Dear Simulation Specialists,

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

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

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

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

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

Welcome to SimGHOSTS!

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

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

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

WHAT ARE THE MEETING OBJECTIVES?

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

REGISTRATION INFORMATION

SimGHOSTS 2016: USA Register Here!

Pricing
Early-Bird Registration: $450 (Available until June 15th)
Regular Registration: $595
*Note: First time attendees will be able to register for annual online subscription at a discounted rate. Select the Registrant with New Subscription to get this rate. Previous/Current subscribers can always renew at any time and should select the "Register with Previous/Current membership" button.

Laerdal Pre-Symposium Workshop: $50
CAE Healthcare Pre-Symposium Workshop: $50
TraumaSim Pre-Symposium Advanced Moulage Workshop: $125
TraumaSim Symposium Workshops: $25
Opening Reception Ticket: $25

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

Other Questions?
Keep informed about the latest information at the SG16USA Event Page.
ABOUT OUR HOSTS

Jump Trading Simulation and Education Center opened in April of 2013. Jump was made possible, in part, from a generous $25 million donation named for Jump Trading, a Chicago-based trading firm. A collaboration between OSF HealthCare and the University of Illinois College of Medicine at Peoria, Jump is a world-class facility transforming health care through education, research, and innovation. Over 84,000 learning experiences occurred at Jump in the past year, and that number is expected to grow steadily as our programs expand. State-of-the-art simulation devices and facilities attract the finest minds in clinical education and provide the highest level of medical research, training and innovation. Collaboration throughout our community, the region, the nation, and even the world happens every day at Jump and is the cornerstone of our vision to transform health care.

The third and fourth floor of the Jump building are currently being prepared to house the Performance Improvement, Data Analytics, Telehealth, ARCHES, and Clinical Research departments of OSF HealthCare. The rational is that research and development are at the core of what we are doing. Engineers will need access to data to understand what the opportunities are, clinicians to be subject matter experts in the monitoring, care delivery and population health data, simulated environments to test and refine their research before they are tested in clinical trials, and ultimately performance improvement to disseminate the new processes and technologies across our Ministry. This is a place where we can work on projects that will help us make leap growth solutions.

ACCOMMODATION PARTNER

Peoria Marriott Pere Marquette
501 Main Street, Peoria, IL 61602

Special SimGHOSTS discounted rate:
$120/night for duration of SG16USA

Complimentary parking
Free High Speed Internet
Airport Shuttle Available

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

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

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

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

**Join or Renew during SG16USA event registration!**
Welcome To SimGHOSTS 2016!

Event Information

Event Dates
Pre-Symposium: August 2nd, 2016
Main Symposium: August 3rd, 4th and 5th, 2016
Jump Simulation
1306 N Berkeley Ave, Peoria, IL 61603

Registration:
Early-Bird Rate (available until June 15, 2016) - $450
Regular Rate - $595
Select workshops have additional supply fees; see agenda for more information
Limited quantity of discounted student day passes available.

Transportation:
SimGHOSTS Shuttle Bus Booking: $35
This reserves you a seat on the SimGHOSTS-provided shuttle bus to Jump Simulation during the event.
Jump Simulation is 15-minute walk from host hotel. Public buses and taxi are available, as well as a hotel shuttle. Hotel shuttle is booked on a first-come, first-serve basis.

Airports:
General Wayne A. Downing Peoria -International Airport (PIA)
$20 Taxi to Hotel (City Route)/ $40 Taxi to Hotel (Highway Route)

Chicago-O'Hare (ORD)
2.5-hour drive to Peoria

Accommodation Partner:
Marriott Pere Marquette
501 Main St, Peoria, IL 61602
Make a booking at our group rate of $120/night!
Whether you're running a single simulation event or thousands, EMS' SIMULATIONiQ™ uses the latest web-based technologies to simply and seamlessly capture, organize, and analyze the full spectrum of your clinical skills and mannequin-based simulation efforts.

Working alongside subject matter experts, we serve as the driving force behind numerous consumer-centered innovations that continue to move the medical simulation software markets forward with breakthrough technologies. The results are tangible: greater visibility, usability, marketability, adaptability, scalability, measurement, and ROI.

EMS offers complete turnkey solutions for clinical simulation training environments that include high stakes exams with standardized patients and integration with simulators, audio-video technology, design and planning, engineering, configuration, installation, training, and one-call support for both software and hardware.

Although the success of your clinical simulation program largely relies on educators, as simulation management technology and methodology become more sophisticated, it is important for sim tech staff to be an ongoing partner for planning, maintenance, and problem solving. Sim tech staff need to interact not only with internal stakeholders but also with external simulation center management companies such as EMS to ensure that: all communication lines are open to make sure needs and requirements are perfectly clear; continuous engagement is maintained before, during, and after a clinical simulation center is built; common ground is established between the educators, planning, and tech staff for successful outcomes.

Since its founding in 1994, EMS has established a reputation for delivering superior and dependable solutions and providing unprecedented levels of customer service and support keeping our customers on the leading edge.

www.SIMULATIONiQ.com
GOLD SPONSOR: CAE HEALTHCARE

CAE Healthcare is a medical simulation company with a mission to improve healthcare education and patient safety. We design and build products for patient simulation, surgical simulation, ultrasound simulation and clinical simulation management. Our global adjunct faculty and clinicians develop medical simulation scenarios for medicine, nursing, health sciences, hospital systems and the military.

Our commitment to quality, lean manufacturing and world-class customer service is unmatched, allowing us to deliver innovative healthcare simulation training products and solutions to our customers in more than 60 countries around the world. Let CAE Healthcare be your trusted medical simulation training partner.

From full motion flight simulators to simple part-task trainers, CAE are passionate about technology and innovation. It is amongst the Gathering of Healthcare Simulation Technology Specialists we are discuss, demonstrate and educate on our new and existing platforms but also to fuel our inspiration to meet the needs of all those working in the field of healthcare simulation.

LEARN MORE AT WWW.CAEHEALTHCARE.COM
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.

LEARN MORE AT WWW.LAERDAL.COM
GOLD 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.

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 then 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.

LEARN MORE AT WWW.LEVEL3HEALTHCARE.COM
GOLD SPONSOR: SIMNEXT

As a member of the OSF HealthCare and Jump Trading network of brands, SIMnext is the team of product architects developing new technology and product solutions to leverage within our corporate structure and to license to the healthcare industry through our network of manufacturing and distribution partners. Because OSF is a working healthcare enterprise and is continually generating new patient data, we are able to provide data-driven and fully tested product solutions that offer the most realistic and portable simulation in the market.

Our partners are facing a changing healthcare landscape that is becoming more and more accepting of simulation technologies and is beginning to look for the next generation of product solutions as the industry continues to expand. SIMnext is a medical simulation brand, and we will concern ourselves with the issues and challenges facing our partners in healthcare simulation and training, as well as those impacted by issues in the industry. Our unique access to patient data and industry expertise offer us unique insights, and we will always strive to use this advantage to the benefit of our partners and the healthcare industry.

This is an exciting time for simulation training. As new simulation innovations develop in healthcare and in outside industries, the industry will continue to expand and offer new challenges as well as new opportunities for growth. There are new trails to be blazed and ideas to pursue that will make healthcare around the world stronger and more effective. The SIMnext team of the experts and our network of partners are committed to providing thought leadership wherever and whenever possible to expand the value of simulation and improve patient outcomes across the industry.

LEARN MORE AT WWW.SIMNEXT.COM
Health Scholars is an interactive, self-contained learning encounter. It is developed by the nurses at OSF to help standardize nurse education across the spectrum of experience using mobile technology. The first-hand experience of the OSF nursing team across a wide field of specialties paired with the advanced technological capabilities of SIMnext and CSE Software Inc., have created a new standard for nurse education.

