learning tools, mannequins and simulators.

**Representatives**
Laerdal Medical Representatives

**Laerdal Medical**
Representatives from our Platinum Sponsor Laerdal Medical will present on their company’s SimMan ALS & SimView Mobile platform.
Following participation in this session the attendee will be able to describe areas in their own work environment where they are able to reduce costs.

Participation in this session will allow the attendee to build upon prior knowledge and discuss the use of consumables and equipment with others in simulation.

SESSION BLOCK B: JULY 6, 12:00 PM - 12:50 PM

**B2 - Simulation Design: More Than a Bolt-On Approach**

**GENERAL EDUCATION**

Room Assignment TBA

* Stephen Guinea
  * Patrea Andersen

**LEARNING OBJECTIVES**

Discuss the fundamental principles of curriculum alignment.

Explore strategies for increasing student curiosity in learning during low-technology simulation.

Plan one simulation experience engaging the principles and strategies discussed in this session.

In an Australian tertiary education environment characterised by high sessional academic staff, the role of the Simulation Technician is increasingly significant in the student experience of simulation. This session explores the concepts of curriculum and innovative and cost efficient ways Sim Techs can stimulate students (and academics) curiosity and learning.

**B3 - 5 Key Ideas for Project Management in Simulation**

**MANAGEMENT**

Room Assignment TBA

* Dr Richard Huysmans
  * Madeleine Hathaway

**LEARNING OBJECTIVES**

The four variables of project management

How to manage changes in the project without impacting quality

A project management tool for your tasks, timing, people and objectives

Do you know the management process that scientists, engineers, and managers have been using forever? Project Management is all about controlling (in a good way) how an activity progresses. This 50-minute seminar will introduce you to 5 key ideas for project management in simulation. You will learn how to simplify your project management by managing time, scope, cost and quality. This seminar will give you some ideas on areas of your project you can change without needing positional authority to do so. This seminar will introduce you to the tools you need to be a good manager of simulation projects.

**B4 - Mystery Box Challenge**

**SIMULATION TECHNOLOGY**

Room Assignment TBA

* Wendy Katterns
  * Penelope Buntine

**LEARNING OBJECTIVES**

The participant is able to identify items in their work environment that can be reused, recycled or reinvented.

Following participation in this session the attendee will be able to describe areas in their own work environment where they are able to reduce costs.

* Presentation on how our center repairs, reuses and reinvents. * Open discussion on how the participants manage their consumables and the maintenance of their equipment. * Supply of a common items used in health professional education to each group. Different items in each “Mystery Box” * Supply of items found in our hospitals expired stock and donation box for the participants to utilize in creating their item. * Supply of miscellaneous tools and kit to help in construction. eg: scissors, forceps, tape, zip ties, screwdrivers, screws. * Room set up - groups of tables, participants self select groups for activities.

**B5 - The Power of Collaboration**

**GENERAL EDUCATION**

Room Assignment TBA

* Natasha Eaton

**LEARNING OBJECTIVES**

Gain insight into the benefits and challenges of collaboration

Explore strategies to overcome barriers to collaboration

Consider opportunities to enhance collaboration in their simulation setting

Desired outcomes in healthcare rely on the collaboration of a multidisciplinary team. The same applies for simulation based education for healthcare providers. To optimise the outcomes and experience of SBE, the expertise of the simulation team and the expertise of the clinician or content expert is necessary. The purpose of this presentation is to share the experiences of a novice simulation team with relation to the power of collaboration and to encourage participants to explore opportunities for collaboration in their SBE setting and to identify barriers to collaboration (and strategies to overcome them).

**B1 - Cultural Diversity Training Using 3D Simulation**

**MANAGEMENT**

Room Assignment TBA

* Tracy Levett-Jones

**LEARNING OBJECTIVES**

Describe the design process for a 3D video-based simulation

Identify potential uses for 3D video-based simulation

Explain how a 3D video creates an immersive experience

Australia is one of the most culturally and linguistically diverse nations in the world, a fact which has placed pressure on the healthcare system to ensure that all people have access to culturally safe healthcare. However, multiple reports describe misunderstandings, miscommunication, and culturally unsafe care by health professionals. The project described in this presentation sought to enhance the cultural empathy and cultural competence of nursing students by exposing them to an immersive 3D simulation experience. This presentation will show the process of developing the 3D video, initial video development and subsequent refinement to the final 3D experience.
MEET YOUR VENDOR SESSION

At SimGHOSTS, we believe Simulation Technology Specialists are the real “end-users”. Wish you could ever sit down with your vendor and share your concerns or your suggestions? Well come join us at this facilitated session to share with your vendor technical and constructive feedback about their products and services.

