SimGHOSTS has partnered with Cedars-Sinai to bring their world famous simulation technology training events to the United States of America this August!
The Gathering Of Healthcare Simulation Technology Specialists

Pre-Symposium: Tuesday August 4th, 2015
Located at the: Doubletree Hotel Culver City

Main Symposium: Wednesday August 5th and Thursday August 6th, 2015
Located at the: Cedars-Sinai Medical Center Guild Simulation Center for Advanced Clinical Skills

Final Symposium: Half-Day, Friday August 7th, 2015
Located at the: Doubletree Hotel Culver City

Join an estimated attendance of 250 Simulation Technicians from around the world at the Cedars-Sinai Medical Center Guild Simulation Center for Advanced Clinical Skills this August 4th - 7th for the global healthcare simulation industry’s “Gathering of Healthcare Simulation Technology Specialists” hands-on training event. With this fifth annual US event, the SimGHOSTS non-profit 501(c)3 organization is thrilled to invite Simulation Technicians, or those operating medical simulation technology from around the world to join one another in Los Angeles, California.

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

Who Should Attend SimGHOSTS 2015 USA?
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: Level 3 Healthcare

Level 3 Healthcare is a customer focused group of healthcare engineers trained in the process of integrating current audio visual technology to existing healthcare work spaces, clinical training centers and simulation labs.

Level 3 Healthcare provides advanced multimedia solutions in surgical environments, OR’s, ER’s, ED’s and simulation centers. This healthcare engineering group has pioneered designs in large simulation centers, digital operating rooms, telehealth, live HD video distribution, 3-D surgical theaters, recording, archiving, content management and video media retrieval systems. Level 3 Healthcare’s core competency is integrating the myriad of healthcare, simulation, broadcast and professional technology into a seamless, easy to use system, curriculum or application. Our approach is to work directly with our clients to understand their use and curriculum and then apply technology to improve efficiency, work flow and learning. Examples of our applications include; intraoperative surgical suites, digital O.R.’s, nursing simulation centers, procedure rooms, 3-D visualization facilities, clinical AV networks, campus-wide central recording systems and video conferencing initiatives for collaboration and critical decision making.

About Level 3 Healthcare

Level 3 Healthcare was founded as a division of Level 3 Audio Visual who has been well established in the commercial industry since 1996. Level 3 AV had been working with a major medical university on their classroom presentation technology when they were presented with a challenge from the Dean of Anatomy. Level 3 was asked to design and build a cordless, wireless, mobile HD video cart for their anatomy lab. The Dean and his faculty had several uses in mind for this cart but its main purpose was to capture high definition, live video from a cadaver. It would than transmit that video to an AV head that would store, record and meta tag the captured video. It also had the capability to simultaneously transmit the video out to twenty, high definition LCD monitors dispersed around the lab as well as to a secondary lab across campus. Another purpose of this cart was for the creation of video text books that could be produced and stored online as an additional reference for the medical staff and students.

The creation and use of this cart was a major success for both Level 3 Healthcare as well as the Medical University and it quickly proved to improve test scores as well as enrollment.

To learn more, visit the Level 3 Healthcare website today!
Gold Sponsor: Session A/V Recording Gold Sponsor: CAE Healthcare

CAE Healthcare partners with organizations worldwide to offer realistic and relevant healthcare simulation training solutions. With a bold mission to improve patient safety and outcomes, we continuously strive to develop breakthrough products that advance learning and competency within risk-free settings. Our end-to-end spectrum of simulation solutions includes patient, interventional and imaging simulation, audiovisual solutions and learning modules.

With a broad array of products, we are able to offer targeted training solutions to hospitals, medical schools, emergency response teams, military branches and nursing, respiratory and allied health programs.

Each CAE Healthcare product is developed in partnership with clinicians and clinical educators whose aim is to ensure physiological accuracy and educational relevance. The CAE Healthcare family of learners is highly interactive, innovative and eager to share ideas and experiences. Join us at HPSN World, where people from every level of healthcare gather to push the envelope of healthcare simulation to improve learning and ultimately, to save lives.

Today, approximately 9,000 CAE Healthcare simulators and audiovisual solutions are in use worldwide by medical schools, nursing schools, hospitals, defense forces and other entities. Visit caehealthcare.com to learn more about our newest products, including the Fidelis™ Lucina childbirth simulator and CAE Replay, the streamlined audiovisual solution for debrief.
Gold Sponsor: International Plenary Session Gold Sponsor: Laerdal Medical

The Laerdal Company was established in 1940. During our first two decades, we created innovative toys and books for children.

In 1958, the company started to dedicate itself to advancing the cause of resuscitation and emergency care. In 1960, the first patient simulator Resusci Anne manikin was introduced to the market. A new logo was needed to reflect our mission. Our founder, Åsmund S. Laerdal, chose the image of the Good Samaritan. It depicts the ancient tale of the traveller whose selfless compassion and care saved the life of a total stranger. This became our emblem and our inspiration.

Today, Laerdal Medical is dedicated to helping save lives with product solutions, services, and system solutions that support the Chain of Survival. The Good Samaritan logo symbolizes our commitment to every health professional and volunteer who has learned how to save the life of a family member, friend, or stranger in need.

The vision of Laerdal is that no-one should die or be disabled unnecessarily during birth or from sudden illness or trauma. Since its creation of the pioneering, and now world famous CPR practise manikin in 1960, the Resusci Anne; many more innovative products have followed to improve and support education for Healthcare Professionals around the world, as well as facilitate the spread of CPR knowledge and skills to the would-be Samaritan in the wider lay community. Laerdal has developed break-through technologies that have helped to define its portfolio of simulation, micro-simulation, virtual reality, automated external defibrillators and emergency therapeutic products as reputable market leaders. Other well known brands include SimMan, SimBaby, SimNewB, HeartStart, Q-CPR, Stifneck, the Pocket Mask and BaXstrap.

About Laerdal Medical

The Laerdal Corporation employs 1,400 people in more than 20 countries and has further international representation through a network of over 50 distributors. All employees are committed to the company ethos of ‘helping save lives’ through the ongoing research, development and supply of innovative products to improve patient outcomes. The Laerdal Foundation based at Stavanger, Norway was established in 1980 to provide financial support to practically orientated research and development in acute medicine. Together with a sister foundation in the US, since 2004, the Laerdal Foundation has supported about 1,500 heart function, brain function, circulation/shock, breathing function, CPR and pre-hospital treatment in Europe and the US with funding in excess of $13m.

To learn more, visit the Laerdal Medical website today!
Gold Sponsor: Bug Busters Competition Gold Sponsor: Gaumard Scientific

Gaumard is committed to providing innovative simulation solutions for health care education. Our products today are built on a foundation of knowledge and experience in maternal, neonatal, emergency, nursing, respiratory, life support, trauma and surgical simulation that spans over 65 years.

We offer unrivaled Tetherless “Care in Motion” simulation technology that allows care givers the opportunity to treat simulators like real people in any teaching environment. We are the pioneers and the industry leaders. Educators worldwide rely on Gaumard and our diverse line of simulators to train today’s medical students and health care professionals. Our philosophy remains “Leadership through Innovation.”

Visit the Gaumard website today.
Silver Sponsor: B-Line Medical

B-Line Medical was the first to bring web-based video capture and debriefing to the healthcare simulation industry and has provided innovative solutions for over 10 years. Our mission is to enhance medical simulation training and improve patient safety by providing the best tools for data capture, visualization, and analysis. B-Line Medical’s products are in use at over 350 top institutions such as Mayo Clinic, Stanford University, and Children’s Hospital of Philadelphia.

Our SimCapture platform has the greatest range of recording options available and is the most scalable and intuitive simulation management solution. B-Line Medical is proud to be a sponsor of SimGhosts which offers the best hands-on healthcare simulation technology specialist learning experiences.

www.blinemedical.com

Silver Sponsor: Pocket Nurse

Pocket Nurse® is a nurse owned and operated company that has been selling medical supplies and equipment to Healthcare Educators and Simulation Labs nationwide since 1992. Pocket Nurse® has over 8,500 products to assist Educators to teach all aspects of a healthcare curriculum or to fully equip a Clinical Simulation Lab. Pocket Nurse® is the exclusive distributor of Demo Dose® simulated medication for education. Pocket Nurse® also carries Custom Student Health Totes. Each Tote can be customized to meet the needs of individual programs. Customers can order from the catalog or from our customer-friendly website: www.pocketnurse.com.

At Pocket Nurse®, exceeding the expectations of our customers is our primary goal! Please stop by the Pocket Nurse® booth and register for our drawing.
Silver Sponsor: Education Management Systems

EMS is an industry pioneer in clinical skills and simulation-based solutions for healthcare training environments. Our SIMULATIONiQ™ provides a single integrated platform with a full spectrum of options for mid- to large-size simulation centers, one room set-ups, and portable and mobile solutions.

From audio-visual hardware and software to management, evaluation, and mobile device access, SIMULATIONiQ enables institutions to leverage their full simulation efforts to drive tangible results.