CSE Software Inc.
CSE Software Inc. is a privately held business headquartered in Peoria, Illinois, USA. CSE designs and develops interactive digital resources including website, eLearning/mLearning, mobile, simulation and Serious Games development. CSE also offers Help Desk Support and sister company, Simformotion™ LLC offers Simulation Sales and Marketing services on a global scale.

SIMnext
SIMnext is a privately held company located in Peoria, Illinois. It is the product-engineering arm of the OSF Healthcare System and Jump Trading Simulation & Education Center. SIMnext is built on a culture of open, agile exploration with partners, including the University of Illinois Schools of Medicine and Engineering, that enables its team of engineering, medical and business experts to aggressively pursue answers to complex healthcare simulation and training problems. Through this model it is able to offer our partners and clients fully tested, nuanced products that are the key to developing healthcare expertise.

"Any sound, anywhere!" has been the theme of Lecat’s Ventriloscope since its debut at IMSH in 2008. Now in almost 300 institutions in 15 countries, this versatile device has enhanced simulations by putting abnormal sounds on standardized patient actors, but can also be used with ANY mannequin, as well as small and large group teaching. SPs and inexperienced operators can learn to use it very quickly, freeing up the sim tech for more complex tasks. In this way, throughput of the center can increase greatly, with multiple rooms operating simultaneously. It allows for instant comparisons of sounds, aiding differentiation of S3 and S4 gallops for example.

We have the largest, highest quality sound library available, but the Ventriloscope can use ANY MP3 file. It also allows the instantaneous simulation of any blood pressure, including auscultatory gap and pulsus paradoxus. Though simple, it is robust and tough. In FCC testing, it was put through numerous 10,000 volt static shocks, multiple falls from a height of about 5 feet, as well as temperatures of minus 20 to plus 50 Celsius as well as humidity extremes. At its core is a highly developed communications chip, several generations beyond “Bluetooth®.” In fact, several of those who developed Bluetooth® went on to work on our chip. The sound message “hops” among 38 channels for absolute security and messages are sent until a confirmation is received automatically by the other unit. The clearest channel is automatically selected by the chip. It was one of only 25% of devices to pass the FCC requirements on the first try. It is lightweight and portable for use in the field with appropriate protective measures. As standard 3.5mm jack allows sounds to be played through high quality speakers and recorded for testing purposes.

Since 2008, we have developed the heart and lung triggers, which allow synchronization of heart sounds with the pulse of a human or mannequin to allow teaching of cardiac sound timing. The lung trigger, allows use of any MP3 file, anywhere on a mannequin with a moving chest wall or inflatable lungs. Now, we are releasing “Minnie” the first hybrid physical diagnosis teaching system with integrated interactive cases, and physical diagnosis pearls in video format. This system can be used by an individual student, physical exam lab partners, or even those attending a lecture! The inventor, Paul Lecat, MD, is a passionate teacher of physical diagnosis and a professor of Internal Medicine and Pediatrics. Visit Ventriloscope.com for more information and brief videos!
Vosaic is focused on providing video analysis and training solutions that inspire, motivate and innovate. We passionately believe that our role is to unlock human potential and bring about significant change for good. It is part of our ethos and we achieve this through a collaborative approach to our work. Our openness to new thinking and our willingness to share ideas and knowledge empowers us to help organizations and individuals to create and share powerful insights.

We pride ourselves on having a deep understanding of the different industries we serve, which gives us a true understanding of the needs of our clients. Our primary industry focuses include: healthcare, education, research, professional development, and emergency response and armed services. However, Vosaic is agile and customizable, and is suited to a broad range of uses.

Sophisticated Video Analysis tools Studiocode, iCoda are the right tools to Capture & Analyze Performances on Video, Engage Learners and Improve Outcomes.

Learn more at http://vosaic.com/
The leader in innovative auscultation simulation and hands-on interactive training systems.

For over forty 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.

Formerly known as “the specimens division” of the Shimadzu Corporation during the Meiji Period, Kyoto Kagaku was founded in 1948 in post-war Japan. Now in the wake of medical advancement, our activities are widely involved in the field of scientific education through development of simulation models and phantoms to support healthcare professionals throughout the world. We believe it is our duty not only to deliver quality products to the present generation, but also to invest in the future, and Kyoto Kagaku will continue to pursue innovation to provide state-of-the-art technology. Our nation’s high proportion of elderly citizens has brought the demand for quality medical practice to unprecedented standards. In the last decade, globalization has also left an expansive impact on our economy, and we are watching our international audience grow on a daily basis. It is our duty, then, to contribute to the advancement of medical education worldwide and better meet the needs of our community. We also believe in fostering a safe and effective class experience while enhancing the individual’s practice to capture an all-encompassing learning environment. From clinical to communication skills, our products will provide an enriching training space to refine user skills that will be applicable throughout various medical fields. Finally, Kyoto Kagaku strongly believes in the power of innovative research to help address the needs of its educational goals. In honing these skills and producing the highest quality materials, we hope to reach a global audience to help build challenging and rewarding learning environments.
OtoSim, Inc. is the leading innovator in otoscopy and ophthalmoscopy simulation and training tools. OtoSim 2™, PneumatoSim™, and OphthoSim™ simulation systems include motion-tracking examination devices, libraries of clinical scenarios, and a series of interactive self-examinations to bridge the training gap between the classroom and the clinic, enabling trainees to develop skills to excel in the clinical environment.

Clinical studies have shown a doubling in diagnostic accuracy with OtoSim™ simulators offering 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 smaller groups.

For more information, please visit us at www.otosim.com or contact us at 1-647-792-7735 or by email: sales@otosim.com.

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 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 NEW customer-friendly website: www.pocketnurse.com

At Pocket Nurse®, exceeding the expectations of our customers is our primary goal!
The School of Nursing & Health Professions at the University of San Francisco advances the mission of the university by preparing health professionals to address the determinants of health, promote policy and advocacy and provide a moral compass to transform health care in order to further equity and positively influence quality, delivery, and access.

The mission of the School of Nursing & Health Professions (SONHP) is to advance nursing and health professions education within the context of the Jesuit tradition. The school uses dynamic and innovative approaches in undergraduate and graduate education to prepare professionals for current and future practice domains. The goal is to effectively link classroom, clinical and field experiences with expectations for competence, compassion, and justice in health care, protection and promotion within the context of the highest academic standards.
Are you a master specialist of the simulation technology arts? Know you have what it takes to become the Highlander of SimGHOSTS? (There can be only one). Then grab your packs and sign up for the “Bug-Busters” Simulation Technician Troubleshooting competition. Sign up for the challenge during the survey portion of your SimGHOSTS 2016 AUS event.

THE CHALLENGE

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

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

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

COMPETITION SCHEDULE

Bug-Busters rounds will take place on August 3rd and 4th during morning and afternoon breaks, as well as during lunch.

Final Round will take place at the end of the day on August 4th, 5:15 PM - 6:15 PM during our Awards Ceremony.

