



SIMGHOSTS

The Gathering Of Healthcare Simulation Technology Specialists

Official SimGHOSTS 2015: Middle East & Africa Brochure & Agenda

Version A



SimGHOSTS has partnered with Mohammed Bin Rashid Academic Medical Center, Dubai Healthcare City (DHCC) to bring their world famous simulation technology training events to the Middle East and Africa this November!

SimGHOSTS.org  [@simghosts](https://twitter.com/simghosts)

Pre-Conference: Monday November 23rd, 2015

Main Conference: Tuesday November 24th & Wednesday November 25th, 2015

Located at the: Mohammed Bin Rashid Academic Medical Center, Dubai Healthcare City (DHCC)

Join an estimated attendance of 100 other Simulation Technicians from around the world this November 23th - 25th for the global healthcare simulation industry's "Gathering of Healthcare Simulation Technology Specialists" hands-on training event. Answering an overwhelming call by the international community for continued simulation technician specific events, the SimGHOSTS non-profit 501(c)3 organization are thrilled to invite simulation technicians from around the world to join one another in Dubai, UAE.

The 2015 "SimGHOSTS" event will provide a meeting place for you to exchange ideas and network with technical peers as well as receive specialized training in manikin hardware repair & software programming, audiovisual equipment debugging, IT infrastructures, moulage makeup, team communication & leadership techniques, medical physiology and much more. As well, meet with simulation-based vendors to engage with the latest in healthcare education technology.

Who Should Attend SimGHOSTS 2015 Middle East & Africa?

Healthcare Simulation Technology Specialists ("Sim Techs"), or those permanently responsible for the technical operation and maintenance of a high-fidelity healthcare simulation lab. Although the event is open to everyone, SimGHOSTS is designed for technology specialists or those responsible for the physical day-to-day operations and maintenance of simulation equipment and labs.

The SimGHOSTS event is hands-on training for healthcare Simulation Technicians (or sim lab operators) needing to successfully operate a medical simulation lab. Other events are better suited for those responsible for clinically educating learners through simulation.

What are the SimGHOSTS Sim Meeting Objectives?

- Meet with other Simulation Technicians 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 and the latest in healthcare education practices.
 - Much more....
- Discuss and develop professional community needs and standards.

Platinum Sponsor: **Simulead**

A unique business model in the HealthCare Education field, Simulead offers a wide range of solutions for end users and manufacturers of simulation technologies:



SIMULEAD

Healthcare Education Simulation Solutions

- Healthcare Education Simulation solutions: Design, equipment and operation.
- Advanced manufacturer “Train the trainer programs” in our Dubai based regional training centre.
- Highly equipped “Mock-Up” High Fidelity Simulation Lab which showcases our partners’ products and allows end users to Demo before purchasing.
- A Free Zone Stock & Spare Parts storage facility, with a Maintenance & Repair Duty Free workshop.
- A strong alliance with our well-chosen manufacturers ensures that Simulead One-Stop-Shop provides the most advanced and qualitative products to its clientele.
- Our turnkey solution services ensures that all your ambitions in the HealthCare Education Simulation are brought to reality from Infrastructure to operation.

Situated in the highly dynamic Jumeirah Lake Towers area in Dubai, our head office operates in a Free Zone Facility and caters for the Middle East and Africa Region, with expansion plans to other areas around the globe.

What makes us different?

Flawless after-sale services: To ensure optimum after sale service, SimuLead has a regional repair center operated by its highly trained engineers servicing the entire region.

Training Packages: A full in-site training package is offered by SimuLead to all its customers to widen their knowledge and ensure that they benefit from each of the products they have purchased.

One-Stop-Shop Concept: SimuLead offers a turnkey solution for clients planning to establish or upgrade their Skills lab, starting from architectural / interior design, IT / Audio Visual infrastructure, ending with the latest in simulators technologies for all your teaching goals.

To learn more, visit the simulead.pro website today!





SIMGHOSTS

The Gathering Of Healthcare
Simulation Technology Specialists

Silver Sponsor: MPC Healthcare

About MPC Healthcare: In 1970, the Modern Pharmaceutical Company was founded with the goal of becoming the leading healthcare distributor in the UAE. We invested in the best infrastructure, systems and people so that our partners and customers were guaranteed the most 'modern' facilities possible.

For four decades of experience in the GCC region, MPC has been an active partner in the advancement of healthcare in the UAE. our Medical Products and Solutions division takes prides in a track record of longevity and the tailored solutions we are able to offer to healthcare practitioners. It has remained in the forefront by having a single objective: Excellence in the products and services it provides in order to satisfy the needs of customers and principals.

MPC Profile: Today, it is this philosophy that drives everything we do. We believe in creating lasting relationships with our staff, partners and customers, building relationships based on honesty and trust, relationships that flourish. It's what motivates us to constantly find new ways to exceed the expectations of our partners and customers. finding ever better ways of building stronger relationships. Today MPC healthcare is one of the leading Pharmaceutical companies in UAE / Healthcare companies in UAE .

Mission, Vision & Values: MPC's Mission is to improve the quality of life for our people, customers and society. We will be one strong team united by our mission and values in our relentless pursuit to be the regional partner of choice in health and personal care solutions. Our commitment is to build symbiotic relationships.

MPC is the one-stop source for all medical education and simulation requirements.

At the end of everything we do is a patient who wants to get well. We are proud to have the opportunity to impact patient care in a very significant way by ensuring that the latest technologies are available.

SimGhosts previous events were fostering excellence in the operation of healthcare simulation.

This year, with our expertise and understanding of the training goals of our partners/customers in the UAE, we are glad to be part of this event of: growing professional community of simulation technology operators.