As the leader in simulation management technology since its founding in 1994, EMS offers complete turnkey solutions that include integrated software and hardware, design and planning, engineering, configuration, installation, training, and support. www.simulationiq.com

Bronze Sponsor: American 3B Scientific

3B Scientific is the world leader in manufacturing and marketing didactic, educational, and training material for science, medical and patient education. Within 3B Scientific’s range of products you will find anatomy models, workshop bones, CPR trainers, patient care mannequins, epidural and spinal injection trainers, birthing simulators, and other top of the line medical simulators, as well as teaching aids for diverse science fields.

3B Scientific® provides highest-quality products made of durable material at fair prices, excellent customer service & after sales support. Being represented in over 100 countries worldwide, 3B Scientific is the strongest partner in equipping complete departments, programs, labs, classrooms and doctors offices.

Bronze Sponsor: Cardionics

For over thirty years, Cardionics has been an innovator and leader in auscultation products and services which facilitate and support classroom education, clinical, and tele-health programs in medical institutions and universities throughout the world.

Cardionics was founded by the late Dr. Abe Ravin, M.D., FACC in 1969. Dr. Ravin was a cardiologist and professor of clinical medicine at the University of Colorado in Denver. Dr. Ravin developed the first heart and sound simulator to assist his students in learning to identify and differentiate normal and abnormal cardiac and pulmonary sounds. The American College of Cardiology acknowledged Dr. Ravin’s contribution with the distinguished Gifted Teacher Award.

Today and into the future, Cardionics approach continues to set the pace for auscultation products and services through the development of unique, interactive, and experiential systems that integrate seamlessly into classroom, clinical, and tele-health applications.
**Bronze Sponsor:** KB Port

KB Port, a Pittsburgh based technology company, specializes in providing a multitude of software development and multimedia solutions for clients in medical simulation. KB Port's product development team continues to design competitively priced and efficient system applications for industries including healthcare, defense, education, and research.

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.

**Bronze Sponsor:** Limbs and Things

Limbs & Things is a leading developer and manufacturer of medical simulation training products for Clinical Skills, Women’s Health and the Surgical specialties. Recognized globally for our superior and comprehensive product offering, our trainers provide a realistic hands-on learning experience for academic and clinical professionals.

This year we celebrate 24 years of bringing your training closer to life. Our range of products includes simulators for Physical Examination, General Procedural Skills and Specialist Skills.

Committed to the improvement of patient safety outcomes, Limbs & Things collaborates with leading clinicians to improve practitioner confidence and meet the curriculum needs of tomorrow’s doctors and nurses.

**Bronze Sponsor:** Simstation

SIMStation is a European manufacturer of Audio-Video debriefing systems, suitable both for fixed simulation centres and mobile in-situ trainings. Our mission is to provide innovative, simple-to-handle systems with highest quality standards; thus giving our clients the possibility to take their simulation programme to a new level of effectiveness.

SIMStation provides a very easy-to-use monitoring and recording software with highest video and audio quality and almost zero delay in live transmission, completed by innovative tablet-based apps for annotation and debriefing. Moreover, the integration of our hardware in simulation centers couldn’t be easier, as it only requires a single network cable connection between the training, control and debriefing rooms. We have been implementing our systems in major simulation centres throughout Europe since 2012, including London, Paris, Munich, Zurich, Luxembourg, Vienna and Bucharest.
Bronze Sponsor: Kyoto Kagaku

Kyoto Kagaku America Inc. is concerned, above all, with the fields of education, culture and welfare through the manufacturing of models and educational equipment.

Our philosophy is that these fields should be considered whole heartedly with every living being on earth in mind. Whether it is a small part or not, we are firmly determined to continue to seek the significance of our existence. We trust and enhance our relationships within our community, cultivating ourselves in the spirit of harmony and innovation. We hope that our products will offer an impetus for growth in the quality of education and culture.

Bronze Sponsor: Noldus Information Systems

For over 20 years, Noldus Information Technology has been the leading developer of innovative solutions for behavioral research. We are specialists in observational methods and techniques, image analysis, multimedia and signal analysis, and provide our customers with the tools they need to perform ground-breaking research in the fields of biology, neuroscience, psychology, medical research, and usability.

With our international headquarters based in Wageningen, The Netherlands, and our North American headquarters in Leesburg, Virginia, along with satellite offices all over Europe and China, we are able to serve customers in over 85 countries. Our company culture is based on enthusiasm, a proactive attitude, and customer satisfaction and we strongly believe that the success of our business is related to the dedication of our 100+ employees.

Bronze Sponsor: Otosim

OtoSim Inc. designs and delivers Otoscopy and Ophthalmoscopy training & simulation systems. Hands-on simulation devices, libraries of clinical scenarios, and enhanced interactivity between the instructor and student(s), enable trainees to quickly & effectively develop confidence in their Otoscopy and Ophthalmoscopy skills to excel in the clinical environment.

Clinical studies have shown a doubling in diagnostic accuracy with OtoSim™. OtoSim simulators offer unparalleled level of interactivity between an instructor and a student for both improved teaching and learning experience. Our platforms also allow one instructor to teach large groups of students at one time, maximizing productivity of limited teaching time and reducing variability in teaching in small groups.
Bronze Sponsor: Simulab

Since 1994, Simulab has been committed to providing medical simulators and task trainers to the medical education community. By collaborating with leading educators worldwide, leveraging its 20 years of experience, and bringing a specialized knowledge of materials and manufacturing processes to the medical industry, Simulab has become the market leader in the development of realistic and affordable solutions for a wide array of educational needs.

With research and development efforts focused on anatomical realism and product innovation, Simulab has contributed significant advances to the field of simulation. The TraumaMan System is the world's most widely used surgical simulator. The system was originally designed for use in the Advanced Trauma Life Support (ATLS) training program and is now used worldwide.

Bronze Sponsor: University of San Francisco School of Nursing and Health Professions

The University of San Francisco School of Nursing and Health Professions is pleased to offer an MS in Healthcare Simulation. For all applicants who hold a Baccalaureate degree, regardless of major, this two-year Master's degree in Healthcare Simulation offers educational theory, research methodology and financial management strategies to prepare students for future leadership in simulation-related careers.

The blended nature of the 30-credit program is modeled on executive leadership “intensives” that utilize online and on-site teaching strategies: students will be on campus two times per semester in San Francisco. Housing in a boutique hotel in San Francisco's Union Square, breakfast, lunch during intensives and all books are included in the tuition. Program Features Blended Model (online and in person) Tuition Includes Housing While in San Francisco Small Class Size Degree Completion in 18 months Dynamic Faculty and Student Interaction Learn from Internationally Known Faculty.

Entrepreneurial Sponsor: Curtis Life Research

Curtis Life Research (CLR), established in 2015 by Paul Curtis, is a medical device company that engages in the research and development of hi-fidelity medical simulators for life-saving treatments. We are a small business located in the Indianapolis area.

Our first product, EigenFlow an ECMO simulator, was released at the IMSH conference in January of 2015. Before forming CLR, Paul attended the 2012 SimGHOSTs conference in Las Vegas as a sim tech and presented his ideas during a breakout session that would eventually lead to the development of EigenFlow. We believe SimGHOSTS to be an extremely valuable experience to both the facilitator and clinician in the advancement of medicine through simulation.
Bronze Sponsor: Remedy Simulation Group

Remedy Simulation Group is the new identity of Pulse Anatomical Model Company, Inc. as of January 2015. Clinical simulation is a busy job and keeping products you need front and center is our goal.

All of our products are developed by combining industrial design with biomedical engineering to create winning solutions. Our models will always have a realistic physical component that can be touched, cut, poked, prodded, and felt in some manner. Medicine will always require interaction with a patient and being able to offer that same high level of interaction with our products is our goal. The catalog of products we offer is growing frequently and creating the right products requires interaction with the experts in attendance at SimGHOSTS. Custom design and manufacturing has been a huge part of our recent expansion. If you have an idea for a new product, we can walk you through the process of licensing and selling through our dedicated webstore or network of distributors.

If your lab uses a special home made product, we can also build that just for you. This can free up valuable time to develop new products to meet the growing needs all organizations have. Our internal resources and network of technology partners allows us to make models that exceed the abilities of most current products. By working with SimGhosts we hope to find more partners to help improve the Standard of Practice!
Event Polling Sponsor

Turning Technologies is passionate about transforming instruction to enhance all learning environments. Founded in 2002, Turning creates solutions to engage every learner in a dynamic, collaborative learning environment. Participants respond to interactive polling questions with keypads or web-enabled devices. The results instantly display on screen and collect in detailed, exportable reports. Natively poll in PowerPoint, over top of any application or conduct self-paced polling with ease. With these easy-to-use solutions, instructors can track progress indicators, instantly view results and collect valuable data. Our solutions can enhance instruction, improve retention, and provide a voice to every learner. www.TurningTechnologies.com

Turning Technologies solutions improve learner success.