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

PRIZES

Grand Prize: Free Registration to SimGHOSTS 2017 Event & Secret Surprise Award of Awesome

2nd Prize: $100 Amazon Gift Card

3rd Prize: $50 Amazon Gift Card
### AUGUST 2: PRE-SYMPOSIUM

**12:00 PM**  
**REGISTRATION OPEN**

**1:00 PM**  
**PRE-SYMPOSIUM WORKSHOPS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td></td>
<td><strong>P2 - TECHNIQUES OF THE REAL OR WE CAN’T TELL YOU WHAT THE MATRIX IS</strong></td>
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<td><strong>SIMULATION TECHNOLOGY</strong></td>
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<td><strong>P7 - GETTING AWAY FROM THE MANIKIN: MAXIMIZING CADAVER PROCEDURE SKILLS CAMP</strong></td>
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<td><strong>MEDICAL / CLINICAL TOPICS</strong></td>
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<td><strong>P5 - LAERDAL CALLING: “ALL HANDS-ON TECH!” - $50</strong></td>
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<td><strong>SIMULATION TECHNOLOGY</strong></td>
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<td><strong>P4 - TRAUMASIM ADVANCED MOULAGE COURSE - $125</strong></td>
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<td><strong>MOULAGE TECHNOLOGY</strong></td>
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<td><strong>P6 - CAE HEALTHCARE ESSENTIALS OF THE MATERNAL FETAL SIMULATOR AND VIMEDIX OBGYN - $50</strong></td>
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**5:00 PM**  
**END OF PRE-SYMPOSIUM WORKSHOPS**
AUGUST 3 - MORNING

8:00 AM  REGISTRATION & EXHIBIT HALL OPEN

8:30 AM  WELCOMING REMARKS

9:00 AM  KEYNOTE ADDRESS: JOHN VOZENILEK, MD, FACEP

10:00 AM  BREAK & EXHIBIT HALL OPEN

10:30 AM  **SESSION BLOCK A**

A2 - GETTING THE ANGLES - HOW TO CAPTURE THE AV AND AUDIO DIFFERENT SIZED ROOMS WITH THE RIGHT EQUIPMENT AND PLACEMENT!

A1 - A NOVEL APPROACH TO MILITARY SIMULATION

A3 - THE VIEW OF THE SIMULATION

A5 - WHO IS ADDIE AND WHO CARES? HOW BASICS OF INSTRUCTIONAL DESIGN AFFECT SIMULATION

A4 - TAG YOU'RE IT!...NOW WHAT?

A6 - MOBILE SIMULATION AT THE UNIVERSITY OF MISSOURI

11:30 AM  **SESSION BLOCK B**

B4 - TRAUMASIM OVERVIEW SESSION

B1 - ONBOARDING OF NEW SIMULATION TECHNICIANS

B2 - IN SITU CART DEVELOPMENT

B3 - EDUCATING THE EDUCATOR

B5 - EMS PLATINUM SPONSOR PRESENTATION

B6 - CAN'T WE ALL JUST GET ALONG? CONFLICT RESOLUTION TIPS AND TRICKS
### AUGUST 3 - AFTERNOON

#### 12:30 PM
**LUNCH & EXHIBIT HALL OPEN**
- **V5** - MEET YOUR VENDOR: CAE HEALTHCARE
- **V1** - MEET YOUR VENDOR: LAERDAL MEDICAL
- **V2** - MEET YOUR VENDOR: LEVEL 3 HEALTHCARE
- **V3** - MEET YOUR VENDOR: SIMNEXT

#### 1:30 PM
**GET REAL: TELLING YOUR AUTHENTIC STORIES ACROSS ALL RELEVANT CHANNELS FOR LONG-TERM SUCCESS**  
CHRISTOPH TRAPPE

#### 2:30 PM
**SESSION BLOCK C BY GOLD SPONSORS**
- **C1** - DISCOVER SIMMAN ALS AND PREMATURE ANNE  
  **SIMULATION TECHNOLOGY**  
  **PAGE 29**
- **C5** - UNDER THE HOOD OF CAE'S APOLLO  
  **SIMULATION TECHNOLOGY**  
  **PAGE 29**
- **C2** - AV9000 - INTRODUCTION TO AV QUALITY MANAGEMENT  
  **SIMULATION TECHNOLOGY**  
  **PAGE 29**
- **C3** - DEMONSTRATION OF A NOVEL ADJUNCT TO CHEST TUBE SIMULATION TO ASSESS POST-INSERTION TROUBLESHOOTING  
  **SIMULATION TECHNOLOGY**  
  **PAGE 29**

#### 3:20 PM
**BREAK & EXHIBIT HALL OPEN**

#### 3:40 PM
**SESSION BLOCK D**
- **D1** - OPTIMIZING YOUR SIMPAD AND NOW...SIMPAD PLUS!  
  **SIMULATION TECHNOLOGY**  
  **PAGE 30**
- **D5** - UNDER THE HOOD OF APOLLO, EXTENDED SESSION  
  **SIMULATION TECHNOLOGY**  
  **PAGE 30**
- **D2** - TERMINATION 2.0 BY LEVEL 3 HEALTHCARE  
  **SIMULATION TECHNOLOGY**  
  **PAGE 30**
- **D3** - SIMULATING SIMULATION PLANNING  
  **GENERAL EDUCATION**  
  **PAGE 30**
- **D4** - TRAUMASIM MOULAGE FUNDAMENTALS  
  **MOULAGE TECHNOLOGY**  
  **PAGE 30**
- **D6** - PRODUCING EFFECTIVE SIMULATION MEASUREMENTS  
  **GENERAL EDUCATION**  
  **PAGE 30**

#### 5:30 PM
**CLOSING REMARKS & GROUP PHOTO**

#### 7:00 PM
**"LOCK-IN" RECEPTION & NETWORKING EVENT**  
JUMP SIMULATION
### AUGUST 4 - MORNING & AFTERNOON

<table>
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<th>Time</th>
<th>Session/Event</th>
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<td>8:00 AM</td>
<td>REGISTRATION &amp; EXHIBIT HALL OPEN</td>
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<td>8:30 AM</td>
<td>WELCOMING REMARKS</td>
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<td>9:00 AM</td>
<td>PLENARY ADDRESS: GRACE GEPHART, ASPE</td>
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<td>10:00 AM</td>
<td>BREAK &amp; EXHIBIT HALL OPEN</td>
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<td>10:30 AM</td>
<td><strong>SESSION BLOCK E</strong></td>
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<td>E2 - INTRODUCTION TO BASIC MEDICAL EQUIPMENT</td>
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<td>E1 - SIMULATION CENTER BUILD: WHERE SHOULD I PLUG IN?</td>
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<td>E6 - DEVELOPMENT OF A SIMULATION ORIENTATION PROGRAM TO ASSIST IN MITIGATING STUDENT ANXIETY AND ENHANCES LEARNING</td>
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<td>12:30 PM</td>
<td>LUNCH &amp; EXHIBIT HALL OPEN</td>
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<td>1:30 PM</td>
<td><strong>SIMNEXT DIY PROJECT SHOWCASE &amp; POSTER EXHIBITION</strong></td>
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<td>2:25 PM</td>
<td><strong>SESSION BLOCK F BY SILVER SPONSORS</strong></td>
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<td>F4 - IMPROVE AUSCULTATION LEARNING WITH LECAT'S VENTRILOSCOPE</td>
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<td>F2 - GETTING THE ANGLES - HOW TO CAPTURE THE AV AND AUDIO IN DIFFERENT Sized ROOMS WITH THE RIGHT EQUIPMENT AND PLACEMENT!</td>
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AUGUST 4 - AFTERNOON, CONT'D