A mission of SimGHOSTS is to help speed up technology adoption and be a bridge for the medical simulation technical community and manikin manufacturers. Make suggestions to improve software manipulation and hardware utilization. This time is also saved to provide more opportunity to engage with the vendor exhibit area.
Stephen Guinea is the Coordinator of Health Simulation for the Faculty of Health Sciences at Australian Catholic University (ACU). Within this role, Stephen has driven the strategic direction of health simulation at ACU focusing on simulation learning environments, staff capacity and capability and curriculum integration with the purpose of a quality student (and staff) experience of simulation. Stephen's research interests include simulation design for authentic learning, clinical skills development and integrating theories of workplace learning into university curriculum. Stephen has received three learning and teaching awards including a 2013 Office for Learning and Teaching Citation for Outstanding Contribution to Student Learning. Stephen's PhD research focused on designing sociocultural simulation for international nursing students as preparation for the clinical placement.

Making Simulation Work: Relationships Matter
Stephen Guinea Senior Lecturer & Coordinator of Health Simulation Faculty of Health Sciences, Australian Catholic University One of the greatest challenges facing health simulation programs is meeting the needs of the various stakeholders in a sustainable way. A significant part of this challenge is understanding the various needs and expectations, creating and communicating a vision, and enacting the vision in a way that is sustainable. The Faculty of Health Sciences at Australian Catholic University (ACU) has taken a strategic approach to the advancement of health simulation in terms of building facilities, capacity and capability of simulation technical services, education and training, curriculum integration and research. The success of such an approach is dependent on communication and relationships. In this session, I will discuss that whilst very large student numbers, limited numbers of simulation technicians and an increasingly sessionalised academic workforce present particular challenges to advancing a simulation agenda for 13 health disciplines across 6 campuses, significant opportunities exist. The rapid advancement of simulation and simulation related technologies and a clear and consistent vision of simulation as a learning and teaching method shared by all stakeholders allows for thinking about how to "do" simulation in a way that meets these challenges. This session will describe the ongoing approach to building a sustainable simulation program at ACU and the essential contribution simulation technicians make to such success.
SESSION BLOCK C: JULY 6, 3:30 PM - 5:20 PM

C1 - Laerdal Medical Theme Editor Workshop

SIMULATION TECHNOLOGY

Laerdal Theme Editor is the software used to develop themes and states for manual mode of SimPad. This workshop will take you through the essential steps to write a new theme or edit an existing theme. It is suitable for beginner to intermediate level SimPad users.

Room Assignment TBA

Laura Vesey, Laerdal Medical

LEARNING OBJECTIVES

- Identify the steps to create a theme in Laerdal Theme Editor
- Identify the process of creating states in Laerdal Theme Editor
- Describe best uses of manual mode with SimPad

Laptop PC, SimPad and SimPad PC USB Cable Required

Please download SimPad Theme Editor prior from http://www.laerdal.com/au/themeeditor

C4 - TraumaSim Introductory Moulage Workshop - A$45

MOULAGE TECHNOLOGY

Room Assignment TBA

Nola Pearce

LEARNING OBJECTIVES

- During this introductory workshop we will teach techniques suitable for live role players or manikins.
- This workshop will cover simple techniques used to create injuries and the application and presentation of premade wounds.
- This workshop will spark your interest in further developing your moulage skills.

MOULAGE in nursing, medicine, paramedical and allied health simulations improves learning and take up of skills. During this introductory workshop we will teach techniques suitable for live role players or manikins. This workshop will cover simple techniques used to create injuries and the application and presentation of premade wounds. No prerequisite. This hands on practical workshop is lots of fun and informative and useful to all who work in health sim.

