THURSDAY, JULY 27th

7:00 AM - 8:00 AM
Radisson Hotel, Radisson Hotel Ballroom

Breakfast

Plenary Presentation
Podium Presentation – 45 minutes
8:00 AM - 8:45 AM
Radisson Hotel, Radisson Hotel Ballroom

Opening Keynote Presentation: Hollywood and Healthcare: What Can We Learn From Each Other?
Presenter: Tony Gardner

Course Overview: As a special effects master, Tony Gardner will discuss the importance of realism and the connection to be made between Hollywood and healthcare. This session will discuss the newly proposed possibilities that exist between these two worlds, ultimately supporting the most compelling reason we work in healthcare simulation, the improvement of patient safety. Challenge yourself to explore how the future of medical training could look as we imagine a world where Hollywood meets healthcare.

Objectives:
1. Discuss the concept of realism in healthcare simulation and Hollywood special effects
2. Explore the ways that realism can impact an audience
3. Consider the possibilities in medical training when Hollywood special effects and healthcare simulation collaborate
**First Do No Harm**  
*Presenters: Ann Mullen, Daniel Raemer*

Course Overview: Unanticipated and subtle hazards are lurking in the training environment. The risk of accidental misuse of simulation equipment, medications and supplies is real and should be a concern of all simulation operations personnel. This workshop will explore accidents and near misses, share mitigation strategies and best practices and solicit ideas and practices from the course participants. A Simulation Safety Pledge will be presented and discussed.

Objectives:
1. Identify at least three unanticipated hazards in the simulation training environment
2. Discuss at least three mitigation strategies to address known hazards in the training environment
3. Discuss the utility of a Simulation Safety Pledge

**Training Scars: How we are Creating Errors Through Simulation and How to Stop Them!**  
*Presenter: Andrew Spain*

Course Overview: While simulation is a valuable and effective tool at helping individuals learn and improve their healthcare skills, there is a risk when simulation is performed inappropriately--a training scar. Training scars are inappropriate or wrong knowledge, skills, and behaviors that become embedded during training and education. This session will discuss training scar concepts, and how the Operations Specialist can be critical to preventing them.

Objectives:
1. Describe the key concepts and features of training scars and the way they can occur
2. Summarize how technology in simulation can create training scars
3. List ways in which technology can be used or modified to ensure that training scars are minimized or eliminated
Virtual Patient Simulation (VPS): Experiential Learning and Impact in Continuing Medical Education (CME)
Presenters: Leah Piatt, Cassandra Torres, Martin Warters

Course Overview: A consequence-free, clinically based virtual patient simulation (VPS) allows examination of decisions made in patient care. This session provides hands-on exploration of a VPS. Discussion will address analytic approaches to VPS-generated data, their ability to offer a unique perspective into the executional barriers and their role as a catalyst for future learning. Attendees will need to bring their laptop for this course.

Objectives:
1. Describe the implementation and key benefits of VPS as an educational intervention
2. Discuss the potential impact of VPS on learners’ decision making processes in patient care
3. Explore the importance of VPS-generated data and their role in identifying knowledge and practice gaps

Efficient Systems Deliver Effective Simulations
Presenters: Laerdal Technicians

Course Overview: Learn how to help meet your faculty and staff’s learning objectives with greater ease. During this session, Laerdal technicians will introduce you to the tools and techniques they use to keep your simulators running at peak performance. We will begin by reviewing proper functionality tests utilizing our approved checklists, which participants may keep to use back at their own facility. The session will conclude with a discussion on the benefits of our latest software platform, LLEAP, including step-by-step instructions on how to upgrade your simulators and access to the resources needed for successful implementation.*PLEASE NOTE, CE CREDITS WILL NOT BE AWARDED FOR THIS COURSE.

Objectives:
1. Gain baseline knowledge of simulator functionality tests
2. Discuss the benefits of and how to complete latest software upgrades
3. Recognize the resources available to keep simulation equipment running at peak performance
A Practical Review of Anatomy and Physiology and Medical Terminology
Presenters: Sunmeng Chen

Course Overview: This workshop will utilize the platform of Jeopardy to review the participants’ knowledge on anatomy and physiology & medical terminology. The game will cover all 5 main body systems (cardiovascular, nervous, skeletal, muscular, digestive), with an extended understanding of medical terminologies (abbreviations, prefixes, suffixes, root words, medical terms). Participants will also obtain the fundamental knowledge of commonly used medical jargons.