Affiliated Organizations:

During the 7th annual IPSSW 2015 event in Vancouver Canada, Executive Director Lance Baily signed into agreement an official affiliation with President Dr. Stephanie Sudikoff of the International Pediatric Simulation Society, which is incorporated in Switzerland. The agreement was approved by the Executive Board of SimGHOSTS and Event Director Ryan Eling was also in attendance. Lance said regarding the agreement, “We are thrilled to directly connect the resources and international community of SimGHOSTS into the wonderfully innovative organization of IPSS -- and we look forward to supporting the increase adoption and utilization of simulation technologies for all of their members”. The agreement provides for a mutual exchange of organizational news updates, promotion of collaborative simulation resource projects, and discounted membership opportunities for both communities. www.ipssglobal.org

A not-for-profit company limited by guarantee, ASPiH is a membership association formed in 2009 through the merger of the National Association of Medical Simulators (NAMS) and the Clinical Skills Network (CSN). The overarching goal of ASPiH is to enable wider sharing of knowledge, expertise, and educational innovation related to simulated practice across the healthcare professions. AIMS provide an effective communication network for those involved in simulated practice in the UK and beyond provide quality exemplars of best practice in the application of simulated practice to education, training, assessment and research in healthcare establish key benefits and evidence of impact linking simulated practice with improvements in patient safety and quality of care develop and share key operational and strategic resources for members drawn from experience within the association and from links with relevant educational bodies nationally and internationally encourage and support scholarly development and recognition of members through wider dissemination of innovative practice at scientific meetings and publications. www.aspih.org.uk/
Who Should Attend SimGHOSTS 2015 USA?

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 ASPiH November 2015) are better suited for those responsible for clinically educating learners through simulation.

What are The SimGHOSTS Sim Meeting Objectives?

- Meet with other Simulation Technology Specialists and share best practices
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  - 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.
Welcome to Los Angeles!

Cedars-Sinai Medical Center Women’s Guild Simulation Center for Advanced Clinical Skills

2015 SimGHOSTS USA Meeting Host

About Our Host

The Women’s Guild Simulation Center for Advanced Clinical Skills is an immersive environment equipped with the latest in human patient simulators and medical devices. The center replicates the reality of professionals working together performing different roles and navigating the latest technology within our system. Multi professional clinical skills development, teamwork, improving communication and, ultimately, patient safety are at the heart of the center’s ethos. This proactive approach, training in teams, communicating in teams and solving problems in teams helps Cedars-Sinai provide the best possible care to patients and provides staff with the latest in educational technology.

The Women’s Guild Simulation Center comprises two fully equipped and functioning operating rooms, an ICU, OB/GYN room and a trauma bay. In addition, it has a PICU/NICU and multiple rooms for skills training and development. The center also includes a fully equipped computerized simulation room with simulators for practice in GI/bronchoscopy procedures; laparoscopic, hysteroscopic, urologic, neurologic and cardiovascular procedures; and ultrasound procedures and robotic surgery.

At first glance, the scene in the Women’s Guild Simulation Center for Advanced Clinical Skills is familiar. Patients recline in hospital beds surrounded by leading-edge technology and skilled medical professionals. They talk with doctors and nurses. Their chests rise and fall as they are checked with stethoscopes and heart monitors. Their eyes blink. On closer inspection, however, these are no ordinary patients, they are high-tech mannequins animated by next-generation technology.

The new Simulation Center is the ultimate training environment - one where surgeons, physicians, nurses, and allied healthcare professionals can master advanced skills. By constantly improving the skills of clinical staff, Women's Guild is providing a resource that benefits every department at Cedars-Sinai and the patients they serve.

- 2 fully equipped and functioning operating rooms
- 1 intensive care unit
- 1 obstetrics/genecology room
- 1 trauma bay
- 1 prenatal intensive care unit/neonatal intensive care unit
- Multiple rooms for skills training and development
- 3 debriefing rooms equipped to receive and project live video feed from the simulation rooms.
- A fully equipped room with computerized simulators for practice in gastrointestinal/bronchoscopy procedures; laparoscopic, hysteroscopic, urologic, neurologic and cardiovascular procedures; and ultrasound procedures and robotic surgery.

Learn more about the center at their website: www.cedars-sinai.edu
Where Can I Stay Up-To-Date with Meeting Details?

Visit our website at:  www.simghosts.org/simghosts-2015-usa

Also stay connected with us via twitter at: @SimGHOSTS

**Official Accomodations**

**DoubleTree Culver City**

6161 W. Centinela Ave
Culver City, CA 90230-3200
(310) 649-1776

DoubleTree Culver City, Rate: $159/night (tax not included).

Free transportation provided to and from Cedars-Sinai from DoubleTree.

**NOTE:** Hotel will host pre-symposium & post-symposium courses.

Reservations need to be made via phone; mention that you are booking for the SimGHOSTS event and they will give you our discounted rate. If you have any issues with making your reservation, please contact Ryan Eling at ryan@simghosts.org.

**Transportation**

A shuttle service will provide FREE transportation to and from the Doubletree Hotel and the Cedars-Sinai Medical Center campus. If you stay at another hotel you will need to find personal transportation to Cedars-Sinai.

**Airports**

The closest international airport is “Los Angeles International Airport” The airport code is LAX and is located at 1 World Way, Los Angeles, CA 90045 .

**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 breakfast on August 5th - 7th and lunch on August 5th and 6th. Attendees are invited to attend an opening reception held the evening of Wednesday August 5th.

Registration Costs (All charges will be in US Dollars)

Pre-Conference Events (August 4th):

3D Printing for the Simulation Specialist (8:30AM-12:30PM): $25  
Moulage Sciences & Training Moulage Skills & Silicone Training (1:30PM-5:30PM): $225  
Laerdal Basic Simulator Care and Maintenance: (1:00PM-3:00PM): $35  
Laerdal Advanced Simulator Maintenance: (3:00PM-5:00PM): $35  
CAE Healthcare Essentials of the Maternal Fetal Simulator and VIMEDIX OBGYN (1:00PM-5:00PM): $75  
Gaumard Hardware Basics (1:00PM-5:00PM): $75!

Main Conference (Includes: August 5th, 6th and 7th)

Early-Bird Registration (while supplies last): $425 per person.  
Standard Registration: $550.00 per person.

Registration also includes:

- Opening Reception Party Wednesday Night.
- Access to the vendor hall.
- Meals as described above.
- Free transportation to and from official accommodations.
- One year subscription to SimGhosts.Org (Currently valued at $135.00).

Registration Process

For this event, registration will be handled online through an external event management system. Visit www.simghosts.org/simghosts-2015-usa to register. This system will also handle invoices for check or wire transfer payments.

Refunds & Other Policies

All policies posted on the 2015 SimGHOSTS USA event page. There are NO refunds after July 17th, 2015.

Other Questions?

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

Email SimGHOSTS Event Director Ryan Eling with questions: Ryan@SimGHOSTS.org
Complimentary Annual Subscription to The New SimGHOSTS.org Website!

Your registration includes one year of subscription to the NEW SimGHOSTS.org website. Valued at $135.00, your registration INCLUDES this subscription for FREE! An Annual SimGHOSTS.org website subscription provides for a huge number of benefits for you and your simulation team:

**Growing Video Library** - Over 75 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.

**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.

**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!

**Certificate Programs** - Coming soon, subscribers will have first access to upcoming certificate courses in simulation technology specialist topics.

**Store Discounts** - Save 10% on all purchases from the SimGHOSTS online store (Launching soon).

**Subscription Types (Get 50% off these standard prices):**

- **Free Newsletter**: Get monthly news updates regarding SimGHOSTS events, resources, projects and more. No website access provided.
- **Individual Website Subscriber ($135.00 USD)**: Get one annual pass to the exclusive SimGHOSTS.org content shown above.
- **Institutional Website Subscription 3-15 ($99.00 USD pp)**: Save 25% per person on up to 15 staff to SimGHOSTS.org exclusive content. Minimum 3 subscriptions required.
- **Institutional Website Subscription 16-50 ($87.00 USD pp)**: Save 35% for your entire simulation program staff! Minimum 16 subscriptions required. Best offer!

**Pay with your credit card to get instant access today!**

“I have been a member of SimGHOSTS since its inception because the skills and support gained from this community year after year have been invaluable. Connecting to global peers through the SimGHOSTS in-person hands-on training events and online community has enabled me to take our simulation department to new heights of success.” - UCLA Simulation Technology Specialist Christian Cannady.

“No other resource out there is like SimGHOSTS. The organization’s knowledge pool is vast and shared openly with other members. SimGHOSTS has taken our ability to teach our learners through simulation to a new level.” - Grand Rapids Medical Education Partners Simulation Technology Specialist Darren Dibble

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SimGHOSTS 2015 Opening Reception
Sponsored by Level 3 Healthcare

Join us Wednesday evening to meet and connect with your fellow Sim Techs at the Dragonfly Club in LA! We’ll be dining on tacos, having and drink and enjoying TERMINATOR TOO: JUDGMENT PLAY! It’s a live production of the James Cameron cinematic masterpiece T2 - and one lucky audience member gets to play The Terminator!

Learn more at www.terminatortoo.com

Session Recording Sponsored By CAE Healthcare

Missed your 2nd choice session? Don’t worry - thanks to CAE Healthcare as many sessions as possible are being recorded at SimGHOSTS 2015 USA and will be made permanently available to subscribers of our online website.

Reminder: your registration INCLUDES the next year of website subscription (valued at $135.00 USD) for FREE! Re-watch all your favorite courses and catch up with the courses you missed with A/V recording thanks to CAE Healthcare!
Bug-Busters Tech Troubleshooting Competition

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 for the “Bug-Busters” Simulation Technician Troubleshooting competition. Sign up for the challenge during the survey portion of your SimGHOSTS 2015 USA event registration.

