

Simulating Complex Processes – Predicting the Future: Simulation-Driven Decision Support Across Industries

Date: Monday, 11 August 2025

Time: 13:30 – 17:00

Location: City 2, Adelaide Convention Centre

In fields as varied as Health, Manufacturing, Defence, and Supply Chain Operations, simulation tools and practices are crucial. Yet, the principles behind their use aren't always clear. This Master Class is tailored for professionals in planning, operations, and process design roles, but anyone involved in these areas will find it beneficial.

Why Attend:

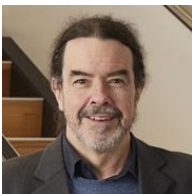
- **Share and Learn:** Bring your current projects and challenges to the table. We'll incorporate real-world issues into our discussions to illustrate key theories and principles.
- **Gain Insights:** Discover the advantages of using simulation in planning and operations.
- **Enhance Decision Making:** Learn how simulation leads to more efficient and effective decisions.
- **Master Process Design:** Explore essential steps in assessing and designing processes.
- **Test and Optimize:** Use simulation for scenario testing, optimization, and scaling.
- **Understand Dynamics:** Evaluate how dynamics and uncertainty impact system performance.

Join us to deepen your understanding and harness the full potential of simulation in your projects!

Presenters:



Michael Johnstone - Michael's expertise lies in creating novel algorithms and decision support software platforms specifically tailored for digital twin implementations. His research explores the integration of real-time data, advanced analytics, and machine learning techniques to develop dynamic and accurate digital replicas of physical systems



Bruce Gunn - Since 2019 Bruce has managed research projects developing key technologies for design assessment of new composite manufacturing facilities. This included building Agent-based models, decision support tools, photorealistic 3D digital twins and optimisation technology. Research projects have been completed with Carbon Revolution, Boeing Australia and Quickstep Holdings.