

Shaping the Future: Knowledge and Skills for Simulation and Modelling Career Paths

Date: Monday, 11 August 2025

Time: 09:00 – 12:30

Location: City 3, Adelaide Convention Centre

This Master Class is perfect for:

- **Simulation experts** looking for information to guide career path options for simulations experts
- **Educators** working with adults to reframe career options (e.g. military personnel approaching discharge)

In recent decades, simulation and modelling have become essential tools for decision-making, research, planning, logistics, and education. Despite their growing importance and the recognition that expert skills are required, there is still no clear map of the skills and knowledge needed across different sectors to create transparent career pathways for the expanding workforce.

What to Expect:

- **Expert Insights:** Through presentations and facilitated discussions, this workshop will delve into the skills and roles associated with simulation and modelling, based on information drawn from advertised jobs in Health, Defence, Aviation, and Engineering.
- **Educational Exploration:** Learn about current education programs in simulation and modelling contributing to career pathway development.
- **Collaborative Efforts:** Engage in collaborative discussions to build a comprehensive knowledge and skills map and establish career pathways across sectors. This will help identify and benchmark requirements for simulation and modelling.

Why Attend:

- **Ongoing Engagement:** This workshop offers a platform for key stakeholders to review and certify simulation and modelling knowledge in Australia, ensuring its future relevance.
- **Research-Driven:** The workshop draws on current PhD research by Jan Roche, with outcomes contributing to new knowledge about career paths and requisite skills.
- **Future Directions:** The results will inform future education requirements and benchmarking in simulation and modelling, promoting awareness of simulation-oriented career pathways.

Join us to contribute to the development of this frontier technology and help shape the future of simulation and modelling careers!

Presenters:



Jan Roche - Jan is an innovative leader and visionary with a proven ability to think outside the box, delivering creative solutions to complex problems. She is an experienced communicator and learning facilitator, whose doctoral research concerns answers to the questions -Who are Simulation Professionals? What skills and knowledge do they possess?



Craig Noe - Craig is a leader in Australia's VET and training industry, with over two decades of experience driving business growth and profitability for Australian businesses and training organisations. Commercially focused and known for an innovative, forward-thinking approach, Craig leverages emerging technologies and internal expertise to deliver cutting-edge training solutions. He thrives on innovation, challenging the status quo, and providing environments where employees exceed their professional and lifelong goals. Craig's passion for interactive technologies and simulation training underpins his commitment to developing workforce capability and advancing industry excellence through contemporary, immersive learning solutions.



Steven Watt - Steven is an experienced Modelling and Simulation specialist with over 30 years in and around Modelling and Simulation. He is keen about strengthening the profession by understanding demand and shaping policy frameworks. Steven brings deep expertise across the full product lifecycle, capability management, and training to support developing career paths in the Modelling and Simulation community.