

SimTecT2008

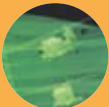
simulation – maximising organisational benefits



REGISTRATION AND INFORMATION BROCHURE

www.simtect.com

MELBOURNE CONVENTION CENTRE
MELBOURNE AUSTRALIA
12-15 MAY 2008



SimTecT 2008
is held under the
auspices of the
Simulation Industry
Association of
Australia (SIAA) Ltd
ABN 13 087 862 619



PRINCIPAL AND CONFERENCE DINNER: CAE



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Conference Secretariat Contact Details



Consec – Conference Management
PO Box 3127
BMDC ACT 2617

Telephone: +61 2 6251 0675
Facsimile: +61 2 6251 0672
Email: simtect2008@consec.com.au

Conference Manager:
Barry Neame
Conference Coordinator:
Michaela Andelova

Check the SimTecT website for
regular Conference updates
and for the Online Registration Form.

www.simtect.com

Message from the Convenor

In this environment of ever increasing tempo and change, organisations strive to keep up, to do more, and to do so more efficiently. Modelling and Simulation helps us to deal with these challenges, both immediate and those we are yet to face, to help us prepare and perform to optimum levels.

Our theme “Simulation – Maximising Organisational Benefits” focuses on the opportunities that simulation provides to deliver results in alignment with organisational objectives – such as integrated analysis and communication tool suites for all business units, reducing the cost of ownership through simulation, or improving the quality of training and learning. It encompasses the cost-effective use of simulation for experimentation and analysis, concept and capability development, system design refinement and validation, process and systems modelling, organisational learning, and in the training of users. This applies to customers and suppliers alike, in all sectors – including defence, aerospace, mining, construction, manufacturing, transport, national security, emergency management, education and business sectors.

The **SimTecT 2008** Conference and Exhibition builds on the success of the previous twelve SimTecTs to provide an opportunity for the simulation community to discover the latest research and product advances, and to discuss applications with developers and users.

The Organising Committee and I look forward to seeing you in Melbourne on 12th May 2008.



Jawahar Bhalla
Conference Convenor



Destination – Melbourne

Melbourne, set around the shores of Port Philip Bay, is a modern, multicultural capital that stylishly blends business with pleasure. It has been described as “Australia’s most stylish city after sunset” and a “city that never stops buzzing with activity”. The city is laid out in a large rectangle and sits on the banks of the Yarra River, approximately five kilometres from the Bay.

Melbourne is an active part of Australia’s Simulation Community. The Defence Science and Technology Organisation, branches of Defence acquisition and training, automotive and general manufacturing and major Universities are located in or near Melbourne.

An attractive international tourist destination, average temperatures in Melbourne are mild with temperatures in May ranging from 11–19°C.

Organising Committee

NAME	ORGANISATION
Mr Jawahar Bhalla (Chair)	CAE Australia
Mr Peter Hill	SIAA
Dr Elyssebeth Leigh (Papers Coordinator)	University of Technology, Sydney
Mr Roger Mulligan (Program and Site Visits Coordinator)	Consultant, Nowra, Australia
Mr Fred Hardtke (Workshops Coordinator)	Raytheon Australia
Mr Philip Swadling (Transport Area Lead)	Thales Australia
Mr Malcolm Bell (Golf Coordinator)	
Mr Craig Hingston	Concentric Asia Pacific
Mr Rob Carpenter (Wargames Café Coordinator, Serious Games Area Lead)	Army Simulation Wing
Dr Shane Canney	Defence Science Technology Organisation
Ms Deanna Christoff (Mining/Construction Area Lead)	Australian Defence Simulation Office
Mr Darren McFarlane (Defence Area Lead)	Australian Defence Simulation Office
Mr David McKeague	Xon Xoff
Mr Tony Mildred	Centre for Excellence in Rail Training
Mr Mark Phillips	Presagis, Inc
Dr Michael McGarity	CAE Australia
Mr Nick Howden (Homeland Security Area Lead)	CAE Professional Services
Mr Paul Beckett	RMIT
Prof Saeid Nahavandi (Manufacturing Area Lead)	Deakin University
Dr Simon Parker (Human Factors Area Lead)	Defence Science Technology Organisation



Paper Review Committee

NAME	ORGANISATION
Dr Elyssebeth Leigh (Papers Coordinator)	University of Technology, Sydney, Australia
A/Prof Cees Bil	RMIT University, Australia
Prof Terry Bossomaier	Charles Sturt University, Australia
Dr Shane Canney	Defence Science Technology Organisation, Melbourne, Australia
A/Prof John Carroll	Charles Sturt University, Australia
Mr Anthony Cramp	Defence Science Technology Organisation, Melbourne, Australia
Mr Gary Eves	Ball Solutions Group, Australia
A/Prof Helen Hasan	University of Wollongong, Australia
Mr Peter Hill	Simulation Industry Association of Australia
Mr Nick Howden	CAE Professional Services, Melbourne, Australia
Ms Julia Loughran	ThoughtLink, USA
Dr Michael McGarity (Paper Review Coordinator)	CAE Australia, Sydney, Australia
Dr NK Mehta	Indian Institute of Technology, India
Mr Tony Mildred	Centre for Excellence in Rail Training, Sydney, Australia
Prof Karol Miller	University of Western Australia, Australia
Mr Roger Mulligan	Consultant, Nowra, Australia
Mr John Page	University of New South Wales, Australia
Dr Simon Parker	Defence Science Technology Organisation, Melbourne, Australia
A/Prof Deborah Richards	Macquarie University, Australia
Dr David Stratton	University of Ballarat, Australia
Dr Marty Stytz	Institute for Defense Analyses, USA
Mr Philip Swadling	Thales Australia, Sydney, Australia
Dr Andreas Tolk	Old Dominion University, USA
Mr Peter Vial	University of Wollongong, Australia
Mr Zoran Vulovic	University of New South Wales, Australia

Sponsors

PRINCIPAL SPONSOR

CAE Australia

With over 110 full-flight simulators in more than 20 aviation training centers serving approximately 3,500 airlines, aircraft operators and manufacturers across the globe, CAE is a world leader in aviation, maintenance and crew training services. CAE is a major provider of advanced simulation equipment for military markets, having supplied military training simulators to defence forces of more than 30 nations, with the broadest air lift and rotary wing expertise of any simulator manufacturer. CAE is also the world's leading provider of civil flight simulators with more than 80% of the global competed market. The company designed and built the world's first FAA Level D full flight simulator, the highest level of certification a flight simulator can achieve. In Australia, CAE has delivered the world's first A380 simulator to Qantas, and is contracted to deliver several other simulators to Qantas and Virgin Blue in the near future, including Boeing 787 simulators for the Qantas training centre, and a Boeing 777-300 simulator for V-Australia which will operate in CAE's first Australian Training Centre in Sydney in April 2008.