Objectives:
1. Recognize and become familiar with the basic compositions and function of each human body system
2. Identify common medical jargons
3. Explore the root meanings of medical terminology for incorporation into daily practice

Steps for Successful Scenario Implementation
Presenters: Michael Barger, Amy Follmer

Course Overview: This course will provide attendees with information and documentation for use in simulation scenario planning. From recognizing the importance of learning objectives to “piloting” an event, preparation by a simulation operations specialist helps a simulation scenario run smoothly. Small group work will identify resources for new and unusual simulation scenario requests and allow attendees to share about favorite simulation scenarios or creative ideas.

Objectives:
1. Discuss the benefits of simulation scenario planning
2. Identify equipment technology and medication necessary to run the simulation scenario
3. Explore resources for new and unusual simulation scenario requests
11:00 AM - 12:15 PM  
Michigan State Henry Center, Atrium A150

**Lunch, SimOps Exhibition & Networking**

12:15 PM - 1:00 PM  
Michigan State Henry Center, A Quad 138-141

**Spectrum of Ideas Showcase**

Discover the newest "fixes" and ideas in healthcare simulation during this showcase of demonstrations and discussions. Low cost, low resource solutions, modifications to existing equipment, new research projects and the latest high-tech ideas will be on display.

Panel Presentation – 60 minutes  
*Professional Development*  
1:00 PM - 2:00 PM  
Michigan State Henry Center, Heritage Room

**Research and Technology Forum**

Industry representatives involved in the research and development of healthcare simulation technology will join the users of simulation equipment during this feedback session. Designed to engage both users and developers in dialogue, this valuable discussion will focus on the simulation tools and resources we use every day. Moderated by simulation experts, this session will give you the chance to ask questions and provide feedback to multiple simulation vendors. Your valuable insights into the effectiveness of current technology, ideas for future development, and feedback of current capabilities and products will be discussed.

1. Gain valuable feedback from industry representatives about simulation equipment  
2. Discover new simulation tools currently in development  
3. Provide ideas for the future to simulation R&D experts
A Review of the New INACSL Standards of Best Practice: Simulation Operations
Presenters: David Escobar, Jesika Gavilanes, H. Michael Young

Course Overview: One of the latest additions to the INACSL simulation standards is on the topic of operations in the simulation center. This session will review the background and purpose of this standard, as well as the impact on the Simulation Operation Specialist.

Objectives:
1. Explore the background and purpose of the Operations Standard
2. Review the structure of the Operations Standard
3. Discuss the impact of the Operations Standard and document feedback

An Introduction to Augmented Reality (AR) Head Mounted Displays (HMD) and the Advancing Effects on Medical Simulation
Presenters: David Barry, Cesar Pastrana

Course Overview: The course will provide an introduction to Augmented Reality (AR) Head Mounted Displays (HMD) technology as it relates to medical simulation. We will compare components of current AR-HMDs devices and application. We will also identify the advancing trends of Augmented Reality, as well as, discuss the potential future application of this technology.

Objectives:
1. Asses and compare current devices and applications of Augmented Reality-Head Mounted Display(s)
2. Identify advancing trends of Augmented Reality- Head Mounted Display(s) in multiple platforms including medical simulation
3. Discuss future potential application of Augmented Reality- Head Mounted Display(s) in medical simulation
Development and Implementation of a Mobile Simulation Program for Outreach in Rural Eastern North Carolina
Presenters: Stephen Charles, David Schiller

Course Overview: This session will describe the details of creating a mobile simulation program from scratch. An eight step process on how and why to start a mobile simulation program, identification of resources, design of a mobile unit, vehicle and center requirements, marketing, and developing curricular programs to utilize the unit will be discussed. Simulation educators will describe lessons learned from going through each phase of development.

