

Speakers:

- Barbara Bertagni, Clin PsyD, PhD – Founder and Managing Partner, e-REAL Labs at Logosnet (Turin, Italy; Lugano, Switzerland; Houston and New York, USA).
- Roxane Gardner, MD, MPA, MPH, PhD – Executive Director of the Harvard Center for Medical Simulation (Boston, USA).
- Jenny Rudolph, PhD – Senior Director for Innovation at the Harvard Center for Medical Simulation (Boston, USA).
- Fernando Salvetti, PhD – Founder and Managing Partner, e-REAL Labs at Logosnet (Turin, Italy; Lugano, Switzerland; Houston and New York, USA).

Overview:

This webinar will delve into the evolving roles of Generative AI and Extended Reality (XR) in medical simulation, emphasizing their potential beyond just ChatGPT. While large language models like ChatGPT, Gemini, Claude, or LLaMA have made headlines, other AI-driven solutions—such as machine learning algorithms for predictive analytics, natural language processing (NLP), and AI-powered debriefing tools—are also shaping the future of medical simulation. The session will highlight the diversity of AI technologies and how these, coupled with XR, can revolutionize healthcare education by

enhancing scenario development, real-time analytics, and feedback mechanisms.

Content:

1. **Exploring Generative AI in Medical Simulation:**

- The role of AI in creating dynamic, responsive simulation scenarios: personalized learning pathways and real-time analytics.
- Moving beyond ChatGPT: AI applications like decision support systems, predictive models, and NLP for medical training.
- Practical examples of AI-powered tools that aid in real-time decision-making, scenario adjustments, and feedback collection.

2. Case Studies and Real-World Applications:

- Highlighting successful implementations of AI and XR technologies to simulate healthcare scenarios, enhancing the learning of technical and non-technical skills, and improving learner engagement.
- Discussing the false expectations that often surround AI technologies in healthcare simulation, and providing a grounded understanding of what AI can realistically achieve today.
- Addressing common misconceptions, such as AI's perceived autonomy in clinical decision-making, and how human oversight and collaboration with AI can lead to the most effective training outcomes.

3. Enhancing Debriefing and Feedback with AI:

- AI's role in analyzing learner performance, automating feedback, and tracking progress over time.
- How AI-driven insights can support instructors in refining debriefing processes, making them more personalized and effective.
- Q&A and Interactive Discussion:
- Participants will have the opportunity to engage with the speakers, discuss their experiences with AI and XR in medical simulation, and clarify any misconceptions regarding these technologies.