CAE has been delivering successful programs in the flight simulator and service markets to the Australian military and civil markets since 1994. The company continues to expand its offering to include the full suite of CAE capabilities around the world, leveraging our capabilities and experiences in other nations and continually growing a stronger domestic capability within

the Australian organization. In addition to the successful delivery and ongoing support of C-130H and C-130J simulators at RAAF Richmond, the Black Hawk at AAvtC Oakey, and a number of Virtual Maintenance Trainers, CAE Australia's simulator instructors now deliver training and training support to our Air Lift and Black Hawk customers.

In the military sector, CAE is contracted to supply RAAF MRTT Simulators and services to be located in a new facility at RAAF Amberley. More recently, CAE has been awarded the prime contract to deliver MRH – 90 turnkey training systems to the Australian Army, including two Full Flight & Mission Simulators in purpose-built facilities at both Oakey and Townsville.

CAE's Melbourne-based Professional Services group specialises in modelling, simulation, and decision support products and services, building on CAE's strong simulation heritage and offering support for capability development, analysis and experimentation. The CAE Professional Services group works across Program Management, Modelling & Simulation and Emergency Management and Human Factors to provide defence with an Integrated Capability Engineering function.



STATE SPONSOR

Multimedia Victoria

Multimedia Victoria (MMV) is the state government's core agency delivering policies to grow the state's information and communication technology (ICT) industry and bring the benefits of technology to all Victorians.

The Victorian Government's strategy is to foster a strong local ICT production sector as well as encouraging leading-edge use of technology in the State. Harnessing the ICT propensity for dynamic convergence with other sectors, MMV is working to drive ICT innovation from health to education, business to entertainment, improving the lives of all Victorians. Research and development, skills and infrastructure are all also vital to this complex global industry. MMV intervenes where these elements, locations and industries intersect, as this is precisely where Victoria is gaining a growing competitive advantage both nationally and globally.

This vision for the State's ICT sector is set out in the Victorian Government ICT Industry Plan 2005-2010. Developed in consultation with the local industry, the new framework will guide the Government's strategies and activities to grow and maintain Victoria's talented and innovative ICT industry.



Sponsors cont.

MAJOR SPONSOR

Thales

Thales Australia is a leading provider of mission critical systems, products and services to defence, security, civil and industry markets in Australia and abroad. Thales Australia is Australia's leading defence, engineering and systems company, with annual revenue of approximately A\$1 billion and 3500 employees, and is part of the global Thales Group.

Thales provides innovative and state-of-the-art simulation and training solutions for civil and military applications, from computer based training systems and full-flight simulators to complete, networked synthetic environments for simulating large military operations.

In November 2007, the Full Flight & Mission Simulator for the Air87 Tiger helicopter received accreditation by the Australian Defence Force regulatory authorities to Level 5, the highest level possible under the Australian Standards. This represents a significant achievement for Thales and the ADF, as it is the first time that a device with twin coupled domes has achieved accreditation to this level anywhere in the world.

This success builds upon the extensive local capabilities that have established Thales Australia as the premier simulation systems provider to the ADF. This has been accomplished through the delivery and support of numerous military simulation systems, including the F-111 Mission Simulator, AP-3C Advanced Flight Simulator, AEW&C Wedgetail Flight Simulator, and the

ASLAV Crew Procedural Trainers for the Australian Army. Thales has also delivered numerous full flight simulators for QANTAS and Air New Zealand, as well as simulators for other commercial industry uses.

Thales provides consultancy services to clients in the government, transport/infrastructure, utilities and defence/security markets. Thales Consulting delivers services in training, and has a wealth of experience in the analysis of training requirements through task analysis, training requirements determination, methods and media experience, cost modelling and media effectiveness analysis.

To support advanced Concept Development and Experimentation studies, Thales Australia established the Australia Transformation and Innovation Centre (ATiC), NEWLab and OceanLab. These facilities can be networked to a broader federation of battlelabs and system integration laboratories established by Thales in other countries, and can also be linked to local industrial and government facilities.

THALES Australia has the total engineering capability and project management expertise for the complete range of solutions across a broad spectrum of Defence and Industry needs, delivering not just simulators but complete solutions.



MAJOR SPONSOR

Cubic Defense Applications

www.cubic.com



MAJOR SPONSOR

Mining Industry Skills Centre Inc.

www.miskillscentre.com.au



CONFERENCE DINNER SPONSOR

CAE Professional Services

CAE Professional Services is a global services organization committed to helping customers optimize the use of user-centred, simulation-based analysis, design and experimentation to support the entire capability lifecycle - from initial research and concept development through design, implementation, test, and evaluation to production, maintenance, upgrades and disposal. Our team specializes in providing solutions to the Defence, National Security, and civilian Emergency Management markets.



Focus Areas

Under the theme of Maximising Organisational Benefits, the Conference keynotes, special presentations, workshops, papers and program have been structured to focus on six main areas:

Defence

- Simulation to support Force employment
- Command & Control
- Network-Centric Warfare
- Simulation support to acquisition

Transportation, Aerospace, Civil Aviation

- Regulatory frameworks, certification standards and training benefits
- Rail and vehicle simulation and training

Homeland Security

- Experimentation/new capabilities
- Emergency management
- Critical infrastructure protection

Mining/Construction/Manufacturing

- Training benefits
- Certification standards for simulators, curriculum and instructors
- Workforce issues
- Safety implications
- Integration of Simulation Systems

Social and Organisation Learning

- Human factors
- Adult learning principles and applications
- Facilitation skills
- Design and operational implications
- Online role-play
- Business and human behaviour simulations

Serious Games

- First person
- Multi player

Specialisations

Within these Focus Areas, papers on the following life-cycle oriented specialisations have been encouraged:

1 Policy and Management, including:

- Validation, Verification and Accreditation
- Data management
- Financing of training systems (including leasing, private finance initiatives etc)
- Cost benefit analysis of simulation systems
- Policy issues
- Acquisition strategies
- History of simulators
- Standards
- Business modelling

2 Analysis & Experimentation, including:

- Simulation support to acquisition
- Experimentation
- Reliability, availability, maintainability modelling
- Lifecycle support modelling

3 Development Methodologies, including:

- Knowledge elicitation and capture
- Experiment design
- Performance monitoring
- Systems engineering
- Metrics
- Simulator fidelity analysis
- Optimisation
- Algorithms

4 Simulation and Training Technologies, including:

- Multimedia
- Computer/web-based training
- Intelligent tutoring systems
- Visual systems

- Databases
- Motion bases and control loading
- Simulator sickness
- Simulation tools
- Constructive simulation
- Low-cost simulation
- Behavioural modelling
- Computer Generated Forces
- Intelligent agents
- Artificial Intelligence
- Semi-Automated Forces

5 Synthetic Environments, including:

- Design and development of Synthetic Environments
- After Action Review
- Synthetic environments methodology
- Scenario management
- Synthetic environment based capability development
- Virtual Reality

6 Distributed Simulation, including:

- Distributed study environments
- Networks
- Simulation interoperability
- Data interchange
- High Level Architecture
- Distributed Interactive Simulation
- Simulation and Federation Object Models

7 Training, including:

- Training analysis, design, execution and evaluation
- Learning theory
- Embedded training
- Technology based training
- Distance/distributed learning
- Team training
- Training transfer
- Human factors
- Performance assessment
- Mission rehearsal

8 Operations, including:

- Planning and decision support
- Command and Control
- Joint operation

Keynote Presentations

Air Vice-Marshal John Quaife, AM

*Head Capability Systems
Department of Defence, Australia*

Defence Keynote Address



After a brief tour flying Canberra aircraft, Air Vice-Marshal John Quaife's early career focussed on fighter operations. He has flown Mirage IIIO aircraft and

has extensive experience operating F/A-18 Hornet aircraft. He is a Fighter Combat Instructor with in excess of 2000 hours fighter experience and from 1996 to 1998, AVM Quaife commanded No 77 Squadron.

