



## **SESAM 2026 Pre-Congress Workshop**

### ***Technique Before Technology: Simulation Excellence Across Resource Contexts***

#### **Faculty**

- Uli Strauch, Maastricht University, Netherlands
- Christoffer Ericsson; Arcada University of Applied Sciences, Finland
- Joanne Davies, Simulation and Immersive Learning Centre (SUSIM), Swansea University, Wales
- Tim Whitaker, United States of America
- Ayham Al-Masri, Southern Jutland Hospital, University of Southern Denmark, Denmark.

#### **Workshop details**

- **Date:** Tuesday 16 June 2026
- **Timing:** All day (09:30 - 12:30, 13:30 - 16:30)
- **Duration:** 6 hours

#### **Introduction & Aims**

Simulation is a technique, not a technology (1). As simulation grows in popularity globally, so does the offering of high-fidelity manikins and complex technologies to support simulation-based education delivery. Simulation centres the human experience - and so the core of the delivery of simulation must focus on the techniques of delivering high quality education experiences, over a focus on technology.

This 6 hour Workshop explores the core of delivering high-quality education design and delivery - regardless of setting and technology. We will explore the core principles of instructional design and facilitation through case studies and frameworks, with the aim to bring theoretical concepts and frameworks into practical use with interactive case studies.

#### **Intended Learning Outcomes**

1. Create understanding of the necessity to align intended learning objectives and chosen simulation technology.



2. Create understanding of basic instructional design principles in simulation.
3. Create awareness about the use of different technologies in different contexts.
4. Apply core pedagogical and instructional design principles to simulation based education.

### **Session Description**

Opening: The philosophy & current challenges

Session 1: Core pedagogical principles (high-impact, low-tech)

Session 2: Hands-on stations centred on case studies to workshop communication techniques, creative debriefing, innovative use of basic materials

Session 3: Balancing technique with technology - human intelligence + flexible technology frameworks

Session 4: Implementation strategies for different institutional contexts

### **Expected Impact**

The facilitators bring together rich experience from different countries and resource contexts to give an excitingly diverse view on the transformative uses of simulation for participants, enabling a deeper understanding of education design and facilitation which is flexible to low and high resource settings.

### **References**

1. Gaba DM. The future vision of simulation in health care. *Qual Saf Health Care*. 2004 Oct;13 Suppl 1(Suppl 1):i2-10. doi: 10.1136/qhc.13.suppl\_1.i2. PMID: 15465951; PMCID: PMC1765792.

### **Facilitators and contributors**

Uli Strauch, Maastricht University, Netherlands

With a clinical background as an Anaesthesiologist-Intensivist, Uli has been engaged in simulation-based education for more than 15 years. Since 2015, he has served as Director of the Simulation Center at Maastricht University Medical Center+ (the Netherlands). He is currently President of the Dutch Society for Simulation in Healthcare (DSSH) and has been actively involved within SESAM in various roles, including Past Treasurer, member of the Accreditation SIG, and member of the Educational Committee.

Christoffer Ericsson; Arcada University of Applied Sciences, Finland

Christoffer Ericsson, PhD, is Degree Program Director for the Emergency Care Systems Development and Leadership master's program at Arcada University of Applied Sciences in Helsinki Finland, and director for Arcada Patient Safety and



Learning Center. He is an experienced educator, simulation facilitator, and researcher.

Joanne Davies, Simulation and Immersive Learning Centre (SUSIM), Swansea University, Wales

Professor Jo Davies is Head of Simulation Education at Swansea University and Founding Director of SUSIM Simulation and Immersive Learning Centre in the UK. Jo has a longstanding career in clinical practice and international SBE programmes in the Middle East, Australia and Africa.

Tim Whitaker, United States of America

Tim Whitaker, BS, CHSE, FSSH, CHSOS, EMT-P, CMTE, is the Practice Leader and Solutions Architect for Education Management Solutions. He's an experienced simulation educator, center designer/operations consultant, professional manager and operations manager credentialed by the Society for Simulation in Healthcare (SSH) as both a Certified Healthcare Simulation Educator (CHSE) and a Certified Healthcare Simulation Operations Specialist (CHSOS), and a Fellow of the Society for Simulation in Healthcare (FSSH).

Ayham Al-Masri, University of Southern Denmark, Denmark.

Ayham Al-Masri is a consultant doctor in Emergency Medicine, and serves his passion for simulation as Simulation lead at the Southern Jutland Hospital and a lecturer at the University of Southern Denmark.