Objectives:
1. Describe the benefits and limitations of creating and implementing a mobile simulation program
2. Identify common areas that are often overlooked in the development process of a mobile simulation program
3. Examine how a mobile simulation unit could be applied at their home institution

Low-cost, High-impact Ostomy Mini-simulation for Undergraduate Nursing Students
Presenters: Gina Fraioli, Beth Latimer, Natalya Pasklinsky, Charles Tilley

Course Overview: This course will discuss the development of a low-cost ($25.00 per student), high-impact mini-simulation that was designed to teach nursing students in virtually any setting. We will explore this one-hour intensive simulation, in which students demonstrate ostomy measurement, pouching and emptying (psychomotor domain), stoma/peristomal skin assessment and trouble-shooting of peristomal moisture-associated dermatitis (cognitive domain) and illustrate empathetic patient education (affective domain).

Objectives:
1. Discuss the benefits of providing high-impact low-cost education for under-graduate nursing students utilizing affective psychomotor and cognitive learning domains
2. Discuss the process of designing portable mini-simulation scenarios to manage the
3. Identify appropriate presimulation learning activities that include the affective psychomotor and cognitive learning domains.

**ROI Strikes Back: How to Build a Rebel Alliance to Prove Your Value**

Presenters: Ruth Lane, Paul Pribaz

Course Overview: The aim of this presentation is to introduce simulation educators and administrators to a framework for demonstrating multiple levels of value for their programs. Culminating in a Return on Investment (ROI) calculation where appropriate, learners will be able to summarize their simulation program's monetary value.

Objectives:
1. Recognize the requirements for assigning costs and calculating benefits for an identified simulation program in order to establish internal validity
2. Identify the five levels of program evaluation represented by the Phillips-Kirkpatrick ROI model
3. Identify and engage key personnel at the learners' home institutions who would participate in simulation program evaluation and assign value to learning outcomes

**SFX & Medical Simulation: A Special Relationship**

Presenters: Maeve Geary, Troy Reihsen

Course Overview: Film and Television Special Effects have long been transporting audiences to new experiences and evoking reactions. Implementing FX techniques in Medical Simulation training design can facilitate in achieving those same goals whilst rising to meet new challenges. This course will allow attendees recognize, acquire and demonstrate skills utilized in the Special Effects industry, and employ them in medical simulation.

Objectives:
1. Explore a Brief history of FX in Medical Simulation
2. Critique and differentiate the Hollywood and medical special effects capabilities and needs determining how best to facilitate their implementation
3. Appraise and participate in collaborative opportunities between the industries
The Affective Domain: How to Include it in Your Simulation Activities  
Presenter: Andrew Spain

Course Overview: The affective domain is an oft-overlooked component of simulation activity design. Research has shown that this can be a very powerful component of learning and engaging in learning. This session will explore the affective domain and ways in which it can be incorporated into the design and delivery of simulation activities--there are many ways to improve what you are doing!

Objectives:
1. Describe the affective domain
2. List ways in which the affective domain can be incorporated into simulation activity design
3. Summarize ways in which you can incorporate technological theatrical and other elements into your simulation activity design

The Journey of an In situ Maternal Hemorrhage Program  
Presenter: Micheline Chipman

Course Overview: This course will describe a four-year journey that has led to a sustainable interprofessional model of training that addresses clinical challenges in the obstetric patient population through four in situ simulations per year. This project was initiated by a physician and nurse team that wanted to improve care around obstetric hemorrhage. This session will describe successes as well as challenges to create a sustainable in situ program.

Objectives:
1. List one process to identify appropriate stakeholders for an in situ simulation program that meets a clinical need
2. Summarize two strategies to enhance communication between disciplines who have a common goal
3. Describe strategies used to facilitate an interdisciplinary debrief
3:00 PM - 3:45 PM  
Michigan State Henry Center, Atrium A150

**Refreshment Break**

Workshop – 90 minutes

*Technical Operations*
3:45 PM - 5:15 PM
Michigan State Henry Center, B107

**Bubble Gum, Duck Tape & Super Glue: Let's Fix Some Manikins**

Presenters: Hans Lamkin, Adam Dodson

Course Overview: This course will address maintenance and repair for Laerdal SimMan 3G/Essential manikins through a hands-on immersive experience. Simulation centers can be negatively impacted when manikins fail to operate optimally. Users need training to perform appropriate maintenance and repairs on their manikins. Maintaining sim operations requires becoming more knowledgeable and confident removing and replacing internal and external manikin parts.