The Challenge:

Participants will have 10 minutes to diagnose and repair multiple system issues in a clinical simulation room dealing with any of 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 bonus points via trivia questions. All participants will have the same issues to troubleshoot during the first round.

Competition Schedule:

Wednesday, August 5:  10:00 - 10:30 & 12:00 PM - 1:00 PM [Qualifying round #1 - Teams]
Thursday, June 25: 10:00 - 10:30 & 12:00 PM - 1:30 PM [Qualifying round #2 - Pairs]
Thursday, June 25: 3:00 PM - 5:00 PM [FINALS - Individuals]

The Finalists will be the top three participants as judged by the Competition Coordinator and the SimGHOSTS Board. Final competitions will be recorded and then played in the main auditorium, where the entire SimGHOSTS audience enjoy the thrills of the finals!

Prizes:

- Grand Prize: Free Registration to SimGHOSTS 2016 & Secret Surprise Award of Awesome
- 2nd Prize: $100 Amazon Gift Card
- 3rd Prize: $50 Amazon Gift Card

Questions? Ask Ryan at ryan@simghosts.org.
About The Courses at SimGHOSTS USA 2015

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
- **Simulation Technology Courses** - PURPLE
- **Medical Training Courses** - RED
- **General Educational Courses** - GREEN
- **Management Courses** - GREY
- **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 SimTechs 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 Pre-Symposium Courses

Tuesday August 4th

Introduction to 3D Printing for The Simulation Specialist - Intermediate

Chad Jackson
American College of Chest Physicians
8:30 AM - 12:30 AM
Registration: $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.

Moulage Skills & Silicone Training

Lillie Falco
Moulage Sciences & Training
1:30 PM - 5:30 PM
Registration: $225

Learn about & use silicones currently implemented in the Special FX industry. Learn to identify and work with proper silicones for different applications. Fabricate small-scale Moulage effects using freehand techniques & silicones. Create small freehand prosthetics from start to finish using silicones. Apply fabricated & pre-made silicone prosthetics using a variety of silicone adhesives. Use silicones to create custom props for Moulage scenarios.
SimGHOSTS 2015 Pre-Symposium Courses
Tuesday August 4th continued

Laerdal Basic Simulator Care and Maintenance
Laerdal Medical Staff
1:00 PM - 3:00 PM
Registration: $35

Product performance directly affects simulation goals and objectives. To ensure equipment works in the best possible way, this beginner to intermediate course is designed to cover general care and maintenance of Laerdal low fidelity simulators. Participants will learn how to perform proper cleaning; software updates, general troubleshooting, and parts replacement. These focus areas are the foundation to keeping systems available and ready when simulators are called into action. This session will cover the Laerdal family of simulators. Hands-on opportunities will depend on class size.

Laerdal Advanced Simulator Maintenance
Laerdal Medical Staff
3:00 PM - 5:00 PM
Registration: $35

Developing the skills and knowledge to keep SimMan 3G performing optimally is imperative to simulation. This intermediate to advanced course is designed to cover in depth proper care and maintenance for SimMan 3G that supports the rigorous training environment. Participants will learn how to perform basic care, cleaning, software updates, and troubleshooting. Examples of hands-on parts and assembly replacement will also be covered. Participants will be able to identify key SimMan 3G focus areas for periodic evaluation and maintenance. Hands on opportunities will depend on class size.

CAE Healthcare Essentials of the Maternal Fetal Simulator and VIMEDIX OBGYN
Scott Temple, BS, NREMT-P
CAE Healthcare
1:00 PM - 5:00 PM
Registration: $75

This four-hour hands-on course will provide participants the basic essentials of using the CAE Healthcare simulators, Lucina and the VIMEDIX OBGYN. The course will enable participants to have a basic understanding of set-up, power on and off procedures, use of the birthing configurations (prepartum, delivery and postpartum), fluid features, and use of the preconfigured SCEs in the Muse operating platform. The course will enable participants to also perform basic troubleshooting and general care and maintenance on these CAE Healthcare simulators.
SimGHOSTS 2015 Pre-Symposium Courses
Tuesday August 4th continued

Gaumard Hardware Basics
Gaumard Scientific Staff
1:00 PM - 5:00 PM
Registration: $75

Get hands-on with Gaumard product and learn from the company’s experts. Specific content TBA.

SimGHOSTS Workshop:

Research Fundamentals & Job Description Creation - Basic
SimGHOSTS Board Members & Volunteers
1:00 PM - 5:00 PM
NO REGISTRATION FEE; Limited spaces available

The role of Healthcare Simulation Technology Specialist (HSTS) continues to develop and it is crucial that our community assist Human Resource departments in identifying, developing, and outlining the skills, education, and experience required for this critical role. Discussions with our partners at the Association for Simulated Practice in Healthcare (ASPiH) has moved us to act, and present this small-group workshop, wherein SimGHOSTS board members will lead work towards developing a comprehensive HSTS job description.

As a passion-driven organization SimGHOSTS strives to push agendas that promote and expand opportunities for our community, in order to achieve this participation from the community is paramount. Please join us in this endeavor; as this workshop will be an important opportunity to add your voice to the discussion; assisting us and the community in identifying and developing a job description that can be used by decision makers and human resource departments throughout the industry.
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.

**Wednesday August 5th**

0700 - 0800  Bus Transportation from Doubletree Culver City to Cedars-Sinai Medical Center

0730 - 0830  Breakfast available

0800 - 0830  SimGHOSTS Welcome
              Cedars-Sinai Welcome
              Level 3 Healthcare Welcome
              SimGHOSTS Opening Remarks
The Gathering Of Healthcare Simulation Technology Specialists

0830 - 0930

SimGHOSTS 2015: USA Keynote Address, Sponsored by Level 3 Healthcare

Keynote Speaker:
Dr. Alistair Phillips
Cedars-Sinai Medical Center

Dr. Alistair Phillips, MD, FACC, FACS Co-Director, Congenital Heart Program Chief, Division of Congenital Heart Surgery Alistair Phillips, MD, is Co-Director of Cedars-Sinai’s Congenital Heart Program and the Chief of the Division of Congenital Heart Surgery within the Cedars-Sinai Heart Institute. He is board-certified in surgery, thoracic surgery and congenital heart surgery.

Prior to joining Cedars-Sinai, Dr. Phillips was surgical director of Pediatric Heart Transplantation, Mechanical Circulatory Support and Adult Congenital Heart Disease at Cincinnati Children's Hospital and an associate professor of surgery at the University of Cincinnati. Dr. Phillips has extensive experience in developing novel approaches to treat congenital heart disease, including hybrid methodologies that combine the skills of interventional cardiologists and surgeons.

Dr. Phillips is interested in developing quality improvement programs with a family-centric approach.

Dr. Phillips’ research interests include blood conservation in congenital cardiac surgery, neurological outcomes in pediatric cardiac surgery, development of animal models for congenital heart disease and tissue banking of congenital heart disease samples. He has received research grants from the National Institutes of Health, the American Heart Association and the Muscular Dystrophy Association. Dr. Phillips has been published in numerous peer-reviewed journals, including Congenital Heart Disease, Pediatric Cardiology, The American Journal of Cardiology, The Annals of Thoracic Surgery and The Journal of Invasive Cardiology.

A prolific lecturer, he has been invited to lecture and present on his areas of expertise on both the national and international level. Dr. Phillips is a member of several professional organizations including the Congenital Heart Surgeons’ Society, American Heart Association Councils on Cardiovascular Surgery and Anesthesia, Cardiovascular Disease in the Young, and Functional Genomics and Translational Biology. He is also a member of the American Medical Association, founding member of the World Society for Pediatric and Congenital Heart Surgery, a diplomate of the American Board of Surgery and the American Board of Thoracic Surgery, and a fellow of the American College of Cardiology and the American College of Surgeons. After earning his bachelor’s of Science degree in Biomedical Engineering from John Hopkins University, Dr. Phillips earned his medical degree from Columbia University. He completed residencies in surgery and cardiothoracic surgery at New York-Presbyterian Hospital/Weill Cornell Medical Center. He completed fellowships in pediatric cardiac surgery at New York-Presbyterian Morgan Stanley Children's Hospital, pacemaker/defibrillator at New York-Presbyterian Hospital/Columbia University Medical Center, thoracic surgery at Memorial Sloan-Kettering Cancer Center, and cardiac surgery research at New York-Presbyterian Hospital/Weill Cornell Medical Center. Dr. Phillips has been named one of the Best Doctors in America (2007-2013) and listed in the Guide to America’s Top Surgeons (2009).

0930 - 1000 Vendor Exhibit Hall Open | Bug-Busters Team Rounds
Wednesday MORNING Selectable Block A (1000 - 1050)

Manikin Innovations - Intermediate
The Creation of an Infant Fuhrman Catheter (chest tube) Placement Manikin
Brian Wallenburg & Steven Messier
University of South Dakota

This session will go through the steps of creating a new low fidelity manikin that is not currently available on the market today. I will discuss working through various prototypes and finally what met the requirements of suspended disbelief, tactile performance, proper weight distribution and the overall realistic manikin that is a Furhman Catheter (Chest Tube) Manikin. The manikin was created at low cost, it repurposes consumables from other products that would otherwise be deemed disposable.

