



Simulation: Challenges and
Opportunities for a complex
and networked world

SimTect 2006

Simulation Conference and Exhibition
29 May–1 June 2006

Melbourne Convention Centre Melbourne Australia
www.simtect.com



SimTect 2006 is held under the
auspices of the Simulation Industry
Association of Australia (SIAA)

SimTecT 2006



Message from the Convenor

As complexity in our world increases, modelling and simulation provides a vital tool for analysing and understanding the inter-relationships and behaviours of systems and processes. In the defence sector “network-centric warfare” describes the systems of systems – where a person, vehicle, or platform is a part of a much bigger and complex picture. In the manufacturing sector, “supply-chain management” embodies the linkages between complex systems which must be co-ordinated to achieve the overall objective. In the healthcare sector, teams of people from numerous disciplines, operating under multiple regulatory and administrative agencies, deliver critical services to unique individuals.

Our theme “*Simulation – Challenges and Opportunities for a complex and networked world*” focuses on the opportunities that simulation provides to understand, and improve the way we operate now, and into the future. It encompasses the use of simulation for experimentation, concept development, system design validation, process and systems modelling, and the training of users.

The SimTecT 2006 Conference and Exhibition builds on the success of the previous ten SimTecTs to provide an opportunity for the simulation community to discover the latest research and product advances, and to discuss applications in the defence, manufacturing, healthcare and transport sectors.

I look forward to seeing you in Melbourne on the 29th of May in Melbourne2006.

Jawahar Bhalla

Message from the SIAA Chairman

As complexity increases, so do the opportunities for modelling and simulation. In an uncertain and changing world, we want the confidence of protection by our defence forces, safety as we travel, efficiency in the production of goods, and quality in the healthcare we receive. Simulation provides a key tool for designers, regulators and users to deliver consistent results in a dynamic environment.

Growing the Australian simulation industry is the core objective of the Simulation Industry Association of Australia. Fostering skills and technology, seeding collaboration, informing customers and governments, and demonstrating the outstanding capabilities of the Australian simulation industry and all vital elements of the SIAA strategy: SimTecT encompasses them all.

For your personal benefit, and for the development of the use of simulation and modelling in Australia, I urge you to attend this very special conference.

See you at SimTecT!

Alan Johnson