Learn more at www.mpchealthcare.com



الحدیثة
mpc

Distributor for:



Laerdal

helping save lives



Bronze Sponsor: Medaphor

MedaPhor is a global provider of advanced ultrasound skills training simulators for medical professionals. The company was formed out of Cardiff University in 2004 with an ambition to build a world-class ultrasound training company with educational excellence as its core guiding principle.



Kb Port takes great pride in not using subcontractors. From research and development, to manufacturing and installation, to training and technical support, nothing is outsourced. By doing so, Kb Port is able to provide the highest-quality service to its clients. Kb Port plans to continue this tradition to help ensure that their clients receive superior service and the latest breakthroughs in technology.

SimGHOSTS 2015 Opening Reception Dinner & Desert Safari

Join us Tuesday evening to meet and connect with your fellow Sim Techs! We will be taking a Desert Safari in 4x4 vehicles to the Alpha Tours Desert Camp in the Al Maha reservation. There we will be entertained with camel riding, belly dancers and henna tatoos. We will dine among the dunes at the camp! Entrance is included with price of registration.

Departure from Dubai Health Care City

November 24 from 6:30 PM to 11:30 PM



Who Should Attend SimGHOSTS 2015 Middle East & Africa?

Healthcare Simulation Technology Specialists (“Sim Techs”)

AND/OR

Those permanently responsible for the technical operation and maintenance of a low to high-fidelity healthcare simulation facility.

Although the event is open to everyone, SimGHOSTS is designed for technology specialists or those responsible for the physical day-to-day operations and maintenance of simulation equipment and labs.

The SimGHOSTS event is hands-on training for healthcare simulation technicians (or sim lab operators) needing to successfully operate a medical simulation lab. Other events (like IMSH or SESAM) are better suited for those responsible for clinically educating learners through simulation.



What are The SimGHOSTS Sim Meeting Objectives?

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 - Basic medical terminology, physiology, pharmacology and the latest in healthcare education practices.
 - Much more....
- Discuss and develop professional community needs and standards.

Welcome to Dubai Healthcare City

Mohammed Bin Rashid Academic Medical Center, Dubai Healthcare City (DHCC)



Event Host Website: khmsc.ac.ae

About Our Host

Mohammed Bin Rashid Academic Medical Center, Dubai Healthcare City (DHCC) Dubai Healthcare City (DHCC) was launched in 2002 by the UAE Vice President, Prime Minister and Ruler of Dubai, His Highness Sheikh Mohammed Bin Rashid Al Maktoum, to meet the demand for high quality, patient-centered healthcare. Today, DHCC is home to over 3700 licensed professionals occupying 4.1 million square feet in the heart of Dubai. DHCC combines the leading expertise of medical institutions and pre-eminent healthcare providers to deliver the A-Z of medical services.

Mohammed Bin Rashid Academic Medical Center (MBR-AMC) is the education and research arm of DHCC and aim to establish an integrated academic and advance the healthcare industry in the Middle East.

Khalaf Ahmad Al Habtoor Medical Simulation Center (KHMSC) is the leading center for medical simulation in the UAE and an institution of the Mohammed Bin Rashid Academic Medical Center, located in Dubai Healthcare City.

Where can I stay up-to-date with Meeting Details?

Visit our website at: www.simghosts.org/simghosts-uae-2015 and also stay connected with us via twitter at: [@SimGHOSTS](https://twitter.com/SimGHOSTS)

Accommodation Partner

Alpha Tours Dubai

SimGHOSTS Event Contact: Mr. Anis Aridi
Email: AnisA@alphatoursdubai.com

Cancellation and amendments are possible for one month prior to event.

Hotels

Movenpick Bur Dubai: Superior Room, SGL, BB: 790.00 AED/room/night
Superior Room, DBL, BB: 850.00 AED/room/night

Grand Hyatt: Grand Room, SGL/DBL, BB: 1280.00 AED/room/night

Ibis Deira City Center: Standard Room, SGL, BB: 490.00 AED/room/night
Standard Room, DBL, BB: 550.00 AED/room/night

NOTE: All these rates are inclusive of 10% municipality fees, 10% service charge, and breakfast, excluding Tourism Dirham fees. The above rooms and rate are subject to availability at time of firm booking.

Transport Arrival/Departure Service

Meet & Assist upon arrival (Bronze Marhaba service) Rate: 100.00 AED per person

Meet & Greet Service on Arrival. A warm welcome on Arrivals, Guide passengers towards the Marhaba desk leading to the arrivals terminal, Arrange buggy cars, (subject to availability), Handover visas or other essential documents to passengers, at the arrival terminal Expedite the clearance of passengers through passport control formalities, Assist passengers in baggage collection and escort passengers through custom clearance, Provision of special hand baggage trolleys, (subject to availability) Hand over the passengers to the receiving party at the meeting point outside arrivals.

Meet & Greet Service on Departure. A warm welcome to passengers at the exclusive Marhaba Departures area, Passengers can relax in comfort at the elegant Check-in Expedite the clearance of passengers through passport control formalities, Arrange buggy car transport to the respective departures concourse building (subject to availability), Provision of special hand baggage trolleys, (subject to availability).

Transport Arrival/Departure Service continued

Meet & Assist upon arrival (Silver Marhaba service) Rate: 160.00 AED per person

On Arrival Full escort by a Marhaba service Agent from the arrivals level at the concourse until outside the terminal, Kindly note – Passenger can be clubbed together with other passengers booked on same flight Provision of special hand baggage trolleys Assistance through all arrival formalities(Immigration, Baggage collection, Customs ,) Buggy Car ride , Handover visas or other essential documents to passengers, at the arrival terminal, Speedy clearance through passport control, Complimentary Portorage service, and Handover of passengers to the receiving party outside arrivals.