DIY Manikin upgrade
Nikolaj Krogh-Jensen & Evgenii Ripp, MD

The objective of the presentation is to show how you can strengthen the pneumothorax module and add hemothorax capability to the Gaumard S315.100, at almost no cost. The presentation will mainly be Powerpoint, but the presenter will have a modded simulator with him to show the learners the actual result. Currently the presenter is discussing with Gaumard the possibility of sponsoring a new S315.100 for the modding presentation. However, these discussions are not completed and the end results are therefore unknown which is why the presenter is submitting the Powerpoint presentation version.

Under The Hood of METIman - Basic
50 Minutes
Mark McClure Technical Trainer, CAE Healthcare

This hands-on course will review the most common tips and tricks for identifying and resolving issues with patient simulators. Lessons learned can be put to use across the full array of patient simulators. This session will include setting up, breaking down, cleaning and maintenance, fluid lines and troubleshooting techniques.

Alphabet Soup: Who is Treating my Simulator? - Basic
50 Minutes
Amanda Pierce & Irene Lugo
Texas Tech University Health Sciences Center

Working in simulation labs where you are required to set up a medical scenario or running a simulation without healthcare knowledge can be a daunting task. Acronyms and abbreviations behind people’s names make understanding roles difficult. This training module will assist you in learning the different titles and roles of individuals you may encounter during simulation and labs.
Making Apps Work for You, Part 1 - Basic
David Escobar
Cedars-Sinai Medical Center

An overview of free software and apps currently being used in simulation center operations. Course will increase your knowledge of how to identify and incorporate new applications for use in day to day operations. We will focus on free software that is publicly downloadable. Basic computer knowledge is required. There will be time for questions and answers.

Participants will benefit from having a laptop available with internet connection, but it is not required. Lesson learnt will help increase productivity and operations for a simulation center working with a limited budget. We will highlight how cedars-sinai team uses the software/apps on a daily basis in their center.

YOU MUST ALSO REGISTER FOR PART 2 IN BLOCK B

Moulage Skills, Part 1 - Basic
Lillie Falco
Moulage Sciences & Training
Additional Course Fee: $35

Learn about & use products currently implemented in the Special FX & Moulage industry. Apply introductory level Moulage makeup and fabricate custom effects such as lacerations, gunshot wounds, burns, compound fractures, etc.

YOU MUST ALSO REGISTER FOR PART 2 IN BLOCK B

Level 3 Healthcare Special Announcement and Demonstration
50 Minutes
Level 3 Healthcare Staff

Platinum Sponsor Level 3 Healthcare will be discussing an exciting development for their company and allow attendees to learn about exciting new products.
Wednesday MORNING Selectable Block B  
(1100 - 1150)

**Making Apps Work for You, Part 2 - Basic**
David Escobar  
Cedars-Sinai Medical Center

Continuation of workshop from Block A.

YOU MUST ALSO REGISTER FOR PART 1 IN BLOCK A

**Moulage Skills, Part 2 - Basic**
Lillie Falco  
Moulage Sciences & Training

Continuation of workshop from Block A.

YOU MUST ALSO REGISTER FOR PART 1 IN BLOCK A

**Getting to Know You: Principles of Adult Patient Assessment and Hand Off - Basic**
50 Minutes  
Cole Boeve, Brian Wallenburg  
University of South Dakota

This session is geared towards the IT/AV Simulation Technologist that is interested in advancing their knowledge in the principles of patient assessment. This is an interactive case study featuring both a medical and trauma based scenario. We will walk through the basic assessment tools and equipment needed with a simulated patient. The participants will complete initial and focused assessments, wrapping up with patient hand off tools.

**POV Video in Healthcare Simulation - Basic**
50 Minutes  
Dr. Carlos O. Aguilar Ortega  
Universidad del Valle de México

Point of view video has changed many aspects of the many industries. For example, among the most popular video games are the first person shooters and we all love to watch first person video of skydivers and other daredevils on YouTube. How can we use these tools to create a more realistic, immersive space for the observers of simulation exercises? Nowadays there are easy solutions to incorporate POV action cameras into the simulation exercise.

At the Universidad del Valle de México, we have piloted inexpensive, flexible and efficient techniques to create first-person POV video during a simulation exercise. We will discuss how we developed our GoPro based system and how we are using it to create more exciting and powerful experience for our learners.
Intro to LLEAP - Basic
50 Minutes
Laerdal Medical Staff

We will explore Laerdal's newest patient simulator learning application. From features and benefits of this unified simulator software to implementing the new platform into your existing simulation program. There may be more than one Laerdal path to success depending on your training environment. Find out all of the details here!

Pocket Nurse presents Mobile Medication Management by Omnicell
50 Minutes
Frank Pagani, Integrated Solutions Specialist, Pocket Nurse

Pocket Nurse and Omnicell have joined forces to provide real world medication management solutions that fit seamlessly into the nursing education simulation lab and curriculum. This session focuses on demonstrating the Half-Cell Automated Dispensing Cabinet and Savvy Mobile Medication Workstation. This product mix is designed to teach the inventory and safety control measures typically deployed in clinical care environments. The result of educating with these solutions is increased patient safety, reduced rates of medication errors, and more realistic training scenarios that transfer well into the workforce.

1150 - 1300 Lunch & Exhibit Hall open | Bug-Busters Team Rounds

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

1230 - 1300

Meet Your Vendor! Feedback from the Tech’s Perspective
30 Minutes
(Choose one)
- Level 3 Healthcare
- Laerdal Medical
- CAE Healthcare
- Gaumard Scientific
- Exhibit Hall

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.
Wednesday AFTERNOON Selectable Block C
(1300 - 1450)

Building Innovative, Immersive EMS Simulation - Intermediate
110 Minutes
Brian Hendrickson, David Oleson, Christi Myers
Victor Valley College

This session will focus upon the necessary elements of building an immersive, self-contained EMS simulation program - from an administrative point of view. Subtopics to be addressed in a question / answer, open discussion surrounding the administrative support required from the inception to the operational phase of development.

Topics to include:

- Community involvement
- Funding sources - limitations
- Partnerships
- Sustainability plan
- Staff development
- Support Services
- Short / long term growth
- Outreach
- Program collaboration

This session will also focus upon setting realistic goals and provide details - our 5 phase approach to a successful simulation startup - and the term ‘expertise’:

- Research
- Acquisition
- Training
- Implementation
- Proficiency

Life Casting - Intermediate
110 Minutes
Lillie Falco
Moulage Sciences & Training
Additional Course fee: $55

Introduction to body casting using a variety of materials. Create Moulage props from start to finish using fabrication & molding techniques and use advanced materials (foams, resins, silicones) for Moulage purposes.
Level 3 Healthcare Workshop - Basic
Level 3 Healthcare Staff
“Basic Cable Termination – An Interactive Hands-On Lesson” 80% of failures in an AV system are related to bad or faulty cable terminations. Join Level 3 Healthcare’s Technical team as they walk you through step by step instruction to AV cable terminations. This will be a hands on training course where you will learn to terminate and/or repair many different AV cables including CATx, XLR, Fiber and many others. No need to bring a soldering iron, we got you covered for this awesome course! - (Presenter; Level 3 Healthcare Technical Team)
“The Power of Touch –How Touch Panel Control Systems Can Benefit Your Center” Multiple room scenarios are now achievable through the use of touchscreen interfaces that allow users to select each room’s cameras, microphones etc. and define the workflow prior to the scenario event. Participants can move freely from one space to another while the operator switches seamlessly from one room view to another. A simulated patient or manikin can enter the ER, be moved to the OR, then recovery and finally moved to the patient room -- all in one scenario. - (Presenter; Benjamin Campagnola)
3d Printing in Healthcare, Part 1 - Basic
David Escobar
Cedars-Sinai Medical Center
A basic introduction to 3d printing in healthcare. Attendees will see a hands on demonstration of software used to create 3d printable files from CT & MRI images. Multiple types of 3d printers will be showcased as well as different software available on the market (both free and paid). Attendees will also be able to print their own design. We will discuss the current use of 3d printers in healthcare as well as the ability to use 3d printers for everyday needs. There is no previous experience needed in 3d printing or CAD design software to participate. Will showcase printers that are available for less then $10,000.
YOU MUST ALSO REGISTER FOR PART 2 IN BLOCK D
Research Concepts for The Healthcare Simulation Technology Specialist - Basic
110 Minutes
James Cypert, SimGHOSTS
Research is not something limited to only the sciences, anyone who desires to get a deeper understanding of a topic or concept. Each of us do research in various ways, it can be to help us be creative, to find a way of doing something, to buy a house, to find the best product. However, the research concepts covered in this course are based on principles that are systematic, recorded properly, and are peer-reviewed so that we can be more confident in the quality of what is reported.
The participants will be guided through some peer-reviewed research articles that relate to simulation and technology. Topics will range from how to find research, how to review research properly, and how to assess and interpret what is being reported in research articles, and then identify ways to use research to support evidence-based practice in our roles as Healthcare Simulation Technology Specialists (HSTS). Utilizing research to gather important information to better communicate with professions that rely heavily on research in decision making, to make positive changes, and to improve the standards of practice in the use of technology in simulated environments.
Learning Objectives
• Participants will be able to name key concepts, methods, used in research.
• Participants will be able to articulate the role that research can play in guiding them.
• Participants will successfully read and interpret peer-reviewed research and determine HSTS towards evidence-based practice in simulated environments. The most effective way to use it in a simulated environment to promote best practices.
Post-Warranty Simulator Maintenance with Q&A Troubleshooting - Intermediate  
Arielle Glenn  
Cedars-Sinai Medical Center  

The presentation will be both interactive and informative on a level that has not been addressed by vendors and educators alike. The three parts of this session will include the following: 

Lecture: attendees will listen to an overview with powerpoint style videos of performing quick maintenance on both SimMan3G and Hal3201. 