Between 1992 and 1994, he served as a fast jet specialist officer in the Force Development Directorate of the Australian Defence Headquarters, primarily in developing the proposal for the acquisition of Hawk aircraft for Lead-in Fighter training. In 1999, AVM Quaife returned to that headquarters as the Director of Aerospace Combat Development.

In 2004, AVM Quaife was appointed the RAAF's first permanent Joint Force Air Component Commander, responsible for developing Air Operations Centre functionality within the Australian Theatre air component. Between December 2004 and April 2005, he served as the director of the US Combined Air Operations Centre where he was responsible for orchestrating coalition air power in both Iraq and Afghanistan.

AVM Quaife was promoted to his current rank in June 2005 and appointed as Air Commander Australia. In this role, he was responsible to the Chief of Air Force for the production and delivery of all air force combat capability. During his tenure, his responsibilities expanded to include the activity of Air Force Training Command.

He commenced his appointment to Head Capability Systems in August 2007.

AVM Quaife was appointed a Member of the Order of Australia in the Australia Day 2004 Honours List. He is a graduate of Canadian Forces Command and Staff College, a fellow of the Australian College of Defence and Strategic Studies and holds a Master of Arts in Strategic Studies from Melbourne's LaTrobe University.

A/Prof Marcus Watson

*A/Senior Director
Skills Development Centre
Queensland Health, Australia*

Simulation – The Human Factor



Marcus is a Cognitive Systems Engineer who has worked in defence and healthcare simulations. He is the Senior Director of the Queensland Health Skills Development

Centre. The Skills Development Centre provides the tools and training to improve the skills for doctors, nurses and allied health professionals in Australia and Asia Pacific, to enhance the quality of patient care.

He is also an Associate Professor of Medical Education in the School of Medicine and an Honorary Associate Professor in the School of Psychology at University of Queensland.

Marcus' current research examines the use of simulations to assess communication skills, procedural skills and equipment design. He has received national awards for innovation and the Jerome Ely Award for the Best Paper in Human Factors for 2004.

CAPT Patrick Murray

*Group General Manager
Air Transport Operations Group
Civil Aviation Safety Authority, Australia*

Simulation and Civil Aviation



Patrick served as a pilot with the Royal Air Force and the Royal Australian Air Force. His military career involved operational and display flying as well as instructional

roles and staff appointments. He completed tours in the UK and Australia as an instructor, examiner and flight commander at the Central Flying School. Fifteen years of international Airline flying followed where, as a Senior Check and Training Captain with Cathay Pacific Airways on the Boeing 747 fleets, he was extensively involved with Training development.

Patrick turned to full time research into airline safety in 2001, joining the LOSA Collaborative working in partnership with the University of Texas Human Factors Research Project.

Patrick has post-graduate qualifications in Business and Aviation Management. He holds fellowships of the Royal Aeronautical Society, the Chartered Institute of Transport and the Australian Organisation for Quality. He is a Liveryman of the Guild of Air Pilots and Air Navigators and was presented with the Guild's Master Air Pilot Award in 1998.

He is an adjunct lecturer at the Griffith University Aviation faculty and continues to conduct research into aviation safety and human factors.

Patrick is currently the Group General Manager of the Air Transport Operations Group of the Australian Civil Aviation Safety Authority.

Keynote Presentations *cont.*

Dr Jan Cannon-Bowers

*Senior Research Scientist
Institute for Simulation and Training
University of Central Florida, USA*

Developing Serious Games



Dr Jan Cannon-Bowers will overview the latest trends in Serious Games.

Jan Cannon-Bowers, Ph.D. holds MA and Ph.D. degrees in

Industrial/Organizational Psychology from the University of South Florida, Tampa, Florida. She recently left her position as the Navy's Senior Scientist for Training Systems to join the School of Film and Digital Media at the University of Central Florida (UCF), Orlando, Florida as an Associate Professor. As the team leader for Advanced Training Research for the Navy, she was involved in a number of research projects directed toward improving performance in complex environments. These included investigation of training needs and design for multi-operator training systems, tactical decision-making under stress, the impact of technology on learning and performance, training for knowledge-rich environments, human-centered design, human performance modeling and development of knowledge structures underlying higher order skills.

At UCF, Dr Cannon-Bowers is continuing her work in technology-enabled learning and human performance modeling. Her goal is to leverage and transition DoD's sizable investment in modeling, simulation and training to other areas such as entertainment, workforce development and life-long learning and education. To date, she has been awarded several grants to support this work, including a recent award by the National Science Foundation under their Science of Learning Center program. Dr Cannon-Bowers has been an active researcher, with over 100 publications in scholarly journals, books and technical reports, and numerous professional presentations. She is a Fellow of the Society of Industrial and Organizational Psychology (Division 14 of the American Psychological Association).

Derek Hunter

*Chief Executive Officer
Mining Industry Skills Centre
Queensland, Australia*

Mining / Construction Keynote Presentation



Derek Hunter, the Chief Executive Officer for the Mining Industry Skills Centre has spent almost 20 years as a specialist in education, organisational change, and leadership development for

large international and national companies.

In his position at the Mining Industry Skills Centre, Mr Hunter has taken on the challenge of assuring the timely development of a sustainable workforce aligned to the industry's requirements.

In the organisation's 2007 strategy, Mr Hunter outlined that the role of the Mining Industry Skills Centre is to facilitate the requirements of Industry and Government in relation to all matters of training provision and specifically Vocational Education and Training (VET). He added that the long-term focus is to negate the skills shortage for the future of the industry and provide a world class VET system tailored to industry need.

Through the development of innovative projects and initiatives as well as regular industry consultation and engagement, Mr Hunter and his team at the Mining Industry Skills Centre are well on their way to ensuring the implementation of this strategic direction.