Objectives:
1. Discuss and demonstrate common trouble areas with manikins that lead to operational problems
2. Demonstrate at least three repairs and replacement of parts for Laerdal SimMan 3G and Essential manikins
3. Demonstrate how to inspect a manikin to ensure it functions as intended

Workshop – 90 minutes

*Administrative Operations*
3:45 PM - 5:15 PM
Michigan State Henry Center, B106

**Conscious Leadership: Motivate Employee Behavior**

Presenter: Aaron Dix

Course Overview: Are you a new or aspiring manager? If so, this session will provide concrete pearls of wisdom on how to develop and hone your leadership skills. You will learn how to improve team cohesiveness, increase efficiency, rectify common communication errors, reduce drama in the workplace, and learn how to truly enjoy being a leader. We will discuss specific and relevant concepts that can implemented immediately. Join the discussion.

Objectives:
1. Discuss the essential components of Conscious Leadership
2. Identify factors that motivate employee behavior
3. List the components of effective communication
Implement a Unified Simulation Network
Presenter: Matthew Weaks

Course Overview: It’s no secret that getting high-fidelity manikins to work well on a wireless network can be challenging. In this course, we will discuss a case study of our progression from using the default Ad-Hoc wireless networks broadcast by the simulators, to utilizing a single wireless simulation network to connect all of the simulation equipment. We will focus on the benefits and limitations, as well as, how to implement this approach.

Objectives:
1. Discuss the benefits and challenges of integrating all simulation equipment to a single wireless network
2. Explore practical considerations in implementing a simulation network including working within the requirements of an IT department
3. Review the case study of Eastern Virginia Medical School’s transition to a single wireless network for simulation equipment

Moulage: The Art of Suspending Disbelief for Learning
Presenter: Tracie Barbour

Course Overview: During this course, we will look at different cases and discuss the benefits of using learning objectives to determine the level of moulage. We will have a group discussion around strategies to gauge the level of moulage needed for a scenario, how to balance the level of moulage with time and resources and discuss some DIY solutions. There will be a hands-on demonstration for attendees to practice one of the DIY techniques discussed.

Objectives:
1. Describe the benefits of tying the level of moulage to case learning objectives
2. Discuss the pros & cons of using realistic types of moulage such as blood/fluid volumes during a case versus using symbolic/verbalizations
3. Identify potential items needed to augment moulage for the purpose of portraying fluid loss
Simulation 101: Best Practices in Simulation and Debriefing
Presenters: Beth Latimer, Natalya Paskinsky, Charles Tilley

Course Overview: This course is intended for attendees new to simulation. We will focus on various types of simulation modalities, best practices for simulation based experiences (SBEs), curriculum structure and process (e.g. open simulation, medication administration simulation, course specific high fidelity simulations patient scenarios), and student outcomes addressed and enhanced by simulation in both the graduate and undergraduate nursing programs.

Objectives:
1. List three benefits of utilizing simulation in the graduate and undergraduate curriculum
2. Describe the process of faculty facilitated pre-conference simulation and debriefing strategies
3. Articulate the use of best practices for conducting a simulation

Simulation Staffing: A Recipe for Success
Presenters: Kellie Bryant, Eileen Thomas

Course Overview: This course will assist participants in creating a successful simulation team, be it for a new center or one where roles and responsibilities are being redefined. Our focus will include both objective and subjective data and consider the size, purpose, equipment, and use of the simulation center to create the right staffing.