3:25 PM  SESSION BLOCK G

G5 - DUAL-SIMULATION: AUGMENTING TECHNOLOGIES TO ACCOMMODATE MULTI-PATIENT SCENARIOS
AUDIOVISUAL TECHNOLOGY  PAGE 36

G2 - GET ORGANIZED! TIPS TO KEEP YOUR LAB AND SIMULATIONS RUNNING SMOOTHLY
MANAGEMENT  PAGE 36

G4 - MOULAGE WORKSHOP FUNDAMENTALS: FROM SKINS TO BURNS
MOULAGE TECHNOLOGY  PAGE 36

G1 - TIPS, TRICKS & HACKS: HOW TO GET THE MOST OUT OF DOLLARS SPENT ON SIMULATION
GENERAL EDUCATION  PAGE 36

G3 - SIMULATION PROGRAM EVALUATION: USE WHAT YOU HAVE AND USE IT WELL.
MANAGEMENT  PAGE 36

G6 - YES... I POWERED IT OFF, AND TURNED IT BACK ON. NOW WHAT?
INFORMATION TECHNOLOGY  PAGE 36

5:15 PM  AWARDS CEREMONY & BUG-BUSTERS COMPETITION FINAL ROUNDS

AUGUST 5 - MORNING

9:00 AM  TO BOLDLY GO - THE PAST, PRESENT, AND FUTURE OF HEALTHCARE SIMULATION
LANCE BAILY, SIMGHOSTS

10:00 AM  SESSION BLOCK H

H1 - COMMON TROUBLESHOOTING FOR 3G
SIMULATION TECHNOLOGY  PAGE 38

H4 - FIDELITY AND CONTEXT IN SIMULATION: A STRATEGY TO TEACH INFECTION CONTROL
MOULAGE TECHNOLOGY  PAGE 38

H2 - CARDIOVASCULAR CARE FOR MANIKINS: IT'S SHOCKING
MEDICAL / CLINICAL  PAGE 38

H3 - USING ADOBE TO EDIT A SIMULATION VIDEO
AUDIOVISUAL TECHNOLOGY  PAGE 38

H5 - TELESIMULATION FOR LONG DISTANCE SIMULATION / TIPS & TOOLS FOR SIM ENGINEER
INFORMATION TECHNOLOGY  PAGE 38

H6 - MAKING YOUR OWN IO TRAINER - $50
SIMULATION TECHNOLOGY  PAGE 38

12:00 PM  CLOSING REMARKS & FINAL EVENT SURVEYS
**P2 - Techniques of the Real or We Can't Tell You What the Matrix Is**

**SIMULATION TECHNOLOGY**  
Room Assignment TBA

- Will Enfinger  
- Roy Ridgeway  
- Christian Cannady

**LEARNING OBJECTIVES**

- Prioritize the handling of multiple stages of successful simulation.
- Identify three commonly overlooked roadblocks in simulation operation.
- Describe steps to take ensure a successful simulation.

Everyone talks about how to program a manikin, or wire AV systems, create moulage, or how to add realism but does anyone talk about how to actually DO simulation? Our goal is to educate new and used operators alike on putting all the puzzle pieces together and keeping it together. Start with the edges!

**P5 - Laerdal Calling: “All Hands-On Tech!” - $50**

**SIMULATION TECHNOLOGY**  
Room Assignment TBA

- Laerdal Medical Representatives

**LEARNING OBJECTIVES**

- Developing the skills and knowledge to keep Laerdal simulators performing optimally is essential for your simulation program. This intermediate to advanced course is designed to cover proper care and maintenance for Laerdal simulators that supports the rigorous training environment. Through facilitation, sharing of ideas, and multiple hands-on activities in an interactive rotation, learn how to perform software updates, manage inter-connectivity issues, and troubleshoot challenges. Examples of parts and assembly replacements will also be covered.

**P4 - Advanced Moulage Workshop - $125**

**MOULAGE**  
Room Assignment TBA

- Nola Pearce, TraumaSim

**LEARNING OBJECTIVES**

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

**P7 - Getting away from the manikin: Maximizing cadaver procedure skills boot camp**

**MEDICAL / CLINICAL**  
Room Assignment TBA

- Christopher Larkner  
- Shannon Egli

**LEARNING OBJECTIVES**

- How to use cadaveric specimens in skills lab training situations
- How to incorporate cadaveric specimens into manikin/ task trainers as well as full surgical interventions.
- How to repair cadaveric specimens for multiple uses.

An opportunity to work with full body cadavers and cadaveric enhanced task trainers for medical skill development. Each learner will have the chance to have hands on cadaver orientation and learn new methods to prolonging the life of the cadaver as well as ideas as to how to incorporate cadaveric specimens into task trainers that are currently developed and some that are not.

**P6 - CAE Healthcare Essentials of the Maternal Fetal Simulator and VIMEDIX OBGYN - $50**

**SIMULATION TECHNOLOGY**  
Room Assignment TBA

- CAE Healthcare Representatives

**LEARNING OBJECTIVES**

- 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.
Prior to his appointment as Vice President and Chief Medical Officer for Simulation for the Jump Trading Simulation & Education Center, "Dr. Voz" was the Director of Simulation Technology and Immersive Learning program for the Feinberg School of Medicine at Northwestern University where he provided central coordination and oversight for the undergraduate, graduate, interdisciplinary, and continuing medical education programs.

Under his direction, the medical school created additional organizational capabilities and infrastructure, building resources for educators who wish to use additional innovative learning technologies for teaching and assessment, measuring success with patient-based outcomes research.

In May of 2008, Dr. Vozenilek co-chaired the first Agency for Healthcare Research and Quality (AHRQ)-sponsored national consensus conference on using simulation research to define and develop clinical expertise. In his work at Northwestern he served as faculty for the Institute for Healthcare Research and its Center for Patient Safety, and continues to teach within its master's degree program in health care quality and safety.

He is currently the chair of the Simulation Academy within the Society for Academic Emergency Medicine and the Chair of the American Board of Medical Specialties Working Group on the use of Simulation for Maintenance of Board Certification for practicing physicians.

His use of simulation and research has included delivery of training and assessment of technical and non-technical competencies, and the use of simulation to emulate a clinical environment for workflow and process change, including electronic health care records (e.g. handoff and inter-hospital patient transfers).

These projects demonstrate his expertise in the knowledge, skills, and attitudes required to create and sustain simulations for clinical environments and produce meaningful interventions with enhance health care reliability.
A2 - Inventory - How much of this do I need and where do I put it?

**MANAGEMENT**
Room Assignment TBA

**Larry Rascon**
Scott Crawford
Eddie Luevano

**LEARNING OBJECTIVES**
Describe methods for calculating material usage, and benefits and limitations of each.

Calculate storage space requirements and solutions for limited space situations.

Identify features of management systems for automated calculation and tracking of material usage.

Simulation centers have large amounts of disposable and capital equipment. Adequate tracking and planning for resource utilization will improve your ability to provide simulation with limited downtime or waste. This course will describe many types of systems for tracking and managing inventory within a center. It will describe benefits and limitations of each, and describe inventory techniques and storage solutions.

A2 - Getting the Angles: How to Capture the AV and Audio in Different Sized Rooms with the Right Equipment and Placement!

**AUDIOVISUAL TECHNOLOGY**
Room Assignment TBA

**Education Management Solutions Representatives**

Some of the most interesting and rewarding simulations take place in areas that are difficult to record the activity in. This session is going to look at some of the solutions that Aaron Kramer and his team have come up with for capturing the audio and video in areas that weren't designed with the recording of the activity taking place in mind. We'll be looking at specific technology offerings that can help simulation center designers stretch their imagination by incorporating high fidelity simulations in spaces with unique challenges. Some of the challenges we'll cover are ambulances, helicopters, military training lanes, cramped closets and bathrooms, OR rooms with no available ceiling space and noisy areas with a lot of external activity to deal with. Please feel free to bring your challenges and imagination for an open forum discussion on how any space can be used for a simulation setting if the right tools are used.

A1 - A Novel Approach to Military Simulation

**SIMULATION TECHNOLOGY**
Room Assignment TBA

**John Eggert**
Rachel Bailey

**LEARNING OBJECTIVES**
Discuss the challenges in critical care simulation training and how to overcome these challenges.

