

Breaking Barriers: Interdisciplinary Knowledge Sharing

Date: Monday, 11 August 2025

Time: 09:00 – 12:30

Location: City 2, Adelaide Convention Centre

This Master Class is perfect for:

- **Simulation experts** needing to understand the relationships among domains
- **Decision makers** who use simulation in their business activities
- **Competent simulation practitioners** looking to expand their understanding of the field

Why attend:

In today's world, bridging the gap between diverse fields like aviation, systems thinking, healthcare workforce planning, and visual recognition and visuomotor behaviour can be challenging. But not anymore! This Master Class brings together experts from distinct professional domains to explore how advanced simulation practices can be shared and adapted across fields for mutual benefit.

What to Expect:

- **Expert Collaboration:** Learn from knowledge leaders as they showcase their work and demonstrate how its implications can be applied in different domains.
- **Cross-Domain Insights:** Discover how advanced simulation practices can be imported and exported between fields, breaking down barriers and fostering innovation.
- **Real-World Applications:** See practical examples of how cross-domain fertilization can enhance understanding and application of simulation techniques.

Why Attend:

- **Expand Your Horizons:** Gain insights into how other domains approach simulation and how these practices can be adapted to your field.
- **Innovate and Integrate:** Learn to appreciate and value perspectives outside your own domain, fostering a more holistic approach to problem-solving.
- **Essential Experience:** This Master Class is a must for anyone looking to leverage advanced simulation in their own domain.

Learning Outcomes:

- **Understanding simulation across contexts:** be able to explain the ways simulation operations are the same in different disciplines
- **Expanding insights:** consider personal capabilities across disciplinary domains to expand career options
- **Creative applications:** opportunities to consider how to apply new simulation methods to your own work goals

Join us to break down barriers and explore the potential of interdisciplinary knowledge sharing!

Presenters:



Jawahar Bhalla – An advocate and educator in the application of Systems Thinking, Modelling and Simulation as enabling pillars for understanding complexities in work and life, and improving culture, safety and performance.



Prof Guy Wallis – Guy is a university-based researcher who has spent over 25 years studying human visuomotor behaviour using immersive technologies. A significant portion of his research has been conducted in collaboration with partners from both industry and health organisations. He has developed novel training programs for surgeons, designed man-machine interfaces for mining companies, and helped develop VR-based solutions for pilot training.



Dr Katherine L. Morse – Dr. Morse is a Principal Research Engineer at Georgia Tech Research Institute with nearly 50 years in computing and 30 years shaping international standards. She has held senior roles at Johns Hopkins APL and SAIC, and holds advanced degrees (MS) in computer science from UC Irvine and the University of Arizona. A leading expert in simulation and systems engineering, she is an IEEE Fellow and the first woman to win the IEEE Hans Karlsson Award.



Associate Professor Pauletta Irwin – Pauletta is a simulation leader, educator, and researcher known for driving national collaboration across disciplines. She incorporates multiple modes of simulation to support innovation, workforce development, and reflective practice, with a strong focus on inclusivity and cross-sector knowledge exchange.