Objectives:
1. Discuss how to assemble a team that encompasses the needs of your center
2. Utilize the monies afforded to maximize staffing for the center
3. Define roles and responsibilities of the team that allows for fluidity while providing expertise in each role
Workshop – 90 minutes
Administrative Operations
3:45 PM - 5:15 PM
Learning and Assessment Center, LAC A618 Conference Room

*Mega-Programs: Trials, Tribulations & Survival Techniques*
Presenter: Mary Kay Smith

Course Overview: This course will cover the many complexities of managing a mega simulation center including managing large standardized patients staffing pools, staffing the center, budget, space utilization, sustainability, policy and procedures, and managing resources.

Objectives:
1. Explore areas of impact on a program that is or is expected to become a “Mega-Program”
2. Identify common advantages and challenges which are unique to “Mega-Programs”
3. Develop strategies to respond to the needs of a “Mega-Program”

5:00 PM - 6:45 PM
Michigan State Henry Center, Atrium A150

*Exhibition and Networking Reception*

Come explore the latest products and services and meet our exhibitors.

7:05 PM - 9:30 PM
Lugnuts Baseball Stadium

*Lugnuts Baseball Game*
FRIDAY, JULY 28th

7:00 AM - 8:00 AM
Michigan State Henry Center, Atrium A150

**Breakfast**

Workshop – 90 minutes

**Professional Development**

8:45 AM - 10:15 AM
Michigan State Henry Center, B119

**Do you CUS? A Novel Approach Using Simulation to Deliver TeamSTEPPS**

Presenters: Shelley Claypool, Jody Nitz, Leah Rouleau, Robert Sasso

Course Overview: This session will demonstrate how the use of an interactive, live, simulation-enhanced presentation greatly augments the delivery and understanding of TeamSTEPPS. This session will provide you with an approach to deliver the TeamSTEPPS principles to your learners in a way they can relate.....and remember!

Objectives:
1. Demonstrate and explore an interactive method to deliver TeamSTEPPS key communication and mutual support concepts utilizing simulation
2. Explore and highlight the use of the SBAR Call-out and Check-Back utilized in medical communication
3. Demonstrate the effective utilization of the “CUS” mnemonic of TeamSTEPPS within the complex hierarchy of medical professions

Workshop – 90 minutes

**Technical Operations**

8:45 AM - 10:15 AM
Michigan State Henry Center, B107

**Bubble Gum, Duck Tape & Super Glue: Let's Fix Some Manikins**

Presenters: Hans Lamkin, Adam Dodson

Course Overview: This course will address maintenance and repair for Laerdal SimMan 3G/Essential manikins through a hands-on immersive experience. Simulation centers can be negatively impacted when manikins fail to operate optimally. Users need training to perform appropriate maintenance and repairs on their manikins. Maintaining sim operations requires becoming more knowledgeable and confident removing and replacing internal and external manikin parts.

Objectives:
1. Discuss and demonstrate common trouble areas with manikins that lead to operational problems
2. Demonstrate at least three repairs and replacement of parts for Laerdal SimMan 3G and Essential manikins
3. Demonstrate how to inspect a manikin to ensure it functions as intended

Workshop – 90 minutes
Administrative Operations
8:45 AM - 10:15 AM
Learning and Assessment Center, LAC A619 Multipurpose Room

Secure in Place Drill: Practicing an Active Violence Procedure
Presenters: Steve Beard, Kimberly Patterson, Barb Wirtz

Course Overview: During this session, learners will be engaged in an active violence simulation in order to demonstrate how a simulation center can practice their active violence procedure in a psychologically safe manner. Participants will leave with the knowledge to create their own active violence policy at their institution.

Objectives:
1. Create a comprehensive active violence policy and procedure for their simulation center
2. Discuss how to implement an active violence simulation in their simulation center
3. Explore ways to apply lessons learned to enhance the safety of the simulation center
Workshop – 90 minutes  
Technical Operations  
8:45 AM - 10:15 AM  
Michigan State Henry Center, A169 Amphitheater

**Technology Challenges and Concepts in Prehospital Simulations**  
Presenter: Andrew Spain

Course Overview: As we strive to enhance realism and perform more in-situ simulations, one of the more challenging settings is the prehospital setting. Be it disaster simulations, ambulance scenarios, or even outside care facilities, the technologies needed to meet the demands of these simulation settings are often quite different. This session will explore these simulation activities identifying the challenges, concepts, principles and hopefully solutions.