Prior to joining the Mining Industry Skills Centre Mr Hunter held a variety of senior consulting positions which saw him working with a range of diverse companies, including Energy Resources Australia, Comalco Aluminum and Rio Tinto Ltd, to implement organisational change and leadership development programs.

From 1998-2000, Mr Hunter held the position of CEO at Kormilda College in Darwin where he was responsible for developing a unique multi-cultural independent school, servicing the needs of families in Darwin and the remote communities of the Northern Territory.

Mr Hunter's current position and his previous experience combine to give him a deep insight into the key issues and challenges facing the Australian mining industry.

Commissioner Greg Mullins AFSM

*New South Wales Fire Brigade,
Australia*

The Use of Modelling and Simulation in Emergency Management



Greg Mullins joined the NSW Fire Brigades in 1978, having been a volunteer bush firefighter since 1972. He was appointed to

the rank of Assistant Commissioner in July 1996, and on 4 July 2003 became the first fire officer in the 120 year history of the NSWFB to be appointed as both Chief Fire Officer and CEO.

He holds a Masters Degree in Management, has completed the Executive Fire Officer Program at the United States Fire Academy, the Oxford Strategic Leadership Program, and has been awarded the Australian Fire Service Medal, National Medal and 1st Clasp, NSW Fire Brigades Long Service and Good Conduct Medal with Clasp, Commendation for Courageous Action, and St Johns Ambulance Emergency Services Award. He is a Churchill Fellow and a Fellow of the Institution of Fire Engineers and Australian Institute of Management.



Special Presentations

Defence

The Defence Stream on Tuesday and Wednesday features speakers invited by the Australian Defence Simulation Office.

Transport

Multi-Crew Pilot Licence – A Change is in the Air

- Looking at the history and description of MPL
- Progress to date toward regulation and implementation
- Other issues impacting implementation

Keith Morgan (ADD PIC)

Keith is the Chief Executive Officer for the Flight Training Group, which incorporates Flight Training Adelaide (FTA), the soon to be commenced Flight Training Queensland, and a management and consultancy, Flight Training Service (FTS). FTA was awarded the 2007 National Export Award for Education and Training. Keith served as a Pilot and Qualified Flying Instructor in the RAAF for over 20 years, before becoming Chief Pilot for a Corporate Jet operation. In 1994, Keith joined FTA as Line Qualified Flying Instructor, before moving into business development and then taking the role of CEO for the organisation. He has over 3,000 hours in helicopters and 5,000 hours in fixed wing aircraft.

Serious Games

A separate Symposium will be held on Friday 16 May, with a focus on Healthcare and Emergency Management. See the website, or contact Consec for further details.

Simulation in Emergency Management and National Security

Thursday 15 May 1300-1600

Outline of Symposium

This symposium covers an overview of the key issues and concepts associated with the use of simulation within Emergency Management and National Security. Applications in this space include:

- Training for first responders
- Training and planning for rescue operations, including mining
- Command and control for emergency management
- Response planning and analysis
- Inter-agency collaboration in planning, exercises and operations
- Critical infrastructure protection
- Capability development and acquisition

The Symposium includes a range of speakers who will provide an introduction, case studies and lessons learnt and will conclude with a panel discussion on key issues.

Target Group

This symposium has broad applicability, from senior management and government officials who are seeking an overview of training, analysis and operational support in Emergency Management, to trainers, technologists and engineers who are interested in applications and new developments in this area.

This event will also provide an ideal forum for networking and discussion between government and industry groups working in Emergency Management and National Security.

Objective

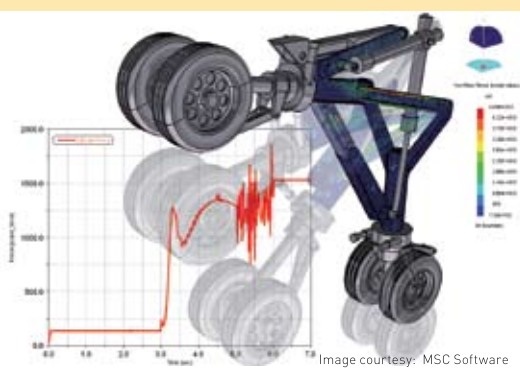
This symposium encourages those agencies and organisations with emergency management and security needs to engage with local and international providers, and to elicit areas of commonality, challenges, standards required, and mechanisms to jointly solve the complex problems.

Who Should Attend

Federal, state and local government agencies, defence, utilities, telecommunications providers, major infrastructure owners, healthcare, emergency management and national security consultants, simulation providers, and data providers.

Speakers

- **Greg Mullins AFSM**
Commissioner
NSW Fire Brigades, Australia
- **Chris Pogue**
President
CAE Professional Services, Canada
- **Richard Davis**
Head National Security Science & Technology Unit
Department of Prime Minister & Cabinet, Australia
- **Wayne Hartley**
Queensland Mines Rescue Service, Australia



Monday Workshops at a Glance

NO.	TUTORIAL / WORKSHOP	LENGTH	FORMAT*	TIME (am/pm)
W 1	SIAA Introduction to Simulation in Australia	½ day	Tutorial	AM
W 2	Simulation Support to Operations	½ day	Tutorial	AM
W 3	Using Simulation in a Training Environment	½ day	Workshop	PM
W 4	Simulation for Acquisition and Simulation in the Enterprise	½ day	Tutorial	AM
W 5	Training Debrief – Methods, Tools and Techniques	½ day	Tutorial	AM
W 6	Supporting Training Devices and Media – Lessons from the Field	½ day	Tutorial	PM
W 7	The Verification, Validation and Accreditation of Simulation Based Systems	½ day	Workshop	PM
W 8	Simulation Interoperability: TENA, HLA, DIS	½ day	Tutorial	AM
W 9	Networked Training – Benefits and Challenges	½ day	Tutorial	PM
W 10	The Use of Simulation for the Validation, Integration and Test of Live Systems	All day	Tutorial	AM/PM
W 11	Simulation and Operational Fidelity	½ day	Tutorial	PM

*Tutorial: Presentation style / Workshop: Interactive style



Image courtesy: 5DT Mining



Photo courtesy: Immersive Technologies

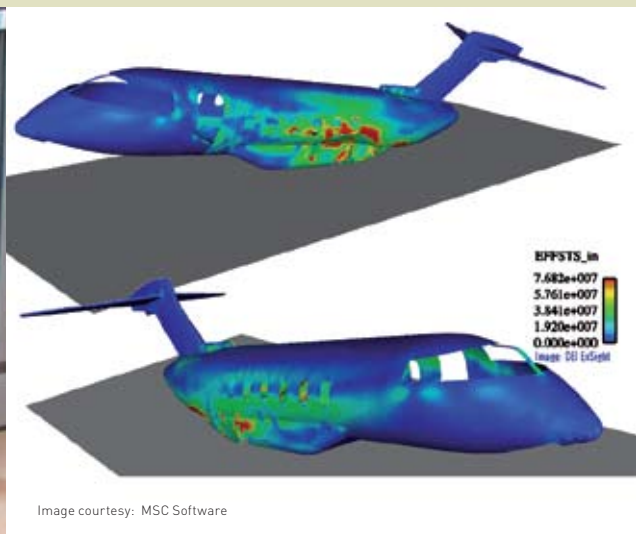


Image courtesy: MSC Software

Tutorials and Workshops (Monday 12 May 2008)

SIAA Professional Development and Continuing Education Units

The SIAA Professional Development Program encourages individuals to undertake ongoing professional development. Certified individuals will be required to earn Currency Units (CUs) to qualify for renewal of their certification every two years. The annual SimTecT Conference forms an important part of this ongoing program and CUs will be awarded for attendance at the Conference and participation in selected activities such as workshops. Details for SimTecT 2008 will be posted on the SimTecT and SIAA websites. General information regarding the SIAA Professional Certification Program and currency requirements are available from the SIAA website at www.siaa.asn.au/certification.

