SIMOPS 2020: IMPACT
CALL FOR CONTENT

DEADLINE: THURSDAY FEBRUARY 6, 2020, 5:00 PM EASTERN (US)
LATE SUBMISSIONS WILL NOT BE CONSIDERED

The SimOps 2020 Planning Team is now accepting the content submissions for SimOps 2020: IMPACT, being held in the Greater Cincinnati/Northern Kentucky city of Erlanger, Kentucky, July 15-17, 2020 at the St. Elizabeth Healthcare Training and Education Center. Now being offered for a sixth year, SSH SimOps is designed to support the professional development of the Simulation Operations Specialist (SOS). Through hands-on learning experiences, inventive demonstrations, lively debates, a cutting-edge exhibition hall, and the latest research findings impacting simulation operations, SSH SimOps provides a unique experience for the SOS that strengthens the SOS community of practice.

Simulation operation specialists are masters of change. They continually adapt to simulation delivery demands and challenges to achieve the learning objectives that improve learner outcomes. The theme for SimOps 2020 is IMPACT, featuring key words that define the SimOps experience:

IMPACT
I – Interact with peers, subject matter experts, and vendors in courses and informal networking
M – Mentor to develop more opportunities for professional connection and networking
P – Purpose definition and goal-setting to strengthen resolve for continual improvement
A – Adapt to both immediate challenges and the changing landscape of technology and simulation operations
C – Create a system for success using information, skills, and connections
T – Transform mindsets, practices and workflows to enhance simulation operations delivery

SPECIAL INTEREST TOPICS
In support of IMPACT, The SimOps 2020 Planning Team has identified specific topics of importance they would like to include in this year’s program:

• SOS role development and advancement
• Simulation course setup documentation
• Simulation modality selection and variation
• AV technology basics
• Healthcare concepts courses for the SOS

SUBMISSION TYPES
Content for the following submission types will be considered:
• Educational Course Proposals
• Research and Technology Abstracts
• SimVentor Showcase Entries
**CONTENT CATEGORY OPTIONS**

Content submitted will be categorized into the following SimOps content categories:

I. **Healthcare Concepts**
   a. Topics include: Medication administration, simulated medication making, medical terminology, anatomy & physiology, medical procedures, modification of equipment/supplies/environment, roles of healthcare professionals, vitals basics, veterinary medicine

II. **Technical Operations**
   a. Topics include: AV/IT technology, equipment repair & maintenance, scenario development and programming, problem solving, network hardware and connectivity, mobile operations, simulation specific equipment, moulage principles & application, simulation course set-up and documentation, simulation operations 101, reusing supplies, molding and model making, video editing

III. **Professional Development**
   a. Topics include: Simulation certifications and accreditation, simulation-based training and fellowships, role development, professional advancement, effective communication strategies, healthcare simulation ethics, communication techniques and critical conversations, conflict resolution, internal and external collaboration, simulation team collaboration, development of simulation staff roles, responsibilities and job descriptions, research

IV. **Simulation Instructional Design**
   a. Topics include: Debriefing theories and practice, assessment methods & evaluation tools, simulation modality selection and variation, online and distance learning, flipped classroom and other innovative delivery formats, interprofessional training, confederate/acting tips, in-situ simulation, collaborating with faculty, online and distance learning

V. **Innovation & Technology**
   a. Topics include: AR/VR, serious games, 3D printing, mobile apps, physiological sensors, unique learning paradigms, autonomous training, AI, tissue properties, telesim, best practices, mobile operations, improvisation techniques, DIY solutions, low cost solutions, novel content delivery methods, task trainer modifications, crowd-sourcing, cloud computing

VI. **Program & Data Management**
   a. Topics include: Strategic planning, simulator purchasing, ROI, resources utilization, data collection and analysis, budgeting, risk management, collecting and using metrics, how to gain buy-in of your simulation center, learner usage, manikin and equipment usage, inventory and equipment tracking, policies & procedures, simulation scheduling

**First-time Presenters**

SimOps encourages first-time presenters to submit. If you have questions on how to submit, please contact Christina Tenorio ctenorio@ssih.org.