Objectives:
1. Explore options to improve environmental realism through real experiences of prehospital simulation educators
2. Summarize communication challenges with in situ simulation and differentiate how the various technologies (like Bluetooth IP radio) can be used
3. Explain successful debriefing practices with large group sizes that allow for psychological safety and time efficiency after prehospital simulation-based education and training

Workshop – 90 minutes  
Administrative Operations  
8:45 AM - 10:15 AM  
Michigan State Henry Center, A170 Amphitheater

**Simulation Staffing: A Recipe for Success**  
Presenters: Kellie Bryant, Eileen Thomas

Course Overview: This course will assist participants in creating a successful simulation team, be it for a new center or one where roles and responsibilities are being redefined. Our focus will include both objective and subjective data and consider the size, purpose, equipment, and use of the simulation center to create the right staffing.

Objectives:
1. Discuss how to assemble a team that encompasses the needs of your center
2. Utilize the monies afforded to maximize staffing for the center
3. Define roles and responsibilities of the team that allows for fluidity while providing expertise in each role
Workshop – 90 minutes
*Technical Operations*
8:45 AM - 10:15 AM
Learning and Assessment Center, LAC A618 Conference Room

**Prepare a High Fidelity Simulation to Orient Nursing Students to a Critical Care Setting**
Presenters: Melissa Gray, Kimberly Loomis, Zach Vandecar

Course Overview: This course will explain the process developed by the Michigan State University Learning and Assessment center to help train simulation operators and nursing educators in the basic setup, programming and moulage for ICU patient scenarios.

Objectives:
1. Define basic terms related to hemodynamic monitoring
2. Identify the moulage and set up needs to create an ICU setting
3. Discuss the basic simulator programming necessary to incorporate basic hemodynamic monitoring in a critical care scenario

11:00 AM - 12:15 PM
Michigan State Henry Center, Atrium A150

**Lunch, SimOps Exhibition & Networking**

Podium Presentation – 60 minutes
*Professional Development*
12:30 PM - 1:30 PM
Michigan State Henry Center, B108 & B110

**An Introduction of Simulation Operations and a Fundamental Approach to the Field of Healthcare Simulation**
Presenters: David Barry, Cesar Pastrana

Course Overview: This course will provide a basic introduction to medical simulation as it relates to simulation operators. We will focus on the dual roles, operator and educator, of many simulation center staff. Join us as we explore several approaches to career development, education and simulation organization involvement.

Objectives:
1. Discuss the basic responsibilities of a simulation operator
2. Identify a fundamental approach to career growth and development in healthcare simulation
3. Identify educational and professional opportunities in healthcare simulation to support personal and professional growth
3D Printing from A to Z
Presenters: Paul Pribaz, Kevin Urbain

Course Overview: The versatility and low cost of entry into the world of 3D printing offers a myriad of opportunities for designing new and innovative medical simulation devices. From the initial investment to the skills and competencies required, this course will provide a survey of 3D printing technology and terminology, as well as a review of the variety of printer models available that can facilitate rapid prototyping.

Objectives:
1. Recognize and describe concepts and terminology related to 3D printing
2. Explain the benefits of 3D printing for the field of medical simulation
3. Summarize and give examples of possible case scenarios for 3D printing in their own environment
Panel Presentation – 60 minutes
*Professional Development*
12:30 PM - 1:30 PM
Michigan State Henry Center, A170 Amphitheater

**Create a Bridge to Hollywood: What we can Learn from the Experts.**
Presenters: Maeve Geary, Troy Reihsen

Course Overview: This expert panel will include simulator developers, a novel PhD path for special effects in medicine, and high level special effects artists from film and television to bring a novel perspective on bridging the gaps between these worlds. We will focus on what we can do together to create disruptive changes in our next generation of simulators based on gaps and needs in medical simulation.