On Departure Full escort by a Marhaba Services Agent with a complimentary portorage service till the exclusive Marhaba Departures Area (where light refreshments and a selection of reading materials are available), Kindly note, Passenger can be clubbed together with other passengers booked on same flight Provision of special hand baggage trolleys Assistance through all departure formalities (Check in, Security ,fast track clearance through Immigration formalities) Buggy car transfer to the Departures Concourse building.

Arrival Transfers:

Rate: 120.00 AED/way Arrival transfer by means of BMW5S - Audi A6 - Cadillac, our airport team will be waiting for the guest handling guest's name signage at the exit and escort to the vehicle.

Departure Transfers:

Rate: 120.00 AED/way Departure transfer by means of BMW5S - AudiA6 - Cadillac, the driver will be in the lobby of the hotel 3 hours before the departure flight timing.

Airports

The closest international airport is “Dubai International Airport,” airport code DXB.

Airport Cab Shares

To encourage shared taxis, the SimGHOSTS will post an online document for attendees to share their arrival and departure times for both airports. We hope this helps attendees to coordinate taxis to and from the event.



Meals

Conference registration includes morning tea and lunch on November 24th and 25th. Attendees staying for the full-day pre-conference event will also receive morning tea and lunch. (Afternoon pre-con participants are not provided meals). Attendees are invited to opening reception Tuesday evening.

Registration Costs (All charges will be in US Dollars)

Pre-Conference Events (November 23rd):

TraumaSim Moulage Workshop (10:00AM-6:00PM):	\$125.00 USD!
Simulead Gaumard Simulator Maintenance Basics:	\$75.00 USD

Main Conference (Includes: November 24th and 25th):

Early-Bird Registration (until October 9th):	\$250.00 USD per person.
Standard Registration (October 10th - November 22nd):	\$400.00 per person.
At-event Registration:	\$500.00 per person

Registration also includes:

- Opening Reception Party Tuesday Night.
- Access to the vendor exhibit hall.
- Meals as described above.
- One year subscription to SimGhosts.Org (Currently valued at \$135.00 (£90.28)).

Registration Process

For this event, registration will be handled online through an external event management system.

Visit www.simghosts.org/simghosts-uae-2015 to register. This system will also handle invoices for check or wire transfer payments.

Refunds & Other Policies

All policies posted on the [SimGHOSTS 2015:MEA](#) event page. There are NO refunds after November 6th, 2015.

Other Questions?

Check the FAQ online at www.simghosts.org/simghosts-2015-uae. The latest version of this brochure will always be available there as well.

Email SimGHOSTS Event Director Ryan Eling with questions: Ryan@SimGHOSTS.org

SimGHOSTS 2015 Pre-Symposium Courses

Monday, November 23rd

Full-Day Comprehensive Moulage Workshop - Intermediate

Monday, November 23rd: 10:00AM – 6:00PM

TraumaSim staff

Registration: \$125

30 participants

Lunch Provided.

For over 5 years the TraumaSim team have provided trauma simulation, or moulage, to military, industry, emergency services and educational facilities across the country. We are offering a one day workshop at the SimGHOSTS 2015: MEA Training Conference to help you and your organisation gain skills in moulage. This will enhance the learning experience whenever you train in first aid, health care or emergency management.

Moulage improves the outcome of training by adding realism to emergency 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 you techniques to take a live role player or manikin and turn him/her into a realistic casualty all in a fun and friendly environment. This full day workshop will cover techniques used to create cuts and abrasions, bruises, rashes, shock and burns, and the application and presentation of pre made wounds.

Gaumard Simulator Overview & Maintenance Tips & Tricks

Monday, November 23rd: 2:00PM – 6:00PM

Simulead Representatives

Registration: \$50

30 participants

The Simulead team will give hands-on demonstrations of Gaumard Scientific's product line of high fidelity simulators.

Participants will get to learn the basics of operation, as well as be exposed to reliable preventative maintenance procedures and quick fixes.

Expect to have a thorough understanding of Gaumard equipment by the end of this workshop.



The Essential Audio Bootcamp - An introduction to audio tools: Microphone to mixer to amplifier

Monday, November 23rd: 2:00PM – 6:00PM

Scott Crawford & Todd Dadaleares

30 Participants

Audio systems are integral to the delivery of healthcare simulation. This course will discuss the components that are required for their use and give a hands on demonstration of multiple components. A terminology discussion and examples of, microphones, mixers, signal processors, speakers, cables, wireless connections, 70V and 4-8 ohm systems, balanced and unbalanced inputs, phantom power, wattage, and methods of transmission will give attendees an increased ability to discuss with other personnel and A/V designers how to achieve the desired goals of your center.

A demonstration and discussion of microphone types, pickup patterns and sensitivities will be shown. An overview and discussion of DSP (Digital signal processors) and mixers will be shown.

Multiple cable types, connectors and methods to transmit audio will be demonstrated hands-on. In addition, a goal of this workshop will be to provide a hands-on experience to help learners identify common audio issues, suggest methods for fixing those issues, and discuss strategies on how to improve the realism of live and recorded simulation audio using the best hardware and software.

Common issues to be discussed include, but aren't limited to: background noise; the entire video, or a single participant, is too loud or too quiet; the video and audio are out of sync, equalization, choosing the best microphone, pre- and post-processing.

Learning how audio is transmitted, stored and projected will improve your ability to share information with learners. Learner communication is a key aspect to healthcare simulation objectives. Capturing, reviewing and improving this communication will decrease errors and improve patient outcomes. Demonstrating how learners are performing and interacting is of vital importance to outcomes in a simulation session and of equal or greater importance than video observation in many encounters.