W 1 – SIAA Introduction to Simulation in Australia

Tutorial HALF DAY

Outline of Workshop

This half-day tutorial is an endorsed activity of the SIAA Professional Certification Program and designed to introduce people new to the field of simulation to its practise in Australia. Key organisations, standards and underpinning concepts are introduced through reference to Australian applications. Participants also undertake interactive activities to explore pathways for their professional development in the field.

Target group

This is an introductory-level tutorial aimed at people who have existing expertise which they wish to apply to the field of simulation, or who are undertaking entry-level formal qualifications in the field.

Benefits of participation

This tutorial is a pre-requisite to award of the SIAA Simulation Introduction Certificate. Participants in this tutorial will gain a fundamental understanding of the field of simulation and its application in Australia. Participants will also be provided with guidance on how to access resources and make informed decisions regarding their further professional development options.

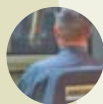
Outcomes for participants

Participants will be able to:

- describe the context of simulation in Australia
- apply fundamental simulation concepts in the workplace
- utilize the resources available to simulation professionals in Australia

Outline of program

1. Context of simulation in Australia
 - a. The SIAA and SimTecT
 - b. Simulation definitions
 - c. Forms and uses of simulation
 - d. Range of simulation applications in Australia
2. Fundamental simulation concepts
 - a. Fidelity
 - b. Resolution
 - c. Simulation and human behaviour
 - d. Verification, validation and accreditation
 - e. Effective deployment
 - f. Simulation and modelling standards
 - g. Simulation specifications
3. Resources available to simulation professionals
 - a. SIAA resources
 - b. Other organisations and events
 - c. The SIAA Professional Development and Professional Certification programs



Tutorials and Workshops (Monday 12 May 2008) *cont.*

W 2 – Simulation Support to Operations

Tutorial HALF DAY

Outline of Workshop

This tutorial will provide an overview of the key issues and concepts associated with the use of simulation for Military Operations. The tutorial will provide an introduction and case studies / lessons learnt from key practitioners in the field.

Target group

Military Analysts, Training Managers, Mission Rehearsal end-users and Training Simulation developers requiring an understanding of the uses / potential of Simulation for Operations, as well as wanting the experience of practitioners in the field.

Benefits of participation

Participation will generate a broad knowledge in the use of simulation to support Operations. It will provide lessons learned from practitioners and how it can be best managed and deployed for optimal analysis, decision support and training applications.

Outcomes for participants

Participants will gain a broad knowledge of the issues encountered in the use of operations support through simulation and how to optimally apply it in their own areas of application.

Outline of program

- a. Introduction and overview
- b. Background and history of support to operations
- c. Rehearsal for operations
- d. Planning for operations
- e. Execution of operations
- f. Simulation support to operations today
- g. Key benefits and issues
- h. Case studies
- i. Future trends

W 3 – Using Simulation in a Training Environment

Workshop HALF DAY

Outline of Workshop

This workshop will provide an overview of the key issues and concepts associated with the use of simulation for Training applications. This will cover from low-level Computer-Based Training and games to sophisticated mission simulators and embedded training applications. The workshop will provide an introduction and case studies / lessons learnt from key practitioners in the field.

Target group

Training Managers, training end-users and Training Simulation developers requiring an understanding of the uses / potential of simulation for Training in its various forms, as well as wanting the experience of practitioners in the field.

Benefits of participation

Participation will generate a broad knowledge in use of various simulation technologies to support Training. It will provide lessons learned from practitioners and how it can be best managed and deployed for optimal training transfer.

Outcomes for participants

Participants will gain broader knowledge of the issues encountered in the use of training through various simulation technologies and how to optimally apply them in their own areas of application.

Outline of program

- a. Introduction and overview
- b. Background and history of simulation in training
- c. The types of simulation technology in use for training
- d. Case studies
- e. Future trends

W 4 – Simulation for Acquisition and Simulation in the Enterprise

Tutorial HALF DAY

Outline of Workshop

This half-day tutorial will include guest lecturers who are able to provide insight into the use of simulation support across the acquisition life-cycle and at the enterprise level. Traditionally, simulation has only supported training, however, there is growing demand to extend simulation support across all phases of the acquisition life-cycle and in all facets of engineering design and development. This tutorial aims to cover concepts and worked examples in applying simulation support to acquisition with a focus on how industries have integrated simulation at the enterprise level.

Target group

The tutorial is aimed at those seeking to improve the use of simulation support to the acquisition life-cycle and use of simulation at the enterprise level.

Benefits of participation

Participation will generate a broad knowledge in use of simulation to support the acquisition life-cycle and how to leverage simulation assets in previously stove-piped areas to become enterprise-level capabilities.

Outcomes for participants

Participants will gain a broad knowledge of simulation support to acquisition activities currently underway or completed. They will be able to apply this knowledge to their own capability programs and corporations. They will be able to participate in an open forum for expressing views on how to improve this application area.

Outline of program

- a. Introduction to simulation across the acquisition life-cycle and its use throughout the corporation
- b. Guidance for improving the use of simulation throughout the enterprise and program lifecycle
- c. Case studies
- d. Open discussion. Where to from here?

Tutorials and Workshops (Monday 12 May 2008) *cont.*

W 5 – Training Debrief – Methods, Tools and Techniques

Tutorial HALF DAY

Outline of Workshop

This tutorial will provide an overview of the key issues and concepts associated with debrief for Training applications. The issues with large amounts of data collected during training runs and how this data is processed, communicated and fed back to trainers and trainees. This will cover tools, processes and issues. The tutorial will provide an introduction and case studies / lessons learnt from key practitioners in the field.

Target group

Training Managers, training end users and Training Simulation developers requiring an understanding of the uses / potential of simulation for Training Debrief, the techniques and technologies in various forms, as well as wanting the experience of practitioners in the field.

Benefits of participation

Participation will generate a broad knowledge in use of various simulation debrief technologies to support Training. It will provide lessons learned from practitioners and how debrief can be best managed and deployed for optimal training transfer.