Demonstrate fabrications such as ICP, ABG and lung bypasses for ventilator readings.

Describe audio visual fabrications in aircraft to record in low light conditions while emulating aircraft decibel intensity.

Critical Care Air Transport Team (CCATT) was developed by the Air Force to transport critically injured patients for warzones to the United States without degrading the quality of care. To train CCATT teams the simulations must duplicate these conditions as accurately as possible, including lowlight conditions while in hostile airspace. With these considerations in place an aircraft shell was created for the initial course at United States Air Force School of Aerospace Medicine. This presentation will discuss the challenges and overcoming these challenges for creating a realistic environment in which to train.

A5 - Who is ADDIE and who cares? How the basics of instructional design affect simulation.

**GENERAL EDUCATION**
Room Assignment TBA

**Evan Bartley**

**LEARNING OBJECTIVES**
Identify common phases in instructional systems design (ISD) models.

Discuss applications of steps in an instructional design model as they apply to simulation-based education.

Identify ways an instructional design model can aid in the implementation of simulation in an established healthcare education curriculum.

This presentation will overview the basic characteristics of an instructional design process used to facilitate the implementation of simulation in healthcare education. The ADDIE model is a well-known Instructional Systems Design (ISD) model that helps guide the process of forming effective instruction. From a simulation specialist perspective, it is helpful to identify the steps within an ISD model when simulation is being implemented in a new or existing healthcare education curriculum.

A3 - The View of the Simulation

**MANAGEMENT**
Room Assignment TBA

**Billie Paschal**
David Smith

**LEARNING OBJECTIVES**
Describe what each side “thinks” happens before the Simulation begins.

Explain what each “view” really does to make the magic happen.

Share tools that have helped create better communication with all parties.

Simulation looks different from each perspective, Faculty and Specialist. Using humor to give each “view” their time to explain what they think/know to be involved in simulation education. We will share trials and tribulations that created this gap at North Central Texas College. We will share the tools that have been created in our space that have started closing this gap.

A6 - Mobile Simulation at the University of Missouri

**SIMULATION TECHNOLOGY**
Room Assignment TBA

**Dena Higbee**

**LEARNING OBJECTIVES**
Identify the required tools for successful mobile simulation

Discuss the limits and advantages of mobile simulation

Explain minimum technological requirements for a mobile simulation unit

This presentation will include a discussion of the inception, creation and ongoing development of mobile simulation tools at the University of Missouri. Attendees will get to learn how the University’s tools are used to bring simulation education to rural healthcare providers. The session will conclude with a tour of the University’s mobile simulation unit.
SESSION BLOCK B: AUGUST 3, 11:30 AM - 12:20 AM

**B4 - TraumaSim Overview Session**

**MOULAGE TECHNOLOGY**

Room Assignment TBA

**Nola Pearce**

TraumaSim has been creating and implementing creative moulage techniques and solutions throughout Australia. This session will give attendees the chance to learn about some of the tried-and-true methods of creating realistic moulage.

**LEARNING OBJECTIVES**

- Compare the multiple techniques of healthcare simulation moulage
- Understand combining techniques to increase the reality of a scenario
- Demonstrate the specific moulage techniques

Come with your questions for this passionate and skilled moulage artist.

**B5 - Platinum Sponsor EMS Presentation**

**SIMULATION TECHNOLOGY**

Room Assignment TBA

**EMS Representatives**

Specific content TBA.

**LEARNING OBJECTIVES**

- Define what conflict is and how it affects working environment
- Recognize and understand the steps for conflict resolution
- Examine how steps can be used when communicating to faculty and facilitators

**B1 - Onboarding of New Simulation Technitions**

**MANAGEMENT**

Room Assignment TBA

**Marcy Pardee**

Explain the process that our center developed to onboard new sim techs. I will describe the strategies, planning, implementation, and review of the orientation process and what our center did to make it work. I will discuss my own experiences and why I felt the need to implement and propose a better onboarding system for our techs.

**LEARNING OBJECTIVES**

- Discuss the need for a structured orientation for simulation technicians.
- Explain the onboarding and orientation process that was designed within our simulation center for new technicians.
- Evaluate the results from technician surveys in order to make changes to onboarding process.

**B3 - Educating the Educator**

**MANAGEMENT**

Room Assignment TBA

**Amy Wise**

After our center was tasked with obtaining an international accreditation we had many things to take into consideration. The one area that documentation was lacking was professional development. After taking a look at how we educated our educators we started there. We would like to share what we did, what we now do and how we got there.

**LEARNING OBJECTIVES**

- Share and discuss the standard regarding Professional Development.
- What we are currently doing for professional development.
- How we got to where we are and how it can be implemented anywhere.

**B2 - In Situ Cart Development**

**AUDIOVISUAL TECHNOLOGY**

Room Assignment TBA

**Kyle Formella**

Have sticker shock from shopping for mobile in situ recording solutions? Learn how Jump Simulation assembled their own portable in situ cart capable of recording simulations on a meager budget.

**LEARNING OBJECTIVES**

- Identify the core requirements for an in situ mobile recording solution.
- Understand the equipment and software options.
- Witness how Jump’s in situ cart provides recording and facilitates debriefing.

Come see our mobile in situ cart first hand and learn about how you too can have your in situ needs met on a reasonable budget.

**B6 - Can’t We All Just Get Along? Conflict Resolution Tips and Tricks**

**MANAGEMENT**

Room Assignment TBA

**Monica Sharick**

Have you ever had a small dispute with either a faculty member or co-worker? How do you approach a facilitator about an issue or suggest a potentially better way to carryout a simulation? This 50 minute presentation will present helpful tips and tricks to approaching those difficult conversations, along with handling conflict resolution. Use and practice conflict resolution techniques within class so learners can walk away with an understanding of best practices for conflict resolution.
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.
CAE HEALTHCARE PLENARY ADDRESS
GET REAL: TELLING YOUR AUTHENTIC STORIES ACROSS ALL RELEVANT CHANNELS FOR LONG-TERM SUCCESS

Christoph Trappe
Chairman (Midwest, US), Internet Marketing Association
Director of Content Marketing, MedTouch

Bio:
Christoph Trappe (aka The Authentic Storyteller™) is a career storyteller who has worked as a journalist, a nonprofit executive, and a content marketing strategist and consultant. He is a global keynote speaker, frequent blogger and author. His digital initiatives have been recognized globally. He is currently helping hospitals across the United States share their authentic stories. The IMA named him Internet Marketer of the Year in 2015.

He is a globally-recognized content marketing expert who frequently speaks at global conferences about social media, blogging and results-oriented storytelling strategies. The Content Marketing Institute acknowledged him as a 2014 and 2015 Top 100 Most Influential Content Marketer. Among other awards, he was also named a most influential content marketer on Twitter by London-based Axonn Media.

In his role at MedTouch, Christoph and his team advise healthcare brands across the United States on blogging, social media and eNewsletter strategies and how to align those strategies with patient/member/donor acquisition efforts. The team also partners closely with clients as needed to implement strategies. A key part of the team’s success is its internal engagement with physicians and leaders who actively request their guidance.

Abstract:
Social media and digital channels are a great way to connect with customers, donors, volunteers and really anyone interested in working with you. The problem is that the rules of engagement change. Sometimes daily. What doesn’t change is the need and craving by people for authentic stories that are relevant and meaningful to them.

First we have to come up with those stories, as mentioned in Christoph Trappe’s book “Get Real: Telling Authentic Stories for Long-term Success” there are six steps to get started, get organizational buy-in and continue to make it a long-term success.
SESSION BLOCK C: AUGUST 3, 2:30 PM - 3:20 PM

**C1 - Discover SimMan ALS and Premature Anne**

*Simulation Technology*

Room Assignment TBA

Laerdal Medical Representatives

**LEARNING OBJECTIVES**

- Come explore two of the latest training solutions from Laerdal. Participants will be able to delve into the mobile, durable, pre-hospital and in-hospital SimMan ALS and the realistically proportioned 25-week preterm manikin task trainer, Premature Anne. Learners will receive a head to toe overview of each with hands-on time.