Objectives:
1. Identify and describe the synthesis and connections between medical simulation and special effects
2. Examine old and propose new methods technologies and experiences for bridging the gaps between these two worlds
3. Recommend and join in discussion with experts in these industries

Panel Presentation – 60 minutes
*Administrative Operations*
12:30 PM - 1:30 PM
Michigan State Henry Center, B119

**Goals, Goals, Goals: What Every Sim Center Should Know**
Presenter: Shelita Kimble

Course Overview: Defining, identifying, and setting goals for your center can be a challenging task. During this course, faculty will discuss SMART Goals and the importance of setting them in their simulation center. Participants will learn how to identify and set goals for their home institution.

Objectives:
1. Define SMART Goals
2. Discuss the importance of setting goals for your Simulation Center
3. Identify different types of goals to set for your Simulation Center
In Situ Emergency Preparedness Simulation in High-risk Areas
Presenter: Marian Von-Maszewski

Course Overview: High acuity situations in the hospital provide opportunities for in situ training in emergency preparedness and disaster response. This is especially true in high-risk areas such as the ICU. This course will discuss how scheduled outages, such as generator and gas supply testing, can provide excess staff for simulation training. We will also explore how weather related events and local law enforcement actions allow an opportunity to move one step beyond the level of acuity and practice evacuation or shelter-in-place procedures.

Objectives:
1. Identify in situ opportunities during planned hospital outages to practice unit and institution specific response
2. Create simulation scenarios for staff emergency preparedness and disaster response
3. Develop objectives to evaluate performance after in situ emergency and disaster simulations

Pulling Away From Paper: Establishing and Maintaining an Inventory Process
Presenter: Jarrod Jones

Course Overview: This course will discuss the importance of an inventory system in a simulation center and how it relates to sustainability. We will cover a process of implementation which will include barcoding, depreciation schedules, student check-outs and staff preparation and training.

Objectives:
1. Explore the pros and cons of different barcoding methods
2. Discuss how items could be checked out and checked back into the inventory system
3. Describe the importance of an inventory system and how participants can implement a similar system in their organization
Technology Crisis in Simulation
Presenters: Melissa Lowther, Kuulei Misech

Course Overview: This course aims to discuss common troubleshooting situations as well as interprofessional challenges associated with technology breakdowns and troubleshooting during a simulation. A new troubleshooting tool, the Crisis Pain Scale, and a communication algorithm using concepts from the Crisis Resource Management (CRM) model will be introduced.

Objectives:
1. Identify technology issues and assign an appropriate crisis level using a new tool the Crisis Pain Scale
2. Explore collaborative communication and managing professional tone during a crisis using CRM communication techniques
3. Apply lessons learned by using a real-life crisis from your experience to apply the Crisis Pain Scale and discuss the communication algorithm

The Certification Practice Analysis and the Operations Specialist: What it Means to You!
Presenter: Andrew Spain

Course Overview: Valid and reliable certifications such as the CHSE and CHSOS must be developed through a systematic process—the practice analysis. This presentation will share the key aspects of a practice analysis, how it was used to develop the certifications, and how (and why) it will be repeated. The focus will be to improve your understanding of this process and ensure that you know your role and importance as this work is repeated.

Objectives:
1. Describe the psychometric rigor of the practice analysis and associated processes
2. Summarize the ways in which a practice analysis supports current and future healthcare simulation practices
3. Identify the role of the individual healthcare simulationist in practice analysis participation
A Practical Review of Anatomy and Physiology and Medical Terminology
Presenter: Sunmeng Chen

Course Overview: This workshop will utilize the platform of Jeopardy to review the participants’ knowledge on anatomy and physiology & medical terminology. The game will cover all 5 main body systems (cardiovascular, nervous, skeletal, muscular, digestive), with an extended understanding of medical terminologies (abbreviations, prefixes, suffixes, root words, medical terms). Participants will also obtain the fundamental knowledge of commonly used medical jargons.

Objectives:
1. Recognize and become familiar with the basic compositions and function of each human body system
2. Identify common medical jargons
3. Explore the root meanings of medical terminology for incorporation into daily practice

Growing as a Leader in Simulation Operations
Adam Dodson, Aaron Dix, Shelita Kimble, Kam McCowan, Sev Perelman, H. Michael Young

Course Overview: This session will provide participants with world world experience to assist them as they continue to grow and further their career as a Simulation Operations Specialist. Join this expert panel as we discuss innovation, curriculum design/development, program leadership, professional development, leadership within the Society, politics within a leadership position including government, the do’s and don’ts within our role.