Outcomes for participants

Participants will gain broader knowledge of the issues encountered in the use of training debrief through various simulation technologies and how to optimally apply it in their own areas of application.

Outline of program

- Introduction and overview
- The types of simulation technology in use for training
- Debrief tools
- Debrief techniques
- Case studies
- Future trends

W 6 – Supporting Training Devices and Media – Lessons from the Field

Tutorial HALF DAY

Outline of Workshop

This workshop will provide an overview of the key issues and concepts associated with the support of those training environments using simulation as a training medium, ranging from Computer-Based Training to sophisticated mission simulators. The workshop will provide an introduction and case studies / lessons learnt from key practitioners in the field.

Whilst it is intended as a follow-on from the SIAA Introduction to Simulation in Australia (ISA), and a lead in to more specialised SIAA PD Skill Groups, ISA attendance is not mandatory. It should not be considered as limited to that interest group.

Target group

- Simulator acquisition and design teams, support managers, customers and training end users.
- Members of industry requiring an understanding of the establishment of training environments utilising simulators, focusing on long term support viability.
- Industry members wishing to hear issues encountered by practitioners in the field.

Benefits of participation

- Participation will generate a broad knowledge in the establishment and support of environments utilising simulators for training.
- It will provide knowledge on the acquisition process and its impact on through-life-support.
- It will provide lessons learned from practitioners and how these can be best deployed for optimal and cost efficient utilisation and long-term viable support of these devices.

Outcomes for participants

Participants will:

- understand the three main governing authorities associated with a simulation based training environment, and how these relate to each other.
- be able to identify the issues encountered in the creation of a training environment utilising simulators as a core training element.
- be able to anticipate the impact to through-life-support of critical contractual, design and engineering decisions during the acquisition phase and how to optimally apply this knowledge to create an operational training environment.
- learn to identify the symptoms of incorrectly defined environments and possible remedial actions.

Outline of program

- Introduction to the topic
- Introduction to an operational training environment

Including:

- Concepts of fidelity WRT support and training
 - An introduction to the three main authorities of training, engineering and maintenance, and the relationship between these authorities
- Introduction to Through-Life-Support (TLS)
 - Including:*
 - What it does and its impact on training outcomes
 - Engineering and baseline deltas
 - The acquisition process and ramp-up to RFT
 - Including:*
 - Facility and staffing requirements
 - Customer relationships
 - Contracting models (on-site vs OEM)
 - Scheduling and utilisation
 - Engineering implications and support impact
 - The importance of an "Operational Requirements Specification" for effective through-life-support
 - Introduction to Through-Life-Support
 - Including:*
 - An introduction to maintenance management systems
 - The essential role of acquisition
 - Case studies

Tutorials and Workshops (Monday 12 May 2008) *cont.*

W 7 – The Verification, Validation and Accreditation of Simulation Based Systems

Workshop HALF DAY

Outline of Workshop

This half-day workshop covers key principles of Verification, Validation and Accreditation (VV&A) of Simulation Based Systems, with examples and small-group exercises of tasks leading from initial testing / testability analysis of the simulation system to full VV&A of the required simulation functionality. It will provide an overview of the issues inherent in Verification, Validation and Accreditation of simulation based systems. What this means, how it is done and why and some case studies as well as relevant standards and approaches specific to different training domains, both commercial and Defence.

Target group

This is an introductory-level workshop aimed at two groups: 1) those who have an understanding of simulation technologies and who are seeking a better understanding of VV&A; and 2) those who have an understanding of VV&A in their own domain and are interested in how it is practiced in other domains.

Benefits of participation

Participants in this workshop will gain practice in the process of defining and using VV&A for both training and other simulation technologies. They will debate the key issues in VV&A for simulation and be better prepared to plan and contribute to such studies in the future.

Outcomes for participants

Participants will be able to:

- describe how processes for the conduct of VV&A analysis can be applied to simulation
- debate key issues in achieving a valid and reliable simulation VV&A outcome
- critically assess the planning and conduct of VV&A for simulation

Outline of program

- a. Principles and overview of VV&A
- b. Approaches to VV&A – Commercial and defence
- c. Practical exercise – performing a VV&A on an example simulator
- d. Exercise discussion and wrap up

W 8 – Simulation Interoperability: TENA, HLA, DIS

Tutorial HALF DAY

Outline of Workshop

TENA promises to provide a mechanism to link test ranges, training ranges, laboratories and variety of modelling and simulation assets. This workshop will review current approaches in distributed simulation, including HLA and DIS, and contrast and show the specific approaches, technology and application areas that stand TENA apart from the rest.

Target group

Managers, users and engineers with an interest in Joint and Coalition exercises, exercise and test ranges and the linking of simulation assets via distributed simulation technologies.

Benefits of participation

Participants will gain an understanding of the key managerial and technical issues in regard to the use of distributed simulation generally and where TENA plays a role specifically.

Outcomes for participants

Participants will have an understanding of the applications for, and technologies used in, distributed simulations and TENA specifically. A high-level understanding of TENA and how it differs from other distributed approaches.

Outline of program

- a. Introduction and Overview
- b. Overview of key distributed simulation approaches
- c. Overview of TENA
- d. TENA applications
- e. The future of TENA

W 9 – Networked Training – Benefits and Challenges

Tutorial HALF DAY

Outline of Workshop

The Joint Combined Training Capability (JCTC) and Fleet Synthetic Training (FST) highlight the importance attached to interoperable and joint training. This tutorial will provide an overview of the key issues and concepts associated with the use of networked and interoperable simulation for Training applications. This tutorial will not focus as much on the technologies but the training benefits to be derived from linking simulators and the difficulties encountered. The tutorial will provide an introduction and case studies / lessons learnt from key practitioners in the field.

Target group

Training Managers, training end users and Training Simulation developers requiring an understanding of the uses / potential of networked simulation for Training in its various forms, as well as wanting the experience of practitioners in the field.

Benefits of participation

Participation will generate a broad knowledge in the use of networking to support Training. It will provide lessons learned from practitioners and how it can be best managed and deployed for optimal training transfer.

Outcomes for participants

Participants will gain a broad knowledge of the benefits and issues encountered in the use of networked training.

Outline of program

- a. Introduction and overview
- b. Background and History of networked simulation in training
- c. Why networked training? The benefits to learning transfer and challenges inherent in networked training
- d. Case studies and lessons learned
- e. Future trends

Tutorials and Workshops (Monday 12 May 2008) *cont.*

W 10 – The use of Simulation for the Validation, Integration and Test of Live Systems

Tutorial FULL DAY

Outline of Workshop

The key focus of this tutorial is on how simulation systems have been deployed in the domain of engineering support and used to validate designs and integrate and test live systems before they are operationally deployed. This tutorial will cover key issues and application areas. It will provide the experiences of various practitioners in this area and provide the opportunity for exchange of ideas.