Interactive: attendees will work together to identify crucial parts that wear over time by using scavenger hunt style recruiting of items to placement using worksheets provided. Then, session host will do a guided maintenance where each participant can identify, clean, and replace a crucial part. I will also be addressing ways to identify network and AV issues by lecturing first and then staging just a handful of issues for participants to work collaboratively through with a guide. 

Q & A: Will be asking participants list their troubleshooting issues prior to attending in order to discuss during the end of the session for an open Q & A. 

Note that this session is geared for participants who have equipment that is out of warranty or for those who seek maintenance and troubleshooting information. Attendees will take away guides, video links, and DIY tools for maintenance and troubleshooting. Materials will be provided. 

YOU MUST ALSO REGISTER FOR PART 2 IN BLOCK D

Wednesday AFTERNOON Selectable Block D  
(1500 - 1650)

3d Printing in Healthcare, Part 2 - Basic  
David Escobar  
Cedars-Sinai Medical Center  

Continuation of workshop from Block C. 

YOU MUST ALSO REGISTER FOR PART 1 IN BLOCK C

Post-Warranty Simulator Maintenance with Q&A Troubleshooting - Intermediate  
Arielle Glenn  
Cedars-Sinai Medical Center  

Continuation of workshop from Block C. 

YOU MUST ALSO REGISTER FOR PART 1 IN BLOCK C
We Built It, Now Where Is Everyone?

110 Minutes
Andrew Schneider
Central New Mexico Community College

This presentation will cover challenges to successful high-fidelity simulation program or center development and how those challenges were overcome at Central New Mexico Community College (CNM) in Albuquerque, NM. CNM is the second largest post-secondary college in New Mexico. Only the University of New Mexico has higher student enrollment. CNM has a several healthcare programs, including Nursing, EMS (All levels), Respiratory Tech, Radiology Tech, Patient Care Tech, and Surgical Tech.

Approximately five years ago CNM was able to secure funding for a massive remodel of healthcare instruction facilities and the creation of a high-fidelity simulation lab. The simulation lab included over a million dollars of high-fidelity manikins and an A/V system with over 160 cameras.

Despite the creation of the facilities and acquisition of the manikins high-fidelity simulation did not generate the level of usage desired. It was not until Spring 2014 that usage started to increase when the presenter (A. Drew Schneider) arrived. What the presenter found was that the lack of usage was due to ineffective program support, not lack of interest by healthcare faculty. Presenter found that initial assumptions that were made regarding how to run the simulation program did not include adequate operational support. After initiating several processes that provided better support and guidance to faculty the CNM simulation team was able to obtain explosive growth over the past year.

Fundamentals of Mold Making and Casting for The Sim Tech - Intermediate

Additional Course Fee Required: $15
110 Minutes
Chad Jackson, MS, RRT, CCMEP
Director, CHEST Clinical Simulation and Innovation Center

This session is primarily reserved for experienced Simulation Technicians who have attended SimGHOSTS events before. In this hands on session, experienced simulation technicians will learn the necessary steps and techniques to actually make a mold out of silicone. This includes making or preparing a model, protecting the model and the mold, and casting the mold.

While their molds are curing, attendees will see a variety of molds designed and made by CHEST to innovate in their simulation laboratories over the years, and what lead to their development, and the outcomes from those educational products. Next, attendees will separate their molds, remove the models and cast resin into their made molds. While the castings are curing, presenter will discuss a variety of molding and casting agents for the experienced simulation technician to use in their own labs. Finally attendees to this workshop will remove their casts and admire their work.
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.

Gaumard Scientific Workshop
110 Minutes
Gaumard Scientific Staff

Get hands-on and learn about Gaumard’s products from the experts! Specific content TBA.

1650 - 1700 Group Photo

1700 - 1730 Bus transportation to Doubletree Culver City

1800 - 1830 Bus transportation from Doubletree Culver City to Dragonfly Club
1830 - 2130

SimGHOSTS 2015 Opening Reception at Dragonfly Club

Sponsored By Level 3 Healthcare

TERMINATOR TOO
JUDGEMENT PLAY

Join us Wednesday evening to meet and connect with your fellow Sim Techs at the Dragonfly Club in LA! We'll be dining on tacos, having and drink and enjoying TERMINATOR TOO: JUDGEMENT PLAY! It's a live production of the James Cameron cinematic masterpice T2 - and one lucky audience member gets to play The Terminator!

Learn more at www.terminatortoo.com
The Gathering Of Healthcare Simulation Technology Specialists

Thursday August 6th

0700 - 0800 Bus Transportation from Doubletree Culver City Hotel to Cedars-Sinai Medical Center

0800 - 0830 Breakfast Available; Vendor Exhibit Hall Open

0830 - 0930 International Plenary Address

Sponsored By Laerdal Medical

A team from The Gathering of Healthcare Simulation Technology Specialists (SimGHOSTS) has been working with the International Nursing Association for Clinical Simulation and Learning (INACSL) to develop standards for best practice in simulation, focusing on the role of the technology specialist. These standards are being developed with Lori Lioce, DNP, VP of operations for INACSL and Suzie Kardong-Edgren, Ph.D., Editor-in-Chief for the journal Clinical Simulation in Nursing. These and other standards will be available in this journal in the near future.

Laerdal Medical is sponsoring a plenary session at SimGHOSTS USA 2015 where SimGHOSTS members James Cypert MS, Scott Crawford MD, Lance Baily BA, and Rachel Bailey will join Suzie Kardong-Edgren to present their work on this new standard. What does this mean for simulation now and in the future?

Healthcare is quickly being overwhelmed with the ubiquity of technology that has the tremendous potential to transform healthcare as we know it. While technology has presented healthcare with prodigious opportunities, it also represents one of the largest barriers to advancement and innovative practice. SimGHOSTS has always prided itself with being that bridge across the technological barriers and those that are required to introduce, support, maintain, and operate new and old technologies without the deep dive experience and training required to do so.

SimGHOSTS 2014 saw the introduction of a conceptual framework that has been further developed and the purpose of this presentation is to highlight the advent of the Healthcare Simulation Technology Specialist as a profession. To do this it requires the ongoing development of a theory of practice, setting professional standards, building core curriculum to provide ongoing training that meets and exceeds the current certification requirements, and to continue to develop the organizational relationships that will identify the Healthcare Simulation Technology Specialists as a group of professionals, not a rag-tag group of individuals from disparate backgrounds thrown into a job because they happen to be the most technical in a group of non-technical individuals.

Highlighting this effort towards the future, Suzie-Kardong-Edgren PhD, RN, ANEF, CHSE will highlight the new relationship INASCL and SimGHOSTS are forging, and the Healthcare Simulation Technology Specialist standard that is currently in the review process. James D. Cypert the new executive director for SimGHOSTS will underscore this topic by introducing the conceptual framework that went into the standard, the research used to develop it, and future new directions in research to put the standard to the test. With the development of this standard a new and exciting future begins to unfold as the role of the Healthcare Simulation Technology Specialist moves from misunderstood and unclear to seamless precise clarity.

0930 - 1000 Vendor Exhibit Hall Open | Bug-Busters Pairs Rounds
Thursday MORNING Selectable Block E (1000 - 1050)

Scenario Logistics Block - Intermediate
50 Minutes
Sally Gindling
Indiana University

We have found that when students learn new steps that are very important, i.e. first four steps of neo-natal resuscitation, or BLS or what to do for respiratory distress, that these very important steps can get lost in a longer simulation. To combat this we have been running very short simulations, typically 3-5 minutes that focus on the newly learned steps only to repeat and reinforce the steps with all students BEFORE running a full length simulation where the important steps are a part of the simulation. We have found great success with this and I think it merits sharing.

I will also share a novel approach to running simulation scenarios that include multiple patients. Multi-patient simulations allow our students exposure to prioritization in a way that single patient simulations cannot. This short presentation will give you a high level view of a multi-patient simulation, those items you need to think about when considering, building, setting up and running a multi-patient simulation as well as some very impressive student feedback.

Advanced Longitudinal and Interprofessional Hybrid Simulation Scenario Development and Implementation - Intermediate
50 Minutes
Yixing Chen, Cristina Alvarado & Doug Brunner
University of Toledo

UT-IISC is transforming education and training of healthcare professionals. Using standardized patients with the concept of 3D/VIR and Clinical Simulation, a combination of resources immerses learners in a safe and educational environment to learn and practice basic to advanced skills. 3D/VIR presents the learners with a new perspective on anatomical visualization. High fidelity simulations engage the learners with hands-on development of skills. Standardized patients interact with the learners to enhance the communication skills.