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**C3 - Demonstration of a novel adjunct to chest tube simulation to assess post-insertion troubleshooting**

*Simulation Technology*

Room Assignment TBA

SimNext Representatives

**LEARNING OBJECTIVES**

- Chest tube drainage devices are a common therapy for patients in and out of the hospital setting. Clinicians are traditionally taught about troubleshooting the device at the patient’s bedside during a rarely-occurring troubleshooting event. Ideally, clinicians should be proactively prepared to respond to these rare events. Simulators paired with our reactive drainage device trainer provides the learner a realistic troubleshooting experience. This experience provides the learner with real-time feedback based upon the chosen intervention. This novel approach to training allows learners to make potential errors or delays in care in a safe learning environment.

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**C2 - AV9000 – Introduction to AV Quality Management**

*Simulation Technology*

Room Assignment TBA

Level 3 Healthcare Representatives

**LEARNING OBJECTIVES**

- Join Level 3 Healthcare’s COO, Jeremy Elsesser as he walks you through what you need to know for AV9000 quality assurance in your simulation center. In this class we will explain the importance of a thorough checklist, how to troubleshoot and complete an AV9000 audit on your simulation equipment and the questions you should be asking other AV integrators to make sure you get the best quality with your purchase.

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**C5 - Under The Hood of CAE's Apollo**

*Simulation Technology*

Room Assignment TBA

Mark McClure, Technical Trainer, CAE Healthcare

**LEARNING OBJECTIVES**

- 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.
SESSION BLOCK D: AUGUST 3, 3:40 PM - 5:30 PM

D1 - Optimizing Your SimPad and now...SimPad Plus!

**SIMULATION TECHNOLOGY**
Room Assignment TBA

Laerdal Medical Representatives

**LEARNING OBJECTIVES**

This SimPad focused session takes the learner through performing updates, basic repairs, and the use of SimPad across Laerdal’s simulator platform. This includes the SkillReporter features that are available, along with using pre-programmed SimStore scenarios. Also, explore theme creation for the SimPad System using Theme Editor.

D2 - Termination 2.0 by Level 3 Healthcare

**SIMULATION TECHNOLOGY**
Room Assignment TBA

Level 3 Healthcare Representatives

**LEARNING OBJECTIVES**

Level 3 Healthcare returns for round two of a hands on demonstration for cable termination. If you missed last year’s class at Simghosts 2015 this is your chance to get hands on experience with a soldering iron from the experts in AV simulation integration.

D3 - Simulating Simulation Planning

**GENERAL EDUCATION**
Room Assignment TBA

Matthew Guinta, Stephanie Marcincavage, Julie Martin, Kim Murphy, Sean Murphy, Jodie Orm, Billie Paschal, Vickie Slot, Amy Wise

**LEARNING OBJECTIVES**

Best methods to navigate the group-dynamics of a facilities planning project.

Appropriate balance of program elements.

Influences of pedagogy and staffing on staffing adjacencies

Ever want to design a new simulation center? Why not practice before you actually get started...

Participants will be working through two design options of a 2,500 SF [762 m] and/or 5,625 SF [1714.6m] simulation center. Small groups will be role playing specific stakeholder positions.

30-40 minutes will be reserved for debrief and sharing of each groups' experiences.

D4 - TraumaSim Moulage Fundamentals - $25

**MOULAGE TECHNOLOGY**
Room Assignment TBA

Nola Pearce, TraumaSim

**LEARNING OBJECTIVES**

Moulage improves the outcome of training by adding realism to health care scenarios and forcing participants to face realistic injuries and situations in a controlled learning environment. Moulage in nursing, medicine, paramedical and allied health simulations improves learning and takes up of skills. During this introductory workshop we will teach techniques suitable for live role players or manikins. We will cover simple techniques used to create injuries and the application and presentation of premade wounds. This workshop will spark your interest in further developing your moulage skills.

D5 - Under The Hood of Apollo, Extended Session

**SIMULATION TECHNOLOGY**
Room Assignment TBA

Mark McClure, Technical Trainer, CAE Healthcare

**LEARNING OBJECTIVES**

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.

Extended session affords extra time for those wishing to have in-depth conversations with CAE Healthcare. Recommended for current users of CAE Healthcare patient simulators.

D6 - Producing effective simulation measurements

**GENERAL EDUCATION**
Room Assignment TBA

Yixing Chen

**LEARNING OBJECTIVES**

As simulation evolves into a mandatory role in education, the need for effective simulation assessment becomes more critical. With the correct assessment tool design, simulation specialist will be able to receive feedbacks to evolve and adapt to the learners' wants and serve the faculty with better needs. However, poor survey or questionnaire design are unproductive and often a waste of resource for everyone involved. I will be showing in this presentation how simulation specialist can effectively design, disseminate, and measure the questionnaires for simulation.

**LEARNING OBJECTIVES**

Designing productive simulation measurement questions.

Disseminating simulation measurement tool effectively.

Analyzing and visualizing simulation measurement data.
WEDNESDAY AUGUST 3, 7:00 PM - 10:00 PM

OPENING RECEPTION
NETWORKING EVENT
@ JUMP SIMULATION

COSTUME PARTY!
We'll all be strutting our stuff in costume as we mingle and dance. Show off your "geek cred" with an authentic Star Trek uniform, or dazzle everyone with your best X-Men costume! No matter what you wear, you'll be in the running for fabulous prizes!

NETWORK & CELEBRATE OUR COMMUNITY
One of SimGHOSTS' goals is to bring people together, forging connections to create national and international partnerships. Our evening reception and party offers SG16USA attendees the chance to get to know others working with healthcare simulation technology, all while having some fun!

LOCKBOX SHOWDOWN
Fancy yourself a "Puzzle Master?" Test your wits as teams compete to solve fiendishly clever puzzles in order to unlock their mysterious lockbox. If you have heard about Escape Games, this is your chance to learn more about this latest exciting group game experience! Sign up to reserve your spot today!

GAMES! PIZZA! DRINKS!
We'll have board games, video games and music to entertain you, as well as full bar service and pizza!
Grace Gephart, MEd is the Director of the PULSE Simulation Center at Arkansas Children’s Hospital. She joined the PULSE Center in 2007 as their Standardized Patient Educator and became the Director in 2013. In her tenure, she has been involved in creating and implementing numerous comprehensive simulation scenarios for multidisciplinary use, including the development and launching of a national training in patient/family communications for pediatric chaplains. In 2014, she was nominated for and received the ‘Outstanding SP Educator of the Year’ award from the Association of Standardized Patient Educators and currently serves as President on the organization’s Board of Directors. Grace is also a member of SSH, SESAM and SimGHOSTS.
E2 - Introduction to Basic Medical Equipment for Simulation Training

**LEARNING OBJECTIVES**
- Participants will have an understanding of the basic medical equipment and its use.
- Participants will learn how to apply the medical equipment knowledge for future training sessions.
- Participants will be able to troubleshoot basic equipment and learn how to fix the issue promptly.

**MEDICAL / CLINICAL**
Room Assignment TBA

Lizzy Wooley  
Nick Brauer

In this session, you will have an opportunity to learn about equipment that is often used in the simulation training setting. Not only will participants learn about common medical supplies and equipment, they will gain insight and practical knowledge thru a hands-on experience. This is a very basic level course intended for individuals with little or no medical background.