About The Courses at SimGHOSTS 2015: MEA

SimGHOSTS is primarily designed to provide hands-on training to simulation technology specialists, or those who operate the technology of a healthcare simulation lab. The training course structures are topic and level specific. The event will feature the following six tracks, delineated by color:

A/V Courses	BLUE	Medical Training Courses	RED
Simulation Technology Courses	PURPLE	Management Courses	GREY
General Educational Courses	GREEN	IT Courses	BLACK
Moulage Courses	ORANGE		

While a session may touch on different areas, the event team feels it has successfully placed all courses in their primary track. Within these tracks, courses will also be delineated by levels which include beginner, intermediate and advanced (stylized to help recognition). The following considerations were posted to those submitting courses as a way of self-selecting the appropriate audiences:

Beginner: Little to no previous experience (Less than a year of experience):

- Medical:** I know that the body has a variety of tubes and glands
- Video:** I can press record on a video camera
- Sim Tech:** There are robots that can do stuff. Like, medical stuff.
- IT:** Computers do lots of amazing things. I don't know how.
- Education:** Teaching is hard and involves lots of tests
- Management:** I don't know how to keep my office organized.
- Moulage:** I think ketchup is great for fake blood.

Intermediate: Knowledge & experience with (Suggested around 2-3 years of experience):

- Medical:** I have a general understanding of physiology, pharmacology and healthcare.
- Video:** I can download video onto a computer and make a simple, edited movie
- Sim Tech:** I can run a basic scenario on a simulator, which I programmed myself.
- IT:** My family and friends rely on me to fix their computers. I can, most of the time.
- Education:** I have taught a basic course or two (at a conference or school).
- Management:** I run team meetings and assign tasks to members (and tasks get done.)
- Moulage:** I can make simple wounds and moulage as long as I have instructions.

Advanced: Educated and now could train others with my Experience (4+ years of experience):

- Medical:** I am a practicing healthcare professional (or I was at one time).
- Video:** I make professional quality video regularly.
- Sim Tech:** I can program, run and troubleshoot complicated, branching scenarios.
- IT:** I install OS's, hardware and reconfigure networks easily.
- Education:** I have taught semester-long courses or intense training (ACLS, A+, etc).
- Management:** I am (have been) responsible for an entire institutional team or office
- Moulage:** Moulage is lots of fun and I am always developing new ways to make effects.

As Sim Techs come with such a wide range of skillsets in different categories, we hope that this structure helps you to select the right courses. Attendees will need to select their desired courses DURING online registration. This will help event staff better manage the overall event. Please note that since the SimGHOSTS event continues to expand in attendance and previous audiences have requested more content we have duplicated some courses to provide for more opportunity to be trained in your specific needs.

SimGHOSTS 2015 Main Conference Courses (Organized by Scheduled Time)

During the main event Sim Techs will have to decide which courses are their priority. Some courses are repeated in the afternoon to provide attendees with the most opportunity to attend their 'must have' courses. This section highlights those blocks that will require Sim Techs to make a choice by listing out course descriptions to help make the selection choice easier.

Tuesday November 24th

0830 - 0900 Registration & Exhibit Hall Open



0900 - 0930 Opening Remarks from SimGHOSTS Board



0930 - 1030 Keynote address
Scott Crawford, SimGHOSTS President



1030 - 1100 Morning Tea & Exhibit Hall open
Enjoy tea, snacks and take a moment to meet with our vendor sponsors in our exhibition space.



0930 - 1030

SimGHOSTS 2015: MEA Keynote Address, Sponsored by Simulead



SIMULEAD
Healthcare Education Simulation Solutions

Keynote Speaker:

Scott B. Crawford, M.D.
Assistant Professor
Associate Program Director
Texas Tech University Health Science Center El Paso
Department of Emergency Medicine
Emergency Medicine Physician - University Medical Center El Paso, TX

Dr. Scott Crawford is an Assistant Professor at Texas Tech University Health Sciences Center El Paso and an emergency medicine physician at University Medical Center in El Paso. He completed his emergency medicine residency at Texas Tech in 2012. Dr. Crawford earned his M.D. from Rush University in Chicago in 2009 and a bachelor's degree in physics from The Colorado College in 2004. He has designed/installed computer enhanced classroom and teaching tools since 1999. Scott Crawford has experienced simulation as a learner for three years before being asked to assist with scenario and simulation design. Since that time he has worked to expand his center's networking and audio/video debriefing system utilizing the information gathered from both the SimGHOSTS and the International Meeting on Simulation in Healthcare (IMSH) conferences.



Dr. Crawford plans to maintain an active membership with both the SimGHOSTS and the Society for Simulation in Healthcare. He is currently working as a simulation technician and instructor at the Regional Training and Simulation Center at Texas Tech University in El Paso, where he works to provide immersive inter-professional simulation experiences for nursing students, medical students and residents of all specialties at the rapidly growing Texas Tech El Paso medical campus.

He is also an instructor for the Advanced Cardiac Life Support (ACLS), Trauma Combat Casualty Care (TCCC) and Team STEPPS courses. Dr. Crawford would like to use his knowledge and experience to help further the status and advancement opportunities for the technicians of the healthcare simulation world. The designers and operators of healthcare simulation provide an enriching and invaluable teaching tool to allow healthcare workers on all levels to gain knowledge, gain confidence, and improve communication to create better patient outcomes. Simulation technicians are the backbone of healthcare simulation, whether they work as solo educators or are part of an interdisciplinary team at a large multicenter university. Simulation technicians need a united voice to make sure they get the credit and advancement opportunities they deserve to continue learning, building and growing within their field..