A video presentation will highlight a simulation scenario for IPE initiated with an EMS response to a home call and through the continuum of care.
Best Practices in Simulation Center Design + a Sneak Peak at Google Glass & SimCaptureXTM - Basic

50 Minutes

B-Line Medical Staff

During this presentation B-Line Medical® will highlight best practices for building a state-of-the-art simulation center, and share lessons learned from designing and implementing solutions in more than 350 simulation centers worldwide. We will share tips on construction, audio visual equipment/design, information technology design, furniture layout, and center management solutions. I will also share a novel approach to running simulation scenarios that include multiple patients.

In addition you will learn how to optimize B-Line Medical's simulation platform, SimCapture®, integrate Google Glass into your center, and get a sneak peak at our next generation HTML5 simulation management product, SimCaptureX, developed through applying our 10+ years experience in web-based video capture and debriefing.

Highlights of SimCaptureX include: Expanding use of mobile and cloud based technology Increasing response time and feature development cycle time Introducing an intuitive interface based on center workflows Join us for an interactive session where we will discuss important tools that can help shape your simulation center's success Presenters: Phillip Tuch and Bryan Knapp.

Under The Hood of METIman - Basic

50 Minutes

Mark McClure Technical Trainer, CAE Healthcare

This hands-on course will review the most common tips and tricks for identifying and esolving issues with patient simulators. Lessons learned can be put to use across the full array of patient simulators. This session will include setting up, breaking down, cleaning and maintenance, fluid lines and troubleshooting techniques.

Setting the Stage for a Successful Simulation Session: The Often Forgotten, All Important Orientation! - Basic

50 Minutes

Brian Wallenburg & Cole Boeve

University of South Dakota

Upon completion of this session, you will have the tools to educate your learners on how to have a productive simulation experience. Educating them about suspended disbelief and how it will improve their ability to learn and understand their objectives, what their role is and how they should approach the manikin, the equipment and overall atmosphere of the simulation lab. Setting clear expectations for them is a must! Inspired learners are successful learners. Often times, this falls on the simulation technician, having the most knowledge about manikin characteristics and capabilities.

Moulage Skills, Part 1 - Basic

Lillie Falco

Moulage Sciences & Training

Additional Course Fee: $35

Learn about & use products currently implemented in the Special FX & Moulage industry. Apply introductory-level Moulage makeup and fabricate custom effects such as lacerations, gunshot wounds, burns, compound fractures, etc.

YOU MUST ALSO REGISTER FOR PART 2 IN BLOCK F
Thursday MORNING Selectable Block F (1100 - 1150)

Moulage Skills, Part 2 - Basic
Lillie Falco
Moulage Sciences & Training

Continuation of workshop from Block E.

YOU MUST ALSO REGISTER FOR PART 1 IN BLOCK E

Welcome to The New Age of In-Situ Recording and Debriefing:
SIMULATIONiQ Mobile - Basic
50 Minutes
Marco Angeli, EMS Product Manager

In-Situ simulation training can be used to improve reliability and safety in high-risk areas. The one missing piece is: how can you properly record and debrief these events in a timely and effective manner? SIMULATIONiQ™ Mobile is the ONLY recording and debriefing solution that enables optional cloud or on premises integration with a fully functional simulation management platform. SIMULATIONiQ™ Mobile has been designed from the ground up to take advantage of touchscreen technology and to simplify setup. Join me as we visit this new and exciting technology that EMS has to offer to meet your medical simulation needs.

Progressive Simulations 101 - Intermediate
50 Minutes
Sally Gindling
Indiana University

This presentation will explain what a progressive simulation is - a 2, 3, 4 or 5 part simulation that focuses on the same patient over a period of hours, days or weeks. This is different than a “single-focus” simulation like hypoglycemia where 2 students come in and run a simulation, debrief and then 2 different students from the group come in and run another single focus simulation like congestive heart failure.

Progressive simulations are not for all groups. Groups must be smaller and father along in their education. We run these mostly with our junior/senior nursing students and our third year medical students.

The three main “improvements” that we have seen since running progressive simulations:

1. If you have a group of 10 students and you are running a 5-part simulation where 2 students will be the RN's or MD's in each part and the other 8 observe, the observers now become a much more engaged entity since what happens in part 1 has a direct affect on part 5 when they will be the RN or MD.
2. Our nursing students do their clinical at the hospital 1 day a week, every other week so they don’t get to see a patient start to finish with this type of simulation they do.
3. The students get to see how what they do affects the next nurse or team members care of this patient - this can be a real eye opener!

We will look at two of the main progressive simulations that we use and explain in detail what is required to plan for, setup and run this type of simulation.
Medical Short Presentation Block - Basic
50 Minutes
Simulation in the High School Setting
Cindy Garrett
Inspiring high school students to consider the role of a healthcare provider as a possible career is another possibility in which simulation can be utilized. Today, simulation is being used in medical schools and nursing schools around the world to enhance the clinical experience and to intensify real world situations in an interactive way. So, what better way to get high school students involved in the medical field?

Pediophobia, the fear of dolls
Jason Niggley
Experienced nurses, some of which have been working for more than 30 years, have unique reactions to the technology of simulation. One of the most extreme is pediophobia, the fear of dolls, and presented itself in such a way that made learning difficult in our simulation lab.

Psychologist Ernst Jentsch studied uncomfortable feelings that occur when it is not readily apparent if an object is alive. As technological advances make simulation closer to real life the problem will only increase.

This presentation will go through an actual case and suggested methods to enable everyone to participate in simulation.

A/V Short Presentation Block - Intermediate
50 Minutes
Brian Hendrickson, David Oleson, Christi Myers
Victor Valley College
How to live stream your simulation on a budget
This presentation will highlight the audio video solutions that are utilized to live stream dynamic EMS simulations. Live streaming has allowed the removal of a primary instructor during the simulation thus increasing student focus. The audio video equipment used is easily accessible to the public at a much more reasonable cost than would be expected.

Low Budget Audio Hacks For Your High-Tech Manikin
Looking for a low tech / low cost solution to a high tech audio problem? Do you operate your simulation environment in a noisy area? Have you found that the participants have difficulty in hearing the voice of the manikin? We will share our homegrown solution to this problem that obliterated this issue, even in the noisiest environments.

Optimizing Your SimPad - Basic
50 Minutes
Laerdal Medical Staff
This SimPad focused session takes the learner through how to perform updates, basic repairs to the SimPad, and SimPad usage across Laerdal's simulator platform. This will include the SkillReporter features that are available, along with SimStore scenarios and use.

1150 - 1300 Lunch & Exhibit Hall open | Bug-Busters Pairs Rounds
Enjoy lunch and take a moment to meet with our vendor sponsors in our exhibition space.
Thursday MORNING Selectable Block G (1300 - 1450)

Life Casting - Intermediate

110 Minutes
Lillie Falco
Moulage Sciences & Training
Additional Course fee: $55

Introduction to body casting using a variety of materials. Create Moulage props from start to finish using fabrication & molding techniques and use advanced materials (foams, resins, silicones) for Moulage purposes.

I am not a Doctor or a Nurse I Just Play One on TV - Basic

110 Minutes
Amanda Pierce & Irene Lugo
Texas Tech University Health Sciences Center

Setting up simulation scenarios and working under the direction of healthcare professionals is a daunting task. As the simulation specialist it is essential for you to understand how to set up scenarios with the medical equipment necessary to be successful and efficient. This course will assist you in learning how to set up a scenario or skills station that is centered on Respiratory Care. Topics include manikin set up/ staging, respiratory devices to include intubation equipment, TED Hose, SCD's and monitoring devices. Monitoring devices require a specialized set of instruments for set up and you will become comfortable with that equipment and set up.

Tips, Tricks and Quick Fixes - Basic

110 Minutes
Thomas Kai
Brooke Army Medical Center

Most high fidelity simulators have built-in scenario players. You can either purchase scenarios or create your own. Laerdal trains users a specific way to program that lacks the flexibility that we need at our center. We will instruct attendees how we use this innovative way to rapidly program, test and use scenarios. Most scenarios move forward when a specific condition is met, either by manikin or operator recognition. Even though this principle seems simple to use, it often produces scenarios that lack the flexibility that is required because of unsuspecting actions of simulation learners. Once a scenario progresses past a point, you are unable to return or go back to a specific state in the scenario. Our innovative approach allows for the manikin operator to go from any point in the program to any other point, forward or backwards. Each session attendee will receive a booklet that details the steps to create this type of scenario at their prospective centers and a password to download a sample HUB scenario template.
The HUB, an Innovative Way to Program Laerdal Manikins - Intermediate

110 Minutes
Brian Wallenburg, Cole Boeve & Val Kozmenko
University of South Dakota

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SimGHOSTS Training - Basic

110 Minutes
James Cypert & Lance Baily
SimGHOSTS

President James Cypert and Executive Director Lance Baily will present and discuss SimGHOSTS exciting new project: healthcare simulation technology specialists formal training! These online courses will allow professionals of all levels be able to further their career by giving them additional skills and knowledge vital to their role in healthcare simulation. James and Lance will outline the entire training program and take audience questions about when, where and how this will be available to the community.