Target group

Anyone involved in managing and/or working in Engineering Support, Integration and Test Engineering, Research & Development or Experimentation in Defence or Industry who has needed to define and understand their requirement for simulation to assist in live system verification. This includes individuals involved in identifying supporting simulation for the capability acquisition life-cycle of a system.

Benefits of participation

- understand how to match analysis engineering support needs to simulation requirements
- learn from the experiences of other practitioners
- understand the process of application of simulation to engineering support

Outcomes for participants

Improved understanding and ideas on how to properly apply simulation to engineering support areas.

Outline of program

- Introduction and overview
- Integration, test and engineering support overview
- Areas of engineering support amenable to simulation-assistance
- Case studies
- Facilitated panel discussion/open forum

W 11 – Simulation and Operational Fidelity

Tutorial HALF DAY

Outline of Workshop

This tutorial will provide an overview of the key issues and concepts associated with simulator operational fidelity and the aspects of a whole simulation experience (apart from the device itself) which affect the transfer of training. It will cover a variety of domains and how operational fidelity is provided uniquely in each.

Aspects covered include:

- Usefulness of low fidelity devices vs high fidelity devices
- Transfer of training issues (simulators vs mission system experience)
- The critical role played by the instructor
- The deployment of human factors in areas related to simulation technology, such as training, as well as other areas.

Target group

Program Managers, Engineering Managers, Technologists and Engineers in various disciplines that have exposure to simulation Human Factors and Fidelity issues and would like to learn more about this field.

Benefits of participation

Participation will generate a broad knowledge in concepts and use of various devices in the learning transfer process and the role of simulation in relation to other methods and how fidelity plays a role in these.

Outcomes for participants

Participants will gain broader knowledge of the issues encountered in the use of operational fidelity considerations in system selection and how to optimally apply it in their own areas of application.

Outline of program

- Introduction and overview
- Fidelity
- The process of learning transfer and the progression from classroom to live system
- Case studies
- Future trends



Site Visits

This year the SimTecT 2008 Organising Committee has arranged two interesting site visits. Delegates will be transported from the Convention Centre to and from each venue. For the site visit north of the city (QANTAS), the coach will go to the airport before returning to the Convention Centre. - TBC

All site visits are subject to a minimum number of ten (10) persons. – TBC

Date:	Thursday, 15 May 2008
Time:	1300–1600
Meeting Place:	SimTecT 2008 Registration Desk at 1250
Cost:	\$44
Transport:	Coach

Site Visit 1

SV 1 – Qantas

QANTAS Simulation Facility

Maximum Numbers: twenty (20) persons. Delegates will be registered on a first-come, first-allocated basis.

NOTE: Delegates must register prior to 25th April 2008.

Observation of Full Flight Simulators – B737-300, B737-400, B737-800. Access to some or all simulators during the tour subject to training usage and security arrangements. Observation of Emergency Procedures Training Equipment, including B737-800 Cabin Evacuation Trainer. Various Aircraft Door Trainers, Pool, Rafts and Slides.

A small scenario may be able to be run in the Cabin Evacuation Trainer, subject to training usage and security arrangements.

Proposed Visit Schedule

1345–1400	Arrive at security for visitor induction process
1400–1415	Introductions and tour of cabin services facility
1415–1445	Tour emergency procedures facility
1445–1600	Tour simulator facility
1600–	Depart facility via security

Delegates' details will be passed onto QANTAS for a security check.

Site Visit 2 (Two Facilities)

SV 2 – Motion Capture Facility

The Deakin Motion.Lab

The Deakin Motion.Lab is the largest and most sophisticated motion capture studio in Australia. Established in 2006 at Deakin University, in partnership with Multimedia Victoria and Melbourne animation company Act3animation, the Deakin Motion.Lab undertakes teaching and research in motion capture as well as commercial animation for the computer game and video industries.

The studio is fitted with a 24 camera Motion Analysis optical motion capture system, the same technology used by Weta Digital for feature films Lord of the Rings and King Kong. The system provides precise tracking of 40+ markers on an actor's body. The data can be used to measure movement quality and coordination in ergonomic and biomechanics research, to create realistic visualizations for the study of task-oriented movement in a variety of industrial contexts, or to create highly realistic animated characters.

The Deakin Motion.Lab provides training in motion capture, research in motion capture related areas, and commercial animation services.

SV 2 – Games Development Facility

Transmission Games

Production Managers will describe the issues involved with developing and marketing games such as: "Heroes of the Pacific" and "Ricky Ponting: Pressure Play".

Social Program

Welcome Reception

Sponsored by Raytheon Australia



Date: Monday 12 May 2008
 Time: 1700-1900
 Location: SimTecT Trade Exhibition Area
 YouYangs Exhibition Hall
 Melbourne Convention Centre
 Cost: \$66.00pp (or included in Full Registration Fee)

Conference Dinner

Sponsored by CAE Professional Services



Date: Wednesday 14 May 2008
 Time: 1900-2330
 Location: Melbourne Convention Centre
 Cost: \$125.00pp (or included in Full Registration Fee)

The Conference Dinner will be held at the Melbourne Convention Centre. Pre-dinner drinks will commence at 1900 and dinner from 1930. The dinner is included in the registration fee for "Full Registration" delegates only. Additional tickets may be purchased for \$125.00pp.

Social Evening

Date: Tuesday 13 May 2008
 Time: 1930-2230
 Location: Sails on the Bay Restaurant
 Cost: \$110.00pp

Sails on the Bay is situated a short drive from Melbourne's CBD, 2 minutes from St Kilda. Surrounded by glass, Sails on the Bay is a Melbourne restaurant which sits one metre from the golden sands of Elwood Beach. The menu offers beef, duck, lamb and vegetarian options, with an Asian influence. The service is wonderful and the wine list is also excellent.

Golf Day - SimTecT 2008 Golf Challenge

Each year, the SimTecT Organising Committee hosts a golf challenge to kick off SimTecT. This has proved to be very popular since its inauguration a few years ago, so bring your clubs and enjoy a day of networking with your colleagues!

Date: Monday 12 May 2008
 Start: 0930
 Location: Eastern Golf Club
 473 Doncaster Road
 DONCASTER VIC 3108

The course is a challenging 18 hole par 71 positioned amongst native trees, and with an abundance of bird life adding to its charm and character the course provides an excellent and enjoyable test for all golfers.

Tee Off: 1000
 Finish & depart: 1600
 Cost: \$85.00 - SIAA Member and Defence
 \$110.00 - Non-member

Includes:

- Green fees
- Pull carts (**Eastern is strictly a walking course**)
- Light lunch

Equipment:

It is important to note that all players must have their own set of clubs to play. The Pro shop has half sets available for \$20.00, including buggy and shoes, with full sets for \$35.00. Please note that two weeks notification is required.