C5 - The Basics or Simulation for not so Basic Simulations

SIMULATION TECHNOLOGY

Room Assignment TBA

Chris Carpenter

LEARNING OBJECTIVES

- Better understanding of simulation technicians role in simulation
- Better skills in the control room and simulation lab
- Better managed simulation program from a technical perspective

Medical simulation is a relatively new field for many technicians, and while training on individual pieces of equipment is often available from manufacturers and suppliers, knowing what to set-up and how to run a successful scenario is often overlooked. This presentation takes simulation technicians back to first principles and outlines simple non-technical principles so that technicians of all levels of experience can improve the quality of their simulations.

C3 - Open Labyrinth Virtual Patients

INFORMATION TECHNOLOGY

Room Assignment TBA

Cyle Sprick

LEARNING OBJECTIVES

- Explain the advantages and disadvantages of the Open Labyrinth platform
- List the resources needed to get started with Open Labyrinth
- Discuss the possible uses of a virtual patient experience in a comprehensive simulation program

Virtual patients are interactive and don't require much, if any, input from the faculty after the development phase, making them theoretically much less expensive. OpenLabyrinth is an open source implementation of a web-page interactive story-telling system (a high-tech 'choose your own adventure' story). Programming features such as counters (variables), branching and rules allow the creation of very complex cases. Detailed logging allows for in depth analysis of users journeys through the cases. This presentation will discuss various Virtual patient systems and give an introduction to the use of Open Labyrinth.

C2 - Managing Underutilised Simulation Equipment in Your Facilities

MANAGEMENT

Room Assignment TBA

Kelvin Upton
Sonia Gardner-Hillgrove
Nicole Jones de Rooy

LEARNING OBJECTIVES

- Participants will identify why current equipment is under used in their facilities.
- Participants will review root causes and analyse what options are available to them to use the equipment effectively.
- Participants will develop a plan of action to get this equipment out of the closet!

There are many reasons why simulation facilities have underutilized equipment. You're not alone! This session will identify the root causes of underutilised equipment by stepping through the equipment lifecycle. As well as providing participants an interactive session that will inspire participants to think creatively on how they can use their current underutilised equipment in the future. Come to this session with your thinking cap on, willing to share a photo of your equipment and participate in brainstorming.
OPENING RECEPTION & NETWORKING EVENT @ SCIENCEWORKS

SCIENCE PARTY!
We'll be enjoying cocktails and refreshments in the Main Exhibition Gallery of Scienceworks for our Opening Reception, sponsored by Laerdal Medical. Guests will have access to numerous interactive science exhibits focusing on physical fitness and how the human body works!

NETWORK & CELEBRATE OUR COMMUNITY
One of SimGHOSTS' goals is to bring people together, forging connections to create national and international partnerships. Our evening reception and party offers SG16AUS attendees the chance to get to know others working with healthcare simulation technology, all while having some fun!

6:30 PM - SHUTTLE BUS DEPARTS ACU MARY GLOWREY BUILDING

WOO HOO! PARTY TIME!
PLENARY ADDRESS: AUGMENTED PATIENTS

Dr. Cyle Sprick
Director of the Clinical Simulation Unit
School of Medicine at Flinders University

Bio: Dr Cyle Sprick is the Director of the Clinical Simulation Unit in the School of Medicine at Flinders University in South Australia. Dr Sprick has a PhD in Biomedical Engineering with a focus on clinical simulation. Clinically, Dr Sprick has been a practicing Paramedic since 1996, first in Texas, and then in Adelaide from 2000. Sitting at the nexus of clinical practice, education and biomedical engineering, Dr Sprick brings a unique perspective to clinical simulation.

Before moving to Australia in 2000, Cyle worked for Oceaneering Space Systems (a NASA contractor) designing and building cryogenic (liquid air) based life support systems for underwater astronaut training, firefighters, and haz-mat workers. He also worked on the design of a liquid oxygen based life support system for the Mars mission space suit, and various robotic projects.

Abstract: Augmented patients are an amalgamation of manikins, simulated patients (actors) and task trainers to provide the best of all three when simulating the deteriorating patient. Dr Cyle Sprick from Flinders University in Adelaide has been developing this style of simulation for over a decade. Dr Sprick will discuss some of the work of the giants on who’s shoulders we stand as well as some of the new technological developments that are enabling this modality.
Simulation centres come in all shapes and sizes and should be designed according to the specific needs of the organisation to which it services. At ACU, drivers include large student numbers and a range of disciplines within the Faculty of Health Sciences. This tour will provide participants with an opportunity to view the Melbourne Campus Health Simulation Centre and discuss the principles underpinning its design.