E1 - Simulation Center Build: Where Should I Plug In?

**AUDIOVISUAL TECHNOLOGY**
Room Assignment TBA

Eddie Luevano  
Scott Crawford

**LEARNING OBJECTIVES**
- Describe connection types and wiring usage within a simulation center, and what should be standardized.
- Identify common build problems and unique solutions to solve wiring and adaptability within your center.
- Learn how to read basic wiring and elevation diagrams for building and construction design.

This course will describe the commonly needed infrastructure requirements within a simulation center. We will describe how to bring several disparate systems to work together, demonstrate the function of tone generators and continuity testing devices, as well as reviewing general expectations for plenum space cable runs, physical firewall access and cable ladder use. We will also showcase superlative design features and common pitfalls from other center builds encountered around the country and around the world.

E4 - Moulage for Manikins

**MOULAGE TECHNOLOGY**
Room Assignment TBA

Will Enfinger

**LEARNING OBJECTIVES**
- You will be able to demonstrate at least three techniques of manikin moulage.
- You will be able to properly prepare manikins for moulage and effects.
- You will be able to cite resources for moulage creation and reference.

Sure, you can make a black eye on your classmate with aplomb! But, does that skill translate to plastic flesh? Is that blood going to stain your manikin? Will that gelatin actually stay in place? Just why does your bruise look like a rather dark finger painting? Can you make a three dimensional wound? I can tell you how to make your manikin look great... and stay clean.

E5 - Creative Faculty Development: One Size Does Not Fit All

**GENERAL EDUCATION**
Room Assignment TBA

Alisha Harter  
Bruce Williams

**LEARNING OBJECTIVES**
- Recognize the relationship between effective faculty development and the safe learning environment.
- Appreciate the importance of engaging simulation faculty in professional development through time efficient and leveled design.
- Identify simulation users within the learner, AoA’s organization in need of professional development.

Simulation-based education is a shiny new tool in our education tool-belts. Faculty development is an imperative step in ensuring that the power of simulation is used for good and not evil. Our simulation faculty development program is unique in that it has been designed to provide simulation users a leveled and, if appropriate, an ala-carte approach to faculty development. Discover how our collaborative faculty development program creatively addresses diverse faculty needs in both the academic and hospital setting.

E3 - Overcoming Limitations Of The High Fidelity Simulators With The Use Of An Innovative Scenario Design

**SIMULATION TECHNOLOGY**
Room Assignment TBA

Brian Wallenburg

**LEARNING OBJECTIVES**
- Enhance High Fidelity Scenario Programming
- Enhance High Fidelity Scenario Design
- Improve your overall delivery of simulation

Programming Laerdal scenarios can be time consuming, tedious and require a significant amount of training. At the Parry Center for Clinical skills and Simulation of the University of South Dakota, we have developed a technique (the HUB) to easily and quickly create scenarios that are effective, flexible and easy to operate. It does not require modification of the original simulator and can be used with other simulators from CAE Healthcare and Gaumard Scientific Company after appropriate adjustments.

E6 - Development of a Simulation Orientation Program to Assist in Mitigating Student Anxiety and Enhances Learning

**MANAGEMENT**
Room Assignment TBA

Debra Bucher  
Molly Martin

**LEARNING OBJECTIVES**
- Exploration of the literature supporting the need for a student orientation program for simulation
- Preview of Parkland College Health Profession Simulation Orientation Program
- Description of the development process of the Simulation Orientation Program

Faculty representatives under the direction of the Simulation Council of Parkland College Health Professions created an Orientation Program that introduces new and returning health professions students to simulation. The program was developed to provide student participating in simulation an overview of simulation, introduction to the simulation environment, what to expect in simulation and the expectations of students during simulation. The goal of the Orientation Program to Simulation was to mitigate one source of student anxiety thus enhancing student learning.
THURSDAY, AUGUST 4, 1:30 PM - 2:30 PM

DIY PROJECT SHOWCASE & POSTER EXHIBITION
SPONSORED BY SIMNEXT

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

Poster & Project Submissions still being accepted here!
### F1 - Mobile Learning Solutions with Health Scholars

**SIMULATION TECHNOLOGY**
Room Assignment TBA

**Health Scholars Representatives**

**LEARNING OBJECTIVES**
- Identify the major components of the Health Scholars platform
- Discuss the possible applications of the Health Scholars platform
- Explain the functions of the administrative dashboard of the Health Scholars platform

Health Scholars is the industry’s first standardized, measurable, mobile learning solution that allows collaborators with clinicians and preceptors. The Health Scholars platform offers learners a self-paced, value-based environment to demonstrate competency at the bedside. The courses are quick, interactive experiences that allow the clinician to engage and test their knowledge. Topics such as medication safety, hospital acquired infections and blood transfusion are at the fingertips of availability for the clinician. Didactic training lectures that may traditionally have taken 1 to 2 hours of in-seat passive learning time, are now transitioned into short 15 minute, active learning opportunities. A back-end administrative dashboard provides the preceptor, instructor, director—or even the chief nursing officer—an easy view of education disbursement, frequency and competency. The mobile platform and several courses will be demonstrated during the session.

### F2 - Getting the Angles: How to Capture the AV and Audio in Different Sized Rooms with the Right Equipment and Placement!

**AUDIOVISUAL TECHNOLOGY**
Room Assignment TBA

**Education Management Solutions Representatives**

**LEARNING OBJECTIVES**
- Some of the most interesting and rewarding simulations take place in areas that are difficult to record the activity in. This session is going to look at some of the solutions that Aaron Kramer and his team have come up with for capturing the audio and video in areas that weren’t designed with the recording of the activity taking place in mind. We’ll be looking at specific technology offerings that can help simulation center designers stretch their imagination by incorporating high fidelity simulations in spaces with unique challenges. Some of the challenges we’ll cover are ambulances, helicopters, military training lanes, cramped closets and bathrooms, OR rooms with no available ceiling space and noisy areas with a lot of external activity to deal with. Please feel free to bring your challenges and imagination for an open forum discussion on how any space can be used for a simulation setting if the right tools are used.

### F3 - Powerful Performance Analysis with StudioCode

**AUDIOVISUAL TECHNOLOGY**
Room Assignment TBA

**StudioCode Representatives**

**LEARNING OBJECTIVES**
- Representatives from our Silver Sponsor StudioCode will show how their company’s technology enhances learner engagement during simulation and powers debrief with targeted video.

Representatives from our Silver Sponsor StudioCode will show how their company’s technology enhances learner engagement during simulation and powers debrief with targeted video.
LEARNING OBJECTIVES

Define the need behind multi-patient simulation.

Identify technical modifications to a current simulation lab to accommodate multi-patient simulations.

Identify common technical obstacles of implementing multi-patient simulation.

G2 - Get Organized!
Tips to Keep Your Lab and Simulations Running Smoothly

MANAGEMENT

Room Assignment TBA

Mark Johanneck

LEARNING OBJECTIVES

Gain ideas on how to effectively plan a simulation case.

Gain ideas on how to organize equipment in the simulation lab.

Gain ideas on how to ensure all lab staff can set up for a simulation with confidence.

G4 - Moulage Workshop Fundamentals: From Skins to Burns

MOULAGE TECHNOLOGY

Room Assignment TBA

Aleksandra Wojtowicz

LEARNING OBJECTIVES

Differentiate the process, mixture and cure time for a variety of silicone-based products.

Construct skin reinforcements, making suture pads and injection pads, and assess their utilization in all simulation.

Recognize the various consistencies and colors while making basic skin layers.

G6 - Yes... I Powered it Off, and Turned it Back On. Now What?