**Decision Notification**

Presenters will be notified regarding final acceptance or rejection decisions no later than early April, 2020.

**Registration Required**

All presenters accepted to the meeting are required to register for the entire meeting.
EDUCATIONAL COURSE PROPOSALS

DELIVERY FORMATS

Hot Topic Session (15 minutes)
Traditional lecture presentation by no more than two speakers meant to share recent findings and information. Topics to include new ideas, innovative concepts, recent findings, methodologies, exemplars, tools, and research results. Question & Answer period of 5 minutes is required. Lecture format will be as follows:

- Multiple presenter stations will be set up around the room
- Attendees will select a presenter station
- Faculty begin presentation
- At 10 minutes, faculty will stop the presentation and audience Q&A will begin
- 5 minutes will be allotted for Q&A
- Process repeats

Presentations will be repeated for the length of the session.
Presentations offered in this delivery format will be scheduled in a plenary hall and spaced adequately for optional audience interaction.

Panel Presentation (60 minutes)
The Panel Presentation focuses on a key issue in simulation today and features a moderator and multiple panel members involved in a discussion that invites participation from the audience. At least 15 minutes of audience participation is required. It is recommended that presenters engage the audience as soon as the introduction and opening questions are completed. The submitter is responsible for coordinating all electronic presentations from panel members in advance.

Hands-on Workshop (60 or 90 minutes)
Workshops are interactive sessions that begin with explanatory or introductory information and then move on to involve the audience in some type of interactive, participatory activity. Workshops are particularly well suited for demonstrations, role play, learning new skills or procedures, problem-solving discussions, testing best practices, and comparing and contrasting educational approaches, scenarios, courses and curriculum. Workshops should engage multiple faculty to help keep the content highly interactive and personal. At least 50% of the instructional timeline must show interactivity between faculty and learner. PowerPoint, video and other media are welcomed, but may not exceed 50% of the stated presentation time.

Preconference Course (4 hours)
The Preconference Course is four hours in duration and offers participants an intensive and comprehensive learning experience on a topic of importance in simulation today. Accepted sessions must combine several learning formats to meet the needs of a varied array of learners. Interactivity and learner participation are required for these courses. The MAJORITY of the proposed preconference workshop must be interactive in nature, giving attendees a chance to practice, discuss and problem-solve. Preconference workshops must include electronic enduring materials, such as a manual or handbook. This resource will be provided to learners in PDF format. Describe this resource in detail in your submission.
POSSIBILITY OF COURSE CANCELLATION: Preconference Courses for which an enrollment of eight (8) attendees hasn’t been reached 30 days prior to the course date are subject to cancellation. Course Directors of affected courses will be notified NO LATER THAN June 15, 2019 should the course need to be canceled. SSH will not assume liability for travel change fees associated with Course Director/Faculty travel affected by the cancelation decision.

EQUIPMENT AVAILABLE AT SETEC
- CAE simulators: 2-iStan, 1-Metiman, 1-Lucina
- Gaumard simulator: (1-SuperTory
- INGMAR: ASL 5000
- Task Trainers: Blue Phantom (Central Line insertion, Groin Mgt), Intubation heads (Laerdal, INGMAR, Ambu), IO trainers

COURSE PROPOSAL SUBMISSION REQUIREMENTS
Course Overview (450 character limit, includes spaces)
Please choose a title that is both attractive and descriptive of your proposed course content. Enter a course overview that gives an accurate and succinct description of your course, and ties the course content to the title and learning objectives. The Course Title and Overview will be used for promotional purposes, should your course proposal be accepted.

Learning Objectives – Three (3) Required (250 character limit each, includes spaces)
Your learning objectives must be measurable, and contain a verb of action. Please reference the "Resource - Learning Objectives" guide, available under the "More Info" tab for help in writing strong learning objectives.