**LEARNING OBJECTIVES**
- Discuss the need for a strategic approach to simulation centre design.
- Explore issues relating to simulation centre design to meet the needs of students, teachers and the organisation.
- Discuss the challenges and opportunities for simulation centres emerging from advancements in simulation technologies.

#### D3 - 5 Key Ideas for Your Leadership Career in Simulation

**MANAGEMENT**
- Room Assignment TBA
  - Dr Richard Huysmans
  - Madeleine Hathaway

**LEARNING OBJECTIVES**
- The links between projects, people and successful results.
- How to recognise leadership traits in yourself.
- 'At A purposeful framework for leaders to turn problems into solutions.

Do you know your personal options when it comes to leading in the field of simulation? There are different opportunities within every field to become a leader. This 50-minute seminar will introduce you to 5 Key Ideas for leadership in simulation. You will learn differences between being a manager and a leader, different ways to lead and their benefits, and your personal options for having a leadership career in simulation.

#### D4 - Heatmapping Nursing Patient Interactions Using StudioCode Software

**AUDIOVISUAL TECHNOLOGY**
- Room Assignment TBA
  - Phil Williams

**LEARNING OBJECTIVES**
- Gain an understanding of applications of heatmapping.
- Understand applications of video analysis in Simulation research.
- Gain insight into challenges of Simulation based research.

This presentation will discuss the methods followed in analyzing numerous videos of a simulated routine nursing workflow performed by a number of registered nurses following the same simulation scenario. The aim of this study was to compare nurse and patient interactions before and after a change in nursing workflow, and to identify any latent potential infection risks introduced by this change. The recorded data is then displayed as a "heat map" which reveals correlations between movement through the patient space and infection control. This data can then inform changes that may be required to workflow, and or equipment placement.

**Simulation Centre and discuss the**

**Management**
- Room Assignment TBA
  - Stephen Guinea

**Learning Objectives**
- Discuss the need for a strategic approach to simulation centre design.
- Explore issues relating to simulation centre design to meet the needs of students, teachers and the organisation.
- Discuss the challenges and opportunities for simulation centres emerging from advancements in simulation technologies.

The four variables of project management are planning, controlling, budgeting and quality management. The presentation will describe the process from conceptualization to operationalization of a simulation center in Karachi Pakistan. A journey of this project will be presented which took ten years to complete. The newly commissioned state of the art facility has a range of facilities for medical, nursing and allied health students as well as professionals to learn in a risk-free environment with the help of high-quality learning tools, mannequins and simulators.

**Learning Objectives**
- To present an overview of how to design and plan a simulation centre.
- To understand how finances impact on selection of equipment and mannequins.
- To understand how curriculum design ties in with simulation.
### E1 - Web Services & Apps for Flexible Project Management

**GENERAL EDUCATION**
Room Assignment TBA

**LEARNING OBJECTIVES**
- Identify 3 free web services for project management
- Explain the pros and cons of the Google Docs & Calendar platform
- Explain the major tools within Trello

**Managing Simulation Projects**

- **Room Assignment TBA**
- **SimGHOSTS Team**

- **LEARNING OBJECTIVES**
  - Gain insight into the benefits and challenges of collaboration
  - Explore strategies to overcome barriers to collaboration
  - Consider opportunities to enhance collaboration in their simulation setting

### E2 - Simulation Design: More Than a Bolt-On Approach

**GENERAL EDUCATION**
Room Assignment TBA

**LEARNING OBJECTIVES**
- Discuss the fundamental principles of curriculum alignment
- Explore strategies for increasing student curiosity in learning during low-technology simulation
- Plan one simulation experience engaging the principles and strategies discussed in this session

**E2 - Simulation Design: More Than a Bolt-On Approach**

In an Australian tertiary education environment characterised by high sessional academic staff, the role of the Simulation Technician is increasingly significant in the student experience of simulation. This session explores the concepts of curriculum and innovative and cost efficient ways Sim Techs can stimulate students (and academics) curiosity and learning.