Objectives:
1. Describe failures and successes within the career by engaging in group conversation
2. Explore ways to advocate for professional development speaking engagements and career growth
3. Describe the opportunities and possible challenges that can occur in the role of Simulation Operations Specialist
Workshop – 90 minutes  
*Educational Technologies*
1:45 PM - 3:15 PM  
Michigan State Henry Center, B107

**How to Prepare Students for Simulation with Online Learning**  
Presenters: Sandy Cayo, Gina Fraioli, Matthew Marsaglia, Katherine Marx

Course Overview: Prepare students for simulation with innovative technology! In this presentation, we will explore the development and implementation of online modules to prepare first-semester undergraduate accelerated nursing students for simulation in a time-efficient way, using software for multimedia learning and a learning management system. Attendees will need to bring their laptop for this course.

Objectives:
1. Summarize the benefits of using multimedia learning tools to prepare students for simulation activities
2. Compare and contrast using online modules to prepare learners for simulation activities vs. narrative written assignments
3. Explore ways to create interactive online modules to prepare learners for simulation activities

Panel Presentation – 90 minutes  
*Technical Operations*
1:45 PM - 3:15 PM  
Michigan State Henry Center, A169 Amphitheater

**Simulation 101: Best Practices in Simulation and Debriefing**  
Presenters: Beth Latimer, Natalya Pasklinsky, Charles Tilley

Course Overview: This course is intended for attendees new to simulation. We will focus on various types of simulation modalities, best practices for simulation based experiences (SBEs), curriculum structure and process (e.g. open simulation, medication administration simulation, course specific high fidelity simulations patient scenarios), and student outcomes addressed and enhanced by simulation in both the graduate and undergraduate nursing programs.

Objectives:
1. List three benefits of utilizing simulation in the graduate and undergraduate curriculum
2. Describe the process of faculty facilitated pre-conference simulation and debriefing strategies
3. Articulate the use of best practices for conducting a simulation
Steps for Successful Scenario Implementation
Presenters: Michael Barger, Amy Follmer

Course Overview: This course will provide attendees with information and documentation for use in simulation scenario planning. From recognizing the importance of learning objectives to “piloting” an event, preparation by a simulation operations specialist helps a simulation scenario run smoothly. Small group work will identify resources for new and unusual simulation scenario requests and allow attendees to share about favorite simulation scenarios or creative ideas.

Objectives:
1. Discuss the benefits of simulation scenario planning
2. Identify equipment technology and medication necessary to run the simulation scenario
3. Explore resources for new and unusual simulation scenario requests

Closing Keynote Presentation: Plan, Train and Fly Your Mission!
Presenter: Annette Hasbrook

Course Overview: Plan, Train and Fly Your Mission! Join us for an invigorating speech given by Mrs. Annette Hasbrook, Assistant Manager of Program Integration, The Orion Program, NASA. This session will emphasize the importance of procedures, training standards, teamwork and communication within a critical team. Stories and lessons from NASA's simulations and flight experience of the Space Shuttle and the International Space Station, and the early planning for the Orion space capsule being built to send astronauts beyond the moon will be highlighted.

Objectives:
1. Discuss the importance of procedures and training standards for a critical team
2. Emphasize the criticality of teamwork and communication by reviewing space training simulations
3. Review lessons learned from NASA's team training simulation and flight experiences
**Closing Debrief**

*Presenters: Moderated by Simulation Faculty*

Course Overview: Join us for this interactive session as we discuss the key content of SimOps 2017. Moderated by a simulation expert, this session will allow attendees to discuss content and educational opportunities, along with lessons learned utilizing a debriefing format. We encourage you to join us for this lively and informational take-away session!

Objectives:
1. Explore how ideas presented at SimOps 2017 can be integrated into your practice
2. Discuss the educational needs of the Simulation Operations Specialist and Educator
3. Review educational opportunities that exist within the simulation community