Course Content (4,000 characters, includes spaces)
Enter a comprehensive description of the key concepts you intend to cover during this proposed course.

Instructional Timeline (4,000 characters, includes spaces)
Describe how the course is organized through the inclusion of a timeline, with the minutes allotted for each section, which totals the preferred length for your course. Be sure to list time for your introductions and verbal disclosures for all faculty. Include a discussion of the instructional resources that will be used to complement the instructional design of your proposed course, including operational highlights, opportunities for learner engagement, learning activities and instructional tools, equipment or supplies (if applicable to your chosen delivery format).

Long-range Evaluation Plan (4,000 characters, includes spaces)
SSH will deliver a summary course evaluation to every learner at the end of your course to measure delivery effectiveness and learner reaction. However, we encourage you to design a learner evaluation strategy to more accurately assess the degree to which learners will apply what has been learned, improving competence, performance and patient outcomes. Describe a strategy for learner assessment that could be used to evaluate the long-range effectiveness of your course.
References (no character limit)
References must be formatted as shown in the Reference Format Guidelines, included in the "More Info" section.

Logistics (no character limit)
If you will need special equipment for your proposed course, you’ll be able to indicate those in the fields found under the “Logistics” tab.

Submission Portal
https://www.ssih.org/Professional-Development/Presenters/Proposal-Submission
RESEARCH ABSTRACTS

SimOps 2020: IMPACT is now accepting research abstracts describing completed technological and operational developments.

Abstracts should represent completed technological and operational projects. Abstracts should contain a brief description of 1) the background of the innovation and the specific problem it solves, 2) the methods used to conduct and evaluate the project, 3) the results of the project, and 4) conclusions regarding the project. The inclusion of an evaluative component is strongly encouraged, but not required for submission. Inferential statistics and qualitative data are all acceptable means of evaluation. Theoretical frameworks used to inform the development, methodology, or assessment process should be included when appropriate.

POSTER PRESENTATION
Accepted research abstract presenters are asked to prepare a poster summarizing the project for presentation at the meeting. Presenters will be provided with a 4 ft high x 8 ft wide poster board on which to display the poster. Posters do NOT need to fill the entire provided space. Posters will be on display beginning Thursday, July 16 at 7:00 AM through Friday afternoon, July 17 at 2:00 PM.

PROFESSOR ROUNDS SESSION
A Professor Rounds session will be held poster-side during the meeting. All accepted research abstract presenters are asked to prepare a 3-5 minute oral overview of the project and be ready to answer any questions from both the assigned professor and audience members in attendance.

Posters will be grouped according to topic area. Each group of posters will be assigned one professor. The professor will “round” with all presenters in each topic group, encouraging discussion on each project and sharing ideas for further development.

RESEARCH ABSTRACT REQUIREMENTS
1. **Hypothesis/Research Question** (max 1,000 characters, includes spaces): Must contain the hypothesis and research question for the research study, or outline the problem being addressed through the innovation project. Provide background information on a current gap in knowledge or need in a specific area in healthcare simulation. State the importance of the study/project to the simulation healthcare community. Include citations to relevant literature if appropriate.

2. **Methods** (max 1,000 characters, includes spaces): Describe the study/project design, experimental method(s), design strategies, participants involved, apparatus and equipment used, procedures followed, and techniques employed. For quantitative Research Studies, include the independent and dependent variables where appropriate as well as modes of data analysis. Relevant theoretical frameworks should be included if applicable to the study topic.

3. **Results** (max 1,000 characters, includes spaces): Describe what was learned from the study or project. Include a narrative summary of the findings describing the analyzed data. Statistical analyses should be described clearly. Projects containing an assessment component should outline any evaluative reports or findings obtained. NOTE: You may not cut and paste a table into this text box.
4. **Conclusion** (max 1,000 characters, includes spaces): Describe your conclusions, how the results do/do not support the research question and/or project objective, and the resulting implications for the healthcare simulation community. Do not use a table in this section. The conclusion should be a narrative summary of the results and findings.