**Room Assignment TBA**

**Dr Richard Huysmans**
Madeleine Hathaway

### E3 - 5 Key Ideas for Project Management in Simulation

**GENERAL EDUCATION**
Room Assignment TBA

**LEARNING OBJECTIVES**
- The four variables of project management
- How to manage changes in the project without impacting quality
- A project management tool for your tasks, timing, people and objectives

**E3 - 5 Key Ideas for Project Management in Simulation**

Do you know the management process that scientists, engineers, and managers have been using forever? Project Management is all about controlling (in a good way) how an activity progresses. This 50-minute seminar will introduce you to 5 key ideas for project management in simulation. You will learn how to simplify your project management by managing time, scope, cost and quality. This seminar will give you some ideas on areas of your project you can change without needing positional authority to do so. This seminar will introduce you to the tools you need to be a good manager of simulation projects.

**Room Assignment TBA**

**Dr Richard Huysmans**
Madeleine Hathaway

### E4 - Mystery Box Challenge

**SIMULATION TECHNOLOGY**
Room Assignment TBA

**LEARNING OBJECTIVES**
- The participant is able to identify items in their work environment that can be reused, recycled or reinvented.
- Following participation in this session the attendee will be able to describe areas in their own work environment where they are able to reduce costs.
- Participation in this session will allow the attendee to build upon prior knowledge and discuss the use of consumables and equipment with others in simulation.

**E4 - Mystery Box Challenge**

- **Room Assignment TBA**
- **Penelope Buntine**

<table>
<thead>
<tr>
<th>Item/Activity</th>
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<tbody>
<tr>
<td>* Presentation on how our center repairs, reuses and reinvents.</td>
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<td>* Open discussion on how the participants manage their consumables and the maintenance of their equipment.</td>
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<td>* Room set up - groups of tables, participants self select groups for activities.</td>
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</tbody>
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### E5 - The Power of Collaboration

**GENERAL EDUCATION**
Room Assignment TBA

**LEARNING OBJECTIVES**
- Gain insight into the benefits and challenges of collaboration
- Explore strategies to overcome barriers to collaboration
- Consider opportunities to enhance collaboration in their simulation setting

**E5 - The Power of Collaboration**

Desired outcomes in healthcare rely on the collaboration of a multidisciplinary team. The same applies for simulation based education for healthcare providers. To optimise the outcomes and experience of SBE, the expertise of the simulation team and the expertise of the clinician or content expert is necessary. The purpose of this presentation is to share the experiences of a novel simulation team with relation to the power of collaboration and to encourage participants to explore opportunities for collaboration in their SBE setting and to identify barriers to collaboration (and strategies to overcome them).

**Room Assignment TBA**

**Natasha Eaton**

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**SimGHOSTS Team**

**SIMGHOSTS.ORG**

**@SIMGHOSTS**

**#SG16AUS**
PLENARY ADDRESS
THE FUTURE OF SIMULATION:
A LAERDAL PERSPECTIVE

Gerrard Allis & Michael Stanton
Laerdal Medical

We will explore Laerdal’s vision for simulation services and solutions into the future, focusing on new technology and enhanced product integration.
THURSDAY, JULY 7, 2:40 PM - 3:30 PM

DIY PROJECT SHOWCASE & POSTER EXHIBITION
SPONSORED BY

A chance for you and your colleagues to share projects, programs, best practices and more! We'll be handing out an audience-selected "People's Choice" Award as well as an SimGHOSTS "Best In Show" Award

Poster & Project Submissions still being accepted here!
F3 - Ramp up your record keeping

INFORMATION TECHNOLOGY
Room Assignment TBA

Kirrian Steer
Emma Horsfield

LEARNING OBJECTIVES
Design and create Excel spreadsheets and forms for simulation reporting

Interpret excel spreadsheet data for simulation reporting

F2 - Video Basics Workshop

AUDIOVISUAL TECHNOLOGY
Room Assignment TBA

Lance Baily
Ryan Eling

LEARNING OBJECTIVES
Define basic cinematography terminology

Discuss the rules of lighting, framing and staging a proper video.