Tuesday MORNING Selection Block A (1100 - 1150)

How to Increase Sim Tech Support Staff - Intermediate

50 Minutes

Lance Baily

Founder & Development Director of SimGHOSTS

Are you continually being asked to do more work with less support? Wish you could grow an extra pair of hands? Find out how Lance Baily doubled the staff of the Clinical Simulation Center of Las Vegas in just three years. Learn how his team at this Sim Center convinced higher administration to bring on so many more permanent staff!

Lance explains how to slowly increase support staff without increasing permanent budgets. Topics include volunteers, student workers, letter of appointments, parttime hires and key statistical data points necessary to secure higher administrative support. Gain new perspective on achieving your support goals and return to your program with proven tactics.

Here, Lance will also briefly discuss how increased staff support provides for personal career advancement. In early 2008 Lance was an unpaid volunteer Simulation Technician working for a small community college. By July of 2009, Lance was hired as the Director of one of the largest Healthcare Simulation Centers in the World. Key strategies Lance utilized to advance his career in the medical simulation industry will be highlighted.

Finally covered are the winning arguments to help get a dedicated technically experienced Sim Tech into your lab with lead administrators who "just don't get it". Attendees will have the opportunity to participate in a simulated director vs. simtech meeting to practice the strategies and techniques described in this session. We will roleplay several scenarios to demonstrate some key negotiating practices to help you show admins "the light!".

Creating Automated Online Booking System for the Simulation Center - Advanced

50 Minutes

Mohammed Alamar & Maher Alobaysi

Simulation center reservation was done by Email or verbal booking with the schedule coordinator who record those bookings on Microsoft word file, which leads to shortage in data needed to conduct the activity and documentation. Clinical skills center team created a booking system that enable the end-users to access a web based form to make their reservation.

High feedback simulation: Increased Immersion with Decreased Fidelity - Intermediate

50 Minutes

Scott Crawford

SimGHOSTS President

High-fidelity simulation offers an amazing learning environment for healthcare personnel at all levels. This technology currently has and will continue to have limitations. This course will identify the limitations of current technology and discuss a novel method for enhancing learner immersion, not through increased physical fidelity but enhanced role-play.

We will examine the limitations from a provider perspective of current technology and how to appropriately integrate all aspects of the simulation toolkit into a scenario to effectively engage care provider expectations.

Examples from real simulation will be used to identify when learners begin to question their environment and how to keep them focused on the “patient”.

The importance of real-time audio feedback will be discussed and how to use this technique with limited resources.

Learn when moulage accuracy can be replaced with role-play and imagination.

SimGHOSTS Professional Development & Training - Basic

James Cypert

SimGHOSTS Executive Director

Join James as he explains our organization’s plans for a comprehensive, online simulation technology training program. Learn about how you and your colleagues will be able to get the knowledge and experience to expand your career.



Tuesday MORNING Selection Block B (1200 - 1250)

A Go-Pro Patient Journey: A Child's Perspective - Basic

50 Minutes

Boyd Brooks & Valen Anderson

Sidra Medical & Research Center

We will be presenting a project that used Go-Pro cameras to capture a child's perspective and experience throughout their patient journey. This project was used by our Child Life Specialist team as part of their presentation at ISQUA 2015; integrating simulation into yet another facet of our hospital system. Our presentation will include discussions on using Go-Pros (and cheaper alternatives) to produce good quality educational resources as well as producing creative marketing or promotional materials.

Consolidating Control: Ways to Make Your Workspace More Efficient - Intermediate

50 Minutes

Ryan Eling

SimGHOSTS Event Director

Using the University of New England Clinical Simulation Program's multiple control rooms as examples, this presentation explores several tools for consolidating the multitude of tablets, laptops and other computers simulation technicians use. Network-based mouse and keyboard sharing utilities are demonstrated, with an eye towards creating a "Master Computer" for simulation control. Other topics will include standing workstations and vital sign monitor signal routing. Discussion will include advantages and disadvantages of the variety of possible setups.

Fundamentals of Instructional Design - Basic

Chad Jackson

American College of Chest Physicians

Come get an overview of how to write informative learning objectives and create thoughtful educational programs. Chad's experience running CHEST's worldwide conference and training programs at their simulation center will give participants the opportunity to learn how to contextualize simulation within modern academic pedagogy. Get your faculty excited about simulation by using their language and common practices.

Building an Ultra High Fidelity PICU Simulation for Orienting Nurses - Intermediate

50 Minutes

Todd Dadaleares, Maine Medical Center

This presentation will detail the process for building a two stage simulation event that was created to enhance learners orientation to pediatric post open heart patients.

Because these simulations are for new nurses to go through the process of admitting a post open heart pediatric patient to the unit, the details infused into the cases are extremely important and the reality factor is very high. Some of the realistic factors include:

- using three different types of smart pumps that are all programmed and running simulated drugs with appropriate dosings
- bloodwork that is labeled exactly as it is at Maine Medical Center
- presentation of the child and how much equipment is present on bed when they present at MMC PICU

Presenter will also cover the creative workarounds and enhancements used to make the baby: -bleed on cue from his mediastinal chest tubes:

- divert infusions to appear that they are going into different access sites
- appear as if baby is being paced by real pacemaker
- appear as if baby is presenting a dynamic Central Venous Pressure number and more!

1300 - 1400 Lunch & Exhibit Hall open

Enjoy lunch and take a moment to meet with our vendor sponsors in our exhibition space.



Tuesday AFTERNOON Selection Block C (1400 - 1800)

Laerdal SimMan 3G Programming: Tips and Tricks - Intermediate

4 hours

Ryan Eling & Ferooz Sekandarpoor

The workshop will start with a review of the Laerdal SimMan 3G software platform. The session progresses to an interactive session using the SimMan 3G application to learn several advanced programming techniques utilizing trends, handlers, timers and learner input. The session will provide the attendees with three ways to program more efficiently and effectively: Handler Method, HUB method and Scenario Method. There will also be a review of the new LLEAP platform and the SimDesigner software. Question & Answer will drive this workshop - ask this experienced team what you need to know!