5. **References** (no character limit): Please follow the Reference Format Guidelines when entering your references. LIMIT: Five (5) references.

**Submission Portal**
https://www.ssih.org/Professional-Development/Presenters/Proposal-Submission
**SimVentors Showcase Entries**

The SimVentors Showcase at *SimOps 2020: IMPACT* will feature new ideas in simulation, providing an exciting forum for creativity and innovation. Make connections, collaborate, and inspire the development of new solutions for healthcare simulation. Do you adjust, tinker, remake, repair and reuse medical simulation equipment? Have you invented a new or innovative programming or technology? Have you discovered a low-cost/low resource option? If yes, this qualifies you to submit a SimVentor Showcase entry.

Acceptance will be based on the entry’s relevance, utility, and novelty.

Accepted presenters will be asked to provide a tabletop demonstration during the SimVentors Showcase, being held on Thursday, July 16th. During the Showcase, presenters will be able to discuss ideas in an informal format with attendees and vendors. Mentorship is available if you would like more information on the design of your product, patent information, or assistance presenting your ideas.

The following submission types will be considered:

**Entry Types**

- Modification or New Innovation? Is the innovation an evolution or change to a previously existing device, process, or technology OR is the innovation a device, process, or technology that has not previously existed?
- Software or hardware? Hardware includes but is not limited to: devices, gadgets, simulation equipment, AV equipment, apparatus, gear, kits, wearables and moulage. Software includes but is not limited to: programs/applications for computer, mobile and wearable devices, serious games, scenarios, processes, operating systems, augmented and virtual reality applications, spreadsheets, checklists, freeware and more.
- Is the innovation a low cost/low resource solution?

**Entry Categories**

- Mobile Devices and Mobile Learning Systems (including screen-based and mobile learning platforms, virtual interactive medical device simulators, eye-tracking, computer-based decision support tools)
- Moulage and Wearable Simulators and Devices
- Serious Games & Virtual Environments (including screen-based gaming, mobile gaming applications, virtual reality, augmented reality, board or table-top games, other mobile applications)
- Simulation Center Operations (including audio/visual, theatrical, process, administration, logistics, communications, and other related concepts)
- Simulation Platforms and Devices (including manikins and task trainers)

Please note: The Society for Simulation in Healthcare (SSH) strongly recommends that users of simulation-based learning equipment consult with manufacturers regarding equipment warranty and/or repair policies prior to making any modification.

**Who is eligible to submit to the SimVentors Showcase?**

- Healthcare simulationists who are developing or implementing innovations to improve healthcare simulation tools, techniques, and strategies.
- Non-profit organizations and grant-funding agencies working to support the use of simulation.
- Individuals who are developing new solutions, including those who are planning on distributing their ideas as open-source resources or are in the process of creating commercial products or services.
NOTE: Full disclosure must be made. The SimVentors Showcase is not available for direct promotional or commercial activity.

ENTRY COMPONENTS

DETAILED DESCRIPTION
(2,500 character max, includes spaces)
Describe how the project uses and leverages innovation to meet educational needs. This section is intended to give peer reviewers a complete narrative regarding the project. Be sure to include a description of why there was a need for the project or innovation, how it was developed (include detailed steps), and the outcomes that have been realized as a result.

PROBLEM ADDRESSED
(2,500 character max, includes spaces)
Describe the problem(s) that is addressed by this invention. What are the existing solutions and what limitations do these current solutions have? Be sure to list the novelty features and benefits of this invention.

PRIMARY FUNCTION OF INVENTION
(250 character max, includes spaces)
List the primary function of the project.

SECONDARY FUNCTION OF INVENTION
(250 character max)
List the secondary function of the project.

KEYWORD
List a max of 2 keywords that describe the project.

VISUAL DOCUMENTATION
(acceptable formats include pdfs & URL’s)
Entrants are encouraged to include pictures, diagrams, schematics, or other relevant visual documentation.

Submission Portal
https://www.ssih.org/Professional-Development/Presenters/Proposal-Submission