F1 - Spherical Stereo Video & 3D printing

SIMULATION TECHNOLOGY
Room Assignment TBA

Cyle Sprick

LEARNING OBJECTIVES
Identify the steps to create a theme in Laerdal Theme Editor

Identify the process of creating states in Laerdal Theme Editor

Describe best uses of manual mode with SimPad

F4 - TraumaSim Introductory Moulage Workshop - A$45

MOULAGE
Room Assignment TBA

Nola Pearce

LEARNING OBJECTIVES
During this introductory workshop we will teach techniques suitable for live role players or manikins.

This workshop will cover simple techniques used to create injuries and the application and presentation of premade wounds.

This workshop will spark your interest in further developing your moulage skills.

Laerdal Theme Editor is the software used to develop themes and states for manual mode of SimPad. This workshop will take you through the essential steps to write a new theme or edit an existing theme. It is suitable for beginner to intermediate level SimPad users.

Laptop PC, SimPad and SimPad PC USB Cable Required

Please download SimPad Theme Editor prior from http://www.laerdal.com/au/themeeditor

Moulage improves the outcome of training by adding realism to health care scenarios and forcing participants to face realistic injuries and situations in a controlled learning environment. Moulage in nursing, medicine, paramedical and allied health simulations improves learning and take up of skills.

During this introductory workshop we will cover simple techniques used to create injuries and the application and presentation of premade wounds. No prerequisite. This hands on practical workshop is lots of fun and informative and useful to all who work in health sim.
SESSION BLOCK G: JULY 8, 9:00 AM - 1:00 PM

G3 - IT Overview Workshop
INFORMATION TECHNOLOGY
Room Assignment TBA

James Cypert

LEARNING OBJECTIVES
Upon completing the course participants will be able to describe basic networking components and their function in simulated environments.

Upon completing the course participants will be able to describe basic technology troubleshooting concepts.

Upon completing the course participants will be able to identify key components of the windows user interfaces, system tools, utilities.

This two-part workshop will cover major topics, tricks and tips for the world of information technology! Every simulated environment relies on networked components; networks are the basic structure upon which the world communicates. Learn how these networks function and how they can be unlocked and made to improve simulations. Improper computer configuration, failure to properly maintain, and not understanding how to properly update software components can all lead to systems that do not run for best performance. Learn how to properly configure, maintain, troubleshoot, and update a windows operating system for best performance.

G4 - TraumaSim Advanced Moulage Workshop - A$75
MOULAGE
Room Assignment TBA

Nola Pearce

LEARNING OBJECTIVES
During this workshop we will teach techniques suitable for live role players or manikins.

Topics covered include bone creation, freehand sculpting of more complex wounds, open fractures, skin flaps and problem solving.

During this workshop we will teach more advanced moulage techniques and how to get the most out of your moulage kits

Moulage improves the outcome of training by adding realism to health care scenarios and forcing participants to face realistic injuries and situations in a controlled learning environment. Moulage in nursing, medicine, paramedical and allied health simulations improves learning and take up of skills. During this workshop we will teach more advanced moulage techniques. Prerequisite is the TraumaSim Full Day Moulage Course. Topics covered include bone creation, freehand sculpting of more complex wounds, open fractures, skin flaps and problem solving.

Prerequisite Full day moulage workshop.
This is a practical hands on workshop.

G2 - Video Editing Workshop
AUDIOVISUAL TECHNOLOGY
Room Assignment TBA

Lance Baily
Ryan Eling

LEARNING OBJECTIVES
Identify the main components of the editing software workspace

Discuss how frames, audio tracks, layering and effects can affect a video production

Explain the advantages and disadvantages of 3 video editing software platforms

This workshop will give attendees the opportunity to get hands-on with video editing. Have you ever wanted to create an orientation video for your center? Or a video introduction to a complex scenario? In this workshop, you will get to learn the basics of planning out your edit. We will have workstations running a variety of video editing software, from free apps to professional suites. And the fun thing is that we will be using video clips recorded by our colleagues during the pre-symposium Video Workshop and Basic Video session.
THANKS AGAIN TO OUR PLATINUM SPONSOR

FOR HELPING TO MAKE
SIMGHOSTS 2016: AUSTRALIA POSSIBLE!

LEARN MORE AT WWW.LAERDAL.COM