Introduction to 3D Printing for the Simulation Specialist - Intermediate

4 hours

Chad Jackson

American College of Chest Physicians

Materials fee: \$25

Learners will be exposed to a variety of software platforms that are available to the simulation community on generating 3D models that can be used to make things. Emphasis will be placed on free and readily available software that can be obtained and used by a large audience of simulation technicians. This will include PC and Mac platforms, as well as Linux versions if available.

Next the learners will learn how to use an actual software program to create and model a simulation part. The learners will be encouraged to participate in small groups to create an actual part that they can use in their simulation program. Their group will export their created model to a slicer software program that generates a Standard Tessellation Language (.stl) file used by the majority of printers to create 3D models. They will then clean up the file and render it for tool cutting pathways.

Finally, learners will export their model .stl files to a 3D printer and print out their object. While the objects print, practical printing and troubleshooting advice will be presented to the learners. Samples used by the presenter for actual simulation applications on a variety of uses and ideas will be presented to engage the learners on their own ideas for printable items to be used in their simulation programs when they return home.

The printed items from each class session will be judged by the SimGHOSTS board based on their creativity, usefulness and their workmanship for crowd appreciation during the final day of SG15 festivities.

The Essential Audio Bootcamp - An introduction to audio tools: Microphone to mixer to amplifier - Basic

Scott Crawford & Todd Dadaleares

30 Participants

Audio systems are integral to the delivery of healthcare simulation. This course will discuss the components that are required for their use and give a hands on demonstration of multiple components. A terminology discussion and examples of, microphones, mixers, signal processors, speakers, cables, wireless connections, 70V and 4-8 ohm systems, balanced and unbalanced inputs, phantom power, wattage, and methods of transmission will give attendees an increased ability to discuss with other personnel and A/V designers how to achieve the desired goals of your center.

A demonstration and discussion of microphone types, pickup patterns and sensitivities will be shown. An overview and discussion of DSP (Digital signal processors) and mixers will be shown.

Multiple cable types, connectors and methods to transmit audio will be demonstrated and then used for hands on learning.

In addition, a goal of this workshop will be to provide a hands-on experience to help learners identify common audio issues, suggest methods for fixing those issues, and discuss strategies on how to improve the realism of live and recorded simulation audio using the best hardware and software.

Common issues to be discussed include, but aren't limited to: background noise; the entire video, or a single participant, is too loud or too quiet; the video and audio are out of sync, equalization, choosing the best microphone, pre- and post-processing.

Learning how audio is transmitted, stored and projected will improve your ability to share information with learners. Learner communication is a key aspect to healthcare simulation objectives. Capturing, reviewing and improving this communication will decrease errors and improve patient outcomes. Demonstrating how learners are performing and interacting is of vital importance to outcomes in a simulation session and of equal or greater importance than video observation in many encounters.

Advanced Moulage Workshop - Advanced

4 hours

TraumaSim staff

Registration fee: \$75

TraumaSim are offering a half day workshop at the SimGHOSTS 2015: MEA Training Conference. Moulage improves the outcome of training by adding realism to emergency 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 you 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 and skin flaps.

1800 - 1830 Closing Remarks & Group Photo

1930 SimGHOSTS 2015 Opening Reception

Join us Tuesday evening to meet and connect with your fellow Sim Techs! Specific venue to be announced. Dinner and 1st drink included with price of registration.

Wednesday November 25th

0900 - 0930 Welcome & Opening Remarks

0930 - 1030

Plenary Address

James Cypert, SimGHOSTS Executive Director

An odd assortment of skills, education and experience provide James D. Cypert the unique talent of connecting both with advanced technologies and people. 25 years' experience in the information technology field, certifications from Microsoft and CompTIA, a Bachelor of Science in Information Technology from University of Phoenix, 15 years combined experience in manufacturing, construction, and electronic installation and repair give James the necessary skills to confront nearly any technological challenge.

A Bachelor of Arts in Psychology and a Master of Science in Counseling Psychology from California Baptist University, combined with 25 years' experience in technical training, curriculum development, adult education, counseling youth, couples, and troubled adults give James the necessary skills to address the end user issues that make technology so difficult to adopt. In August 2010, James was introduced to healthcare simulation for the first time when he accepted the position as Technical Director for the School of Nursing at California Baptist University (CBU). Upon arriving the simulation center was only consistently utilizing simulation in two programs (OB and Pediatrics), but most of the technology sat idle.

Working closely with faculty and administration the simulation center began utilizing the technologies that had purchased, and within a year of his arrival 12 undergrad courses had some type of simulation, and classroom technology use had significantly increased among full time and adjunct faculty. By the end of his tenure at CBU, James saw the completion of a new nursing annex that highlight state of the art 360 learning classrooms, a 2000 sq. ft. sim studio, and a fully equipped advanced practice area. In addition he had assisted in implementing simulation into over 20 undergrad and graduate courses, as well as inter-professional simulation experiences between a variety of departments. As an accomplished, resourceful, and dedicated technical director James utilized his understanding of technology and his capable interpersonal skills to bridge the gap between people and the technology that often presents a significant barrier. James loves to guide people towards technological self-efficacy and enjoys walking with people as they overcome their fear and anxiety over new innovations. A technological expert with a heart for people, James is an excellent choice to lead SimGHOSTS into the future of healthcare simulation.



1030 - 1100 Morning Tea & Exhibit Hall open

Enjoy tea, snacks and take a moment to meet with our vendor sponsors in our exhibition space.