INFORMATION TECHNOLOGY

Room Assignment TBA

Cole Boeve

LEARNING OBJECTIVES

Discuss basic IT/AV terminology that can be expanded to support ongoing Institutional Research efforts.

Discuss trouble shooting techniques that will assist the non IT/AV Sim Tech.

Share easy to use resources that will assist the non IT/AV Sim Tech.

G1 - Tips, Tricks & Hacks:
How To Get The Most Out Of Dollars Spent On Simulation

GENERAL EDUCATION

Room Assignment TBA

Brian Wallenburg

LEARNING OBJECTIVES

How to provide cost saving techniques.

How to provide time saving techniques.

How to provide equipment saving techniques.

Simulation is expensive and continues to rise in costs. Conversely, the budget typically shrinks as your center ages. At the Parry Center for Clinical Simulation we try to get the most out of our equipment, software and employees to operate at a high level. In order to do this, we had to come up with functional ways to save without decreasing the level of simulation we offer. Many of the things we have instituted are cost effective, simple and easy to use. This presentation will be podium based with PowerPoint, but will include demonstrations on what we do, how we do and how it effects the bottom line.

Simulation bridges both didactic education and clinical skills in order to allow students to make critical mistakes in a secure environment. Simulationists strive to create the most realistic training setting. Moulaging techniques enhance the realism of simulation and thus is crucial. Moulage helps minimize the gap of lack of realism in medical simulation. Whether it may be making basic skins and wounds on a mannequin or on a standardized patient, moulage enhances the simulation experience. The purpose of this workshop is to be able to understand and construct basic skins and injuries.

As a Sim Tech with primarily a medical background, I quickly learned that medical simulation has the need and draws people from multiple specialties and vocations. Which makes it an exciting and sometimes challenging field to be in, as you need to grow professionally in each of these specialties one way or another. Together we will cover simulation IT/AV troubleshoiting, basic to novice terminology and more professionally in each of these specialties one way or another. Together we will cover simulation IT/AV troubleshoiting, basic to novice terminology and more importantly, share quick and easy resources to help make your job easier.

This will be a modified presentation to open up discussion to help you grow as a Simulation Technician or Specialist.

This presentation overviews our institution’s effort to incorporate multi-patient scenarios in an undergraduate nursing curriculum and the audiovisual adaptations we employed to make it successful. An important characteristic of simulation in healthcare education is that it matches clinical practice and every nursing student will be expected to provide care for multiple patients at once. Our goal is to provide realistic environments for the students where interaction with multiple patients is seamless and transparent. This transition brought on a number of technical challenges and required new equipment along with the adaptation of existing equipment.

Every simulation lab faces challenges of planning new cases and events, ensuring rooms and equipment are properly set up and dealing with how to organize all of the various medical equipment needed to effectively run simulation. This session will provide some tools and tips on how to keep everything organized and running smoothly. We will get the discussion started and work as a group to provide some concrete examples of how we plan our events, manage our equipment and supplies.

This presentation will show how to design a simulation program evaluation plan, develop the data dictionary, pilot data collection methodologies, and develop a reporting strategy. Data collection and storage tools used are all available in MS Office. The ultimate goal is to have an ongoing program evaluation process that (a) meets the needs of the simulation program for quality assurance/improvement, (b) meets the SSH Accreditation requirements, and (c) can be expanded to support ongoing institutional research efforts.

This presentation will be a modified presentation to open up discussion to help you grow as a Simulation Technician or Specialist.

A Sim Tech with primarily a medical background, I quickly learned that medical simulation has the need and draws people from multiple specialties and vocations. Which makes it an exciting and sometimes challenging field to be in, as you need to grow professionally in each of these specialties one way or another. Together we will cover simulation IT/AV troubleshoiting, basic to novice terminology and more importantly, share quick and easy resources to help make your job easier.

This will be a modified presentation to open up discussion to help you grow as a Simulation Technician or Specialist.
FRI DAY AUGUST 5, 9:00 AM - 10:00 AM

LEVEL 3 HEALTHCARE PLENARY ADDRESS: TO BOLDLY GO - THE PAST, PRESENT, AND FUTURE OF HEALTHCARE SIMULATION

Lance Baily, Founder & Development Director, SimGHOSTS

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

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

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

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

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

Finally, Lance will explore how the historical and cultural forces that are now in motion will transform healthcare simulation as we know it from a small community of early-adopters to a universal standard embraced by all.
**SIMULATION TECHNOLOGY**

**Room Assignment TBA**

**Nick Brauer**

**LEARNING OBJECTIVES**

Identify SimMan 3G internal components that are likely to fail or need regular maintenance.

Be able to install, setup and adjust manikin/computer microphone.

Identify basic connectivity options for SimMan 3G and PT monitor.

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**MOULAGE TECHNOLOGY**

**Room Assignment TBA**

**Robin Wagner**

**Sarah Dawson**

**LEARNING OBJECTIVES**

Learner will identify 3 techniques to increase fidelity in Infection Control simulation.

Learner will verbalize importance of fidelity and context in the development of higher order thinking skills in prelicensure nursing students.

Learner will develop a plan to incorporate multi-sensory strategies into simulation design.

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**AUDIOVISUAL TECHNOLOGY**

**Room Assignment TBA**

**Billie Paschal**

**LEARNING OBJECTIVES**

Demonstrate how to import video into Adobe.

Explain how to choose what to cut to make a better final product.

Identify the steps to finalizing your edited video and exporting the file.

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**H2 - Cardiovascular Care for Manikins: It's Shocking**

**MEDICAL / CLINICAL**

**Room Assignment TBA**

**Brian Wilson**

**Lawrence Rascon**

**LEARNING OBJECTIVES**

By the end of the workshop, learner will be able to recognize basic EKG rhythms.

By the end of the workshop, learners will understand common treatment modalities associated with core ACLS algorithms.

By the end of the workshop, learners will be able to predict changes in physiological changes due to the chosen treatment modalities.

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**H4 - Fidelity and Context in Simulation: A Strategy to Teach Infection Control to Undergraduate Nursing Students**

This workshop will address the concept of and theory behind increasing simulation fidelity to promote use of all 5 senses. We’ll discuss science/theory and evidence behind multi-sensory immersion simulation, as well as learning styles and how understanding this allows creation of appropriate scenarios. We’ll even give everyone a chance to complete a learning styles questionnaire.

Participants will get to engage with “Sensory Moulage” stations consisting of how-to videos, scenarios and a variety of products.

Q&A discussion will conclude the session.

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**H5 - Telesimulation for Long Distance Simulation / Tips & Tools for the Simulation Engineer**

**INFORMATION TECHNOLOGY**

**Room Assignment TBA**

**Yixing Chen**

**John Davis**

**Jeff Schneiderman**

**Marc Miller**

**LEARNING OBJECTIVES**

Why is there a need for tele-simulation?

How to connect and operate tele-simulations?

Identify and diagnose some common simulation malfunctions and issues.

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**H6 - Making your own IO trainer - $50**

**SIMULATION TECHNOLOGY**

**Room Assignment TBA**

**Dustin Holzwarth**

**Brent Cross**

**Jason Farber**

**LEARNING OBJECTIVES**

Learning how to make an affordable IO trainer.

Knowledge of how we use innovation to better simulation without breaking a budget.

Being able to take a tangible, working trainer back to their simulation center.

Participants will be given 3D printed molds to make their own "Baby Leg" IO trainer using different types of DragonSkin. They will be able to leave with an IO leg that will attach to SimBaby to be used in a sim, or by itself as a great alternative to learners performing IO skills on chicken legs. This will be a very fun, hands on workshop that will have value to many of the participants. Attendees will see how Jump Simulation utilizes innovation to better our simulation experience for the learners while maintaining good stewardship with our budget.