Training for The NEW Simulation Technician, Part 1 - Basic
Arielle Glenn & David Escobar
Sim360

This workshop will offer the following:

*Overview of simulation user interfaces - instructor programs and patient monitors ins and outs:
Will be focusing primarily on Gaumard and Laerdal systems basics and advanced - where to find diagnostics and testing platforms and how to troubleshoot simple connection issues.

*Overview of AV system: Explain functions and uses of B-Line, EMS, and SimView.

*Overview of simulator operation: Functions, benefits and uses of simulators in a physical manner - how to set them up - how to store them - how to use them.

*Installation and basic maintenance - how to install simulators that are purchased without installation or warranty - how to maintain the health of simulators - how to clean - what to use - etc.

*Understanding Resources: know who to call and when pending there is a problem.

*Important safety/theft/reception information: how to keep track of your equipment, it's safety and holding each attendee into said center responsible while they are there.

*Inventory and making life simple: how to design a simple inventory system.

*Clinical lingo for technical backgrounds: breaking down language barriers between clinical and technical staff.

*Technical lingo for clinical backgrounds (leading into...):

*Scavenger hunt for clinical attendees: setting up technical supplies and having clinical staff identify what they are.

*Scavenger hunt for technical attendees: " and having technical staff ".

*Scenario development - how to use a template, what to ask, and where to input into the instructor interfaces.

*Working with others and identifying conflicts - how to work well with staff from different backgrounds and how to identify interpersonal professional problems.

*Q&A

YOU MUST ALSO REGISTER FOR PART 2 IN BLOCK H
Thursday MORNING Selectable Block H (1500 - 1650)

Training for the NEW Simulation Technician, Part 2 - Basic
Arielle Glenn & David Escobar
Sim360

Continuation of workshop from Block G

YOU MUST ALSO REGISTER FOR PART 1 IN BLOCK G

Sim Ambulance - Intermediate
110 Minutes
Nikolaj Krogh-Jensen & Irina Dolgina, MD

The learner will get a brief overview of the setup, i.e. floor plan, of our simulated ambulance lab. This includes the 4 zones: Casualty area, Ambulance, ER and ICU. We will discuss how a normal simulation would work and then explain in detail about the different elements of the system: Cameras, Audio, Software. This Sim Ambulance was custom built with off the shelf retail video surveillance software (with screen capture), and every hardware part was hand picked. Not only would Sim Ambulance work with any high-end manikin, in theory ANYONE can build Sim Ambulance quite cost effectively since none of the usual professional A/V vendors took part in the project. We will also connect to the Sim Ambulance online and play with the system real-time.

Setting Up a Simulation Room for Quick Turn Over - Basic
110 Minutes
Sally Gindling
Indiana University

I built this presentation using the concept of “What do I wish I would have known when I first started as a simulation technician”. This presentation will give new simulation technicians or staff new to simulation some simple ways to organize their simulation rooms/areas in a way that enhances their ability to setup, run, re-set and tear down simulations in an efficient manner.

Learning Objectives:

1. Describe and provide examples of how patient rooms are organized and set-up for easy turn over or converted to accommodate different patient populations.
2. Describe and demonstrate ways to make simulation scenario set-up and tear down more more efficient and consistent.
3. How to use set-up notes to fine tune often repeated simulations.
Next Steps in Simulation: Using Scenarios to Facilitate Data Capture - Intermediate
110 Minutes
Jason Grafft

Simulation technology has established itself as a valuable tool for improving the quality of care delivered to patients. As of today, a majority of simulations are delivered ad hoc (“on-the-fly”) using written scripts which severely limit the consistency, reliability, and information capture simulation technology can provide. These items are important because they facilitate comparison between individual administrations of a scenario and help ensure review by practice experts is accurate and cogent to the care delivered to the patient.

Choices made during the design and programming of a scenario have a strong influence on the fidelity of data a simulation provides. As simulation integrates further into the training and evaluation of healthcare providers, the need to show how learning objectives have been met by participants will grow. This requires we move away from “paper and pencil” scenarios and ad hoc administration of simulations. Technicians are the candidates to drive this change because they are likely to be tasked with at least the programming, and often the design and implementation, of patient case scenarios. Good design facilitates improved programming, which reduces inconsistency between administrations thereby increasing the fidelity of data captured.

Using actual simulation cases, this session will cover approaches, strategies, and techniques for scenario design, programming, implementation, data capture, and retrospective review (days/weeks after the sim). These methods are effective for all patient simulators, and do not require “advanced” programming skill. Questions and discussion is strongly encouraged.

Configuring, Maintaining, & Troubleshooting Windows Operating Systems & Software - Basic
110 Minutes
SimGHOSTS Representative

This course will begin with a discussion about basic troubleshooting concepts, move to identifying the purpose of an operating system, its structure, and how best to configure, maintain, and troubleshoot it, and the various software components that most people install. Participants will be able to identify some common pitfalls that occur in the process of updating components, and will actually troubleshoot some common issues related to operating system issues. This course is built upon the A+ Certification for Operating Systems & Troubleshooting exam objectives.

Learning Objectives:

1. Upon completing the course participants will be able to describe basic technology troubleshooting concepts.
2. Upon completing the course participants will be able to identify key components of the windows user interfaces, system tools, utilities.
3. Upon completing the course participants will be able to recognize and demonstrate best practices for windows operating system software updating.
4. Upon completing the course participants will be to demonstrate basic windows operating system troubleshooting techniques.
SimGHOSTS & Society for Simulation in Healthcare Professional Development Workshop - Intermediate
110 Minutes
SimGHOSTS & SSH Representatives

This presentation will include information regarding SSH’s Certified Healthcare Simulation Operation Specialist program plus SimGHOSTS’ online training program and standards development. Participants will learn what these two organizations offer to help gain skills, knowledge and legitimacy in your professional career. Get the chance to ask questions and voice your opinion about what you desire from these two educational nonprofits.

Bug-Busters Finals Round - Sponsored by Gaumard Scientific

Our finalists will run through their final 10 minute experience. These sessions will be recorded and the judges will rate the finalists. Recordings and final results will be shared first thing on August 7th.

1700 - 1730 Bus transportation to Doubletree Culver City Hotel

Friday August 7th

0800 - 0900 Breakfast Available in Dining Room | Bug Busters Award Ceremony
Friday MORNING Selectable Block I (0900 - 1300)

Introduction to 3D Printing for The Simulation Specialist - Intermediate
4 hours
Chad Jackson
American College of Chest Physicians
Additional Course 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 be 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 created 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.
Introduction to SimDesigner™ Programming to Meet Educational Objectives

4 hours
Frances Lee & Sylvia Hanckel
Medical University of South Carolina

In 2015 the Laerdal Corporation is transitioning to its unified instructor application, LLEAP. SimDesigner is the platform used to program scenarios for LLEAP and SimPad(R). This hands-on workshop will introduce the basic skills needed to program educationally sound scenarios. The workshop will go beyond teaching the features of the software by providing hands-on exercises that focus on educationally sound, objective-based application of software.

Learning Objectives:

At the conclusion of this workshop, the participant will have completed a prescribed educationally sound, objective-based healthcare simulation scenario using SimDesigner.

Topics will include:

1. Creating a scenario file
2. Outlining scenario information
3. Defining phases, states and events.
4. Creating automatic responses to phases, states and events.
5. Linking states with triggers
6. Adding resources, such as timers, user-defined variables, and multimedia to enhance the scenario
7. Adding grading to enhance the scenario.

This programming workshop is designed to be very hands-on. Each participant will need a laptop loaded with up-to-date versions of the SimDesigner and LLEAP software applications. Workshop materials will include hands-on exercises that will lead participants through the basic steps of programming a realistic healthcare scenario that will return documented learning outcomes, including specific performance assessment. Advanced logic will be introduced.

Prosthetic Making and Advanced Moulage Techniques

4 hours
Lillie Falco
Moulage Sciences & Training
Additional Course Fee: $155

Create small freehand prosthetics from start to finish using silicones. Create small, pre-made prosthetics from start to finish using sculpting, custom molding & prosthetic fabrication in a variety of materials. Create small props using simple molding techniques. Fabricate large-scale Moulage effects using freehand techniques & products. Apply advanced-level Moulage makeup and fabricate custom effects using re-useable prosthetics.
Talk Like a Doctor or Nurse

4 hours
Amanda Pierce & Irene Lugo
Texas Tech University Health Sciences Center

Medicine has complex terminology and an unfathomable breadth and depth of knowledge. To communicate with these learners becoming familiar with their terminology and the basics of resuscitation care is essential.

This course will provide an overview of the most commonly used medical terms, diseases and acronyms to help you understand the material being presented. Why doctors and nurses give the care they do and break down the language and terminology barrier that medicine has built up. At the completion of this course you will be able to communicate more clearly with learners and facilitators and design scenarios more effectively using triggers and cues that learners are taught to see in live patient interactions. You will be able to predict learner actions based on clinical scenarios and understand team member communication that was previously complicated by terminology or descriptors outside of the Vernacular.

Learning Objectives:

1. Identify how medical personnel view and interpret vital signs; and understand how and why they treat them.
2. Learn the most common disease entities and how they are managed with medication and physical interventions.
3. Identify the acronyms and terminology that serve to obfuscate the medical literature and communication within the medical system so that you can communicate with learners and educators on their terms.

1300 - 1330 Closing remarks and Exit Surveys