Wednesday MORNING Selection Block D (1100 - 1250)#

Cinematography 101 - Basic

110 Minutes

Lance Baily

SimGHOSTS Founder & Development Director

Lights. Camera. Action! SimGHOSTS Founder and film-maker Lance Baily is excited to provide a hands on workshop to get you “behind the camera” and directing your first “big picture”! This course will introduce the basic fundamentals of storyboarding, digital cinematography, lighting, and basic audio recording. Use these basic video production techniques to create Sim Lab orientations, promotional material or training tutorials. Lance brings seventeen years of video production experience to your day, ranging from small wedding videography to editing television pilots with Tom Hanks. Learn Lance’s hard-earned production secrets through hands-on exercises accomplished by small groups.

Networking 101 - Basic

110 Minutes

James Cypert

SimGHOSTS

This course will discuss the basic building blocks of networks. Built on networking portion of the A+ Certification this course explores concepts that will move the participants to a deeper understanding of networking concepts. Participants will learn networking fundamentals including; IP addressing, TCP/IP protocols, network cabling and connectors, troubleshooting network connectivity, installing and configuring a small office home office network. This is a basic level course meant for those new to networking or having only a rudimentary knowledge of networking concepts.

Learning Objectives

- Upon completing the course participants will be able to describe basic networking connectivity troubleshooting.
- Upon completing the course participants will be able to identify key networking components and their function in simulated environments.
- Upon completing the course participants will be to demonstrate basic network components and their impact in simulated environments.

Hybrid Simulation Lab Design - Intermediate

110 Minutes

Ferooz Sekandarpour

SimGHOSTS Vice President

If you are planning to design a new simulation centre, plan to renovate your existing Sim Centre or want to extend your centre’s IT/AV/layout infrastructure to support almost any type of simulators then this session is for you. This session will discuss the types of simulation labs (OR Type, ICU type and Ward type, Skills lab), proper layout/standard layout, Audio Video infrastructure, IT requirements and incorporating telemedicine.

The audience will learn the tips and techniques that are required to design or retrofit their simulation spaces. Ferooz Sekandarpour, SimGHOSTS Vice President, brings over 10 years of experience in IT, Simulation and AV design to this session. He currently works as a Simulation Technology Specialist for the Faculty of Medicine at University of British Columbia in Vancouver Canada and will take you on the journey of planning the proper layout and IT-AV infrastructure of a modern simulation centre.

Introduction to Moulage - Basic

110 Minutes

TraumaSim team

TraumaSim are offering a mini introductory workshop of 2hrs duration at the SimGHOSTS 2015: MEA Training Conference. Moulage improves the outcome of training by adding realism to emergency 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 teach you techniques suitable for live role players or manikins. This workshop will cover simple techniques used to create injuries and the application and presentation of pre-made wounds.



1300 - 1400 Lunch & Exhibit Hall open

Enjoy lunch and take a moment to meet with our vendor sponsors in our exhibition space.



Wednesday AFTERNOON Selection Block E (1400 - 1550)

Advanced Video Editing Techniques - Intermediate

110 Minutes

Lance Baily

SimGHOSTS

In the pacing of video editing, 7 seconds is an average shot length. At 30 Frames Per Second, that means 210 frames pass in front of the viewer's eyes during during just one shot. If even one of those frames is off, there can be massive unintended consequences for the message to your audience. With this course you will see how small, almost invisible changes, can lead to big impacts for the quality and message of your video pieces.

For almost twenty years Lance has spent countless hours with linear tape decks and non-linear editing computers piecing together thousands of videos ranging from 11-second lightsaber duels to 90-minute drag racing dvds. Specializing in documentary production since university, Lance has powerfully connected his film-making background to medical simulation through lab orientations, promotional materials, interviews, product/service demonstrations, tutorials and more.

During this lesson, Lance will showcase Apple's Final Cut Express to:

- Explicate the continuity of editing theory and how to skillfully break it
- Highlight time-saving shortcuts for reviewing, selecting and editing.
- Point out key audio issues and last-minute fixes
- Demonstrate his editing process for a HealthySimulation.com video segment and show complicated sequence manipulation.
- Cover timing, flow, storyboarding, graphics, sounds, fades, cuts, transitions, brightness hacks, mattes, intros, outros, publishing, titling, and more.

Integration of large and small center AV systems: The personal touch - Intermediate

110 Minutes

Scott Crawford

SimGHOSTS President

After deciding to use a large corporation or design solution for A/V integration at a simulation Center, how can I add specific functionality, or improve upon the system to meet our center's needs?

This course will discuss the lessons learned from the transition from home grown system with specific functionality to a large scale corporate solution and how to enhance the functionality to suit your needs. Learn to ask important questions about your center's needs for this type of transition and identify the key components of a large center build. Learn what infrastructure is universal and understand how everything is connected.

No center, just as no technology, ever stays stagnant. How can you plan for the future and plan for expansion. What technology is coming ahead and how do I prepare for the future? What are some recommendations for cataloging and storing cases and scenarios?

What do I need to know to plan for an installation?

This session will help you learn from those that have survived this transition before you and help make your integration and exploration of the possibilities in AV a reality.

Leveraging a Learning Management System to Get Useful and Meaningful Data - Basic

110 Minutes

Chad Jackson

American College of Chest Physicians

This workshop will focus on the integration of data and its use in simulation programs. Using the CHEST as an example, we'll explore how data can move easily between iPads, smartphones, Audience Response System (ARS) and more. Come learn how to manage the data so you can efficiently what your learners are seeing, doing and thinking!

Introduction to Moulage - Basic

110 Minutes

TraumaSim team

TraumaSim are offering a mini introductory workshop of 2hrs duration at the SimGHOSTS 2015: MEA Training Conference. Moulage improves the outcome of training by adding realism to emergency 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 teach you techniques suitable for live role players or manikins. This workshop will cover simple techniques used to create injuries and the application and presentation of pre-made wounds.

Wednesday AFTERNOON Selection Block F (1600 - 1650)

How to Increase Sim Tech Support Staff Intermediate Rules for Simulation Radicals

50 Minutes

Lance Baily

Founder & Development Director of SimGHOSTS

Are you continually being asked to do more work with less support? Wish you could grow an extra pair of hands? Find out how Lance Baily doubled the staff of the Clinical Simulation Center of Las Vegas in just three years. Learn how his team at this Sim Center convinced higher administration to bring on so many more permanent staff!

Lance explains how to slowly increase support staff without increasing permanent budgets. Topics include volunteers, student workers, letter of appointments, parttime hires and key statistical data points necessary to secure higher administrative support. Gain new perspective on achieving your support goals and return to your program with proven tactics.

Here, Lance will also briefly discuss how increased staff support provides for personal career advancement. In early 2008 Lance was an unpaid volunteer Simulation Technician working for a small community college. By July of 2009, Lance was hired as the Director of one of the largest Healthcare Simulation Centers in the World. Key strategies Lance utilized to advance his career in the medical simulation industry will be highlighted.

Finally covered are the winning arguments to help get a dedicated technically experienced Sim Tech into your lab with lead administrators who "just don't get it". Attendees will have the opportunity to participate in a simulated director vs. simtech meeting to practice the strategies and techniques described in this session. We will roleplay several scenarios to demonstrate some key negotiating practices to help you show admins "the light!".

Creating Automated Online Booking System for the Simulation Center - Advanced

50 Minutes

Mohammed Alamar & Maher Alobaysi

Simulation center reservation was done by Email or verbal booking with the schedule coordinator who record those bookings on Microsoft word file, which leads to shortage in data needed to conduct the activity and documentation. Clinical skills center team created a booking system that enable the end-users to access a web based form to make their reservation.

SimGHOSTS Professional Development & Training - Basic

50 Minutes

Lance Baily

Join James as he explains our organization's plans for a comprehensive, online simulation technology training program. Learn about how you and your colleagues will be able to get the knowledge and experience to expand your career.

High feedback simulation: Increased Immersion with Decreased Fidelity - Intermediate

50 Minutes

Scott Crawford

SimGHOSTS President

High-fidelity simulation offers an amazing learning environment for healthcare personnel at all levels. This technology currently has and will continue to have limitations. This course will identify the limitations of current technology and discuss a novel method for enhancing learner immersion, not through increased physical fidelity but enhanced role-play.

We will examine the limitations from a provider perspective of current technology and how to appropriately integrate all aspects of the simulation toolkit into a scenario to effectively engage care provider expectations.

Examples from real simulation will be used to identify when learners begin to question their environment and how to keep them focused on the "patient".

The importance of real-time audio feedback will be discussed and how to use this technique with limited resources.

Learn when moulage accuracy can be replaced with role-play and imagination.

Wednesday AFTERNOON Selection Block G (1700 - 1750)

A Go-Pro Patient Journey: A Child's Perspective - Basic

50 Minutes

Boyd Brooks & Valen Anderson

Sidra Medical & Research Center

We will be presenting a project that used Go-Pro cameras to capture a child's perspective and experience throughout their patient journey. This project was used by our Child Life Specialist team as part of their presentation at ISQUA 2015; integrating simulation into yet another facet of our hospital system. Our presentation will include discussions on using Go-Pros (and cheaper alternatives) to produce good quality educational resources as well as producing creative marketing or promotional materials.

SimGHOSTS Open Forum

Lance Baily, Ryan Eling, Ferooz Sekandarpour and James Cypert

SimGHOSTS

SimGHOSTS was founded and is supported by forward-thinking individuals filled with passion for the simulation technology specialist community. We dream big and we are excited to be connecting powerfully with the professionals working in healthcare simulation in the UK and Europe. This session will be an opportunity to connect with SimGHOSTS board members and discuss how you can get involved with the organization and its international endeavours.

Topics will include:

- Future events in the UK and beyond
- Standardized training for simulation technical staff
- Web content and community building
- Vendor partnerships
- And More!

Fundamentals of Instructional Design - Basic

Chad Jackson

American College of Chest Physicians

Come get an overview of how to write informative learning objectives and create thoughtful educational programs. Chad's experience running CHEST's worldwide conference and training programs at their simulation center will give participants the opportunity to learn how to contextualize simulation within modern academic pedagogy. Get your faculty excited about simulation by using their language and common practices.

Building an Ultra High Fidelity PICU Simulation for Orienting Nurses - Intermediate

50 Minutes

Todd Dadaleares, Maine Medical Center

This presentation will detail the process for building a two stage simulation event that was created to enhance learners orientation to pediatric post open heart patients.

Because these simulations are for new nurses to go through the process of admitting a post open heart pediatric patient to the unit, the details infused into the cases are extremely important and the reality factor is very high. Some of the realistic factors include:

- using three different types of smart pumps that are all programmed and running simulated drugs with appropriate dosings
- bloodwork that is labeled exactly as it is at Maine Medical Center
- presentation of the child and how much equipment is present on bed when they present at MMC PICU

Presenter will also cover the creative workarounds and enhancements used to make the baby: -bleed on cue from his mediastinal chest tubes:

- divert infusions to appear that they are going into different access sites
- appear as if baby is being paced by real pacemaker
- appear as if baby is presenting a dynamic Central Venous Pressure number and more!

1800 - 1830 Closing remarks and Exit Surveys