For further information on Eastern Golf Club including dress regulations etc please visit the Eastern Golf Club website at www.easterngolfclub.com.au

Trade Exhibition

The trade exhibition will be located in the YouYangs Exhibition Hall of the Melbourne Convention Centre. It will feature local and overseas companies, professional associations, media and end-user organisations.

Exhibition Hours

Monday 12 May 2008	0830-1900
Tuesday 13 May 2008	0830-1700
Wednesday 14 May 2008	0830-1700
Thursday 15 May 2008	0830-1300

For enquiries regarding trade exhibition opportunities, please contact:

Michaela Andelova
SimTecT 2008 Conference Secretariat
 Tel: +61 2 6251 0675
 Facsimile: +61 2 6251 0672
 Email: simtect2008@consec.com.au

Sponsorship

For enquiries regarding sponsorship opportunities, please contact:

Michaela Andelova
SimTecT 2008 Conference Secretariat
 Tel: +61 2 6251 0675
 Facsimile: +61 2 6251 0672
 Email: simtect2008@consec.com.au



Registration Fee Inclusions

Full Registration

- Welcome Reception
- Conference Dinner
- Morning/afternoon teas and lunches
- Admission to all Conference sessions
- Admission to trade exhibition
- Delegate listing, and
- Satchel including name badge, Conference handbook/program and Conference proceedings

Student Registration

- Morning/afternoon teas and lunches
- Admission to all Conference sessions
- Admission to trade exhibition
- Delegate listing, and
- Satchel including name badge, Conference handbook/program and Conference proceedings

Day Registration

- Morning/afternoon tea and lunch on a nominated day
- Admission to all Conference sessions on a nominated day
- Admission to trade exhibition
- Delegate listing, and
- Satchel including name badge, Conference handbook/program and Conference proceedings

Workshops (Monday)

- Morning and/or afternoon tea
- Lunch
- Course notes for the nominated workshop
- Admission to trade exhibition

Preliminary Program Outline

Monday 12 May 2008

0930–1600	Golf Challenge
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Conference Workshops

0830–1200	SIAA Introduction to Simulation in Australia
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0830–1200	Simulation Support to Operations
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0830–1200	Simulation Interoperability: TENA, HLA, DIS
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0830–1200	Simulation for Acquisition and Simulation in the Enterprise
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0830–1200	Training Debrief – Methods, Tools and Techniques
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0830–1630	The Use of Simulation for the Validation, Integration and Test of Live Systems
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1200–1300	Lunch
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1300–1630	Supporting Training Devices and Media - Lessons from the Field
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1300–1630	The Verification, Validation and Accreditation of Simulation Based Systems
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1300–1630	Using Simulation in a Training Environment
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1300–1630	Networked Training – Benefits and Challenges
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1300–1630	Simulation and Operational Fidelity
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1630–1700	Speakers/Session Chairs Meeting
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1700–1900	Welcome Reception
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Tuesday 13 May 2008

0830–0840	Welcome Address – Alan Johnson, SIAA Chairman
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0840–0900	Opening Address
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0900–1000	Defence Keynote Address – AVM John Quaipe
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1000–1030	Morning Tea
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1030–1230	Paper Presentations
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1230–1330	Lunch
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1330–1430	Social and Organisation Learning Keynote Address – Assoc. Professor Marcus Watson
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1430–1530	Paper Presentations
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1530–1600	Afternoon Tea
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1600–1730	Paper Presentations
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1930–2230	Social Evening
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Preliminary Program Outline *cont.*

Wednesday 14 May 2008

0830-0930	Serious Games Keynote Address – Dr Jan Cannon-Bowers
0930-1000	Paper Presentations
1000-1030	Morning Tea
1030-1230	Paper Presentations
1230-1330	Lunch
1330-1430	Transportation, Aerospace, Civil Aviation Keynote Address – CAPT Patrick Murray
1430-1530	Paper Presentations
	Special Presentation – Transportation, Aerospace, Civil Aviation – Keith Morgan
1530-1600	Afternoon Tea
1600-1730	Paper Presentations
1900-2330	Conference Dinner

Thursday 15 May 2008

0830-1000	Paper Presentations
	Special Paper Presentation – Mining Systems
1000-1030	Morning Tea
1030-1130	National Security Keynote Address - Commissioner Greg Mullins
1130-1225	Mining/Construction Keynote Address – Mr Derek Hunter
1225-1230	Closing Remarks
1230-1300	Lunch
1300-1600	Site Visits
1300-1600	Emergency Management / Mining Symposium

Friday 16 May 2008

0900-1600	Serious Games Symposium Healthcare and Emergency Management
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Disclaimer: The Conference program and registration information is correct at the time of printing. However, the organisers reserve the right to change the information where necessary without notice.

General Information

Welcome to Melbourne

Melbourne has been described as a "tidy, balanced grid of neatly angled streets". But underneath this image of conservatism lies a bustling, stimulating energy. Evidence of this lies in the distinct flavour and charm found in each of the precincts, which make up the CBD.

Blessed with a temperate climate, a positive business environment and a Victorian Government committed to attracting quality, high profile events and new investments, Melbourne offers interstate and international visitors with so much to see, do and enjoy.

Accommodation

A block booking of accommodation has been booked at nearby properties in the Melbourne Convention Centre precinct for the **SimTect 2008 Conference**. Please indicate your accommodation requirements on the registration form attached.

In order to secure your room, please include a minimum of one (1) night's room rate (either by cheque or credit card) as a deposit on your registration form with the balance of your accommodation to be settled directly with the hotel on departure. Alternatively, you can provide credit card details, which can either be forwarded to the hotel directly or debited for a deposit (please check the appropriate box on the registration form).

Room configurations will be allocated on a first come first basis.

Please note: Deposits and/or full pre-payment for accommodation must be received at the Secretariat no later than Friday 11 April 2008. Bookings made after that date cannot be guaranteed. For any rooms cancelled prior to arrival, or where a delegate does not arrive on the date booked, a cancellation fee will be charged to the participant. Please note the cancellation policy against each hotel description. Accommodation deposits may be forfeited if the room is not occupied on the requested check-in date.

All bookings, alterations or cancellations should be made to the Conference Secretariat in writing.

Please do not contact the hotels directly.

Banks

Melbourne's banking hours are generally Monday to Thursday 0900–1600 and Friday 0900–1700. All the major banks, such as Westpac, ANZ, Commonwealth and National Australia Bank have offices in Melbourne. In Melbourne, all main banks are equipped to exchange foreign currency. You can also exchange foreign currency any day or night at the airport, or during normal business hours in Melbourne's central business district.

Car Parking


Located below the Melbourne Convention Centre, there are 590 undercover parking spaces managed by Wilsons Carparking. The entrance is off Siddeley Street, located in the multi-storey carpark. It is open 24 hours, 7 days a week. Rates are as follows:

Early bird:	\$10.00 Mon-Fri (enter between 0600 and 0900, exit after midday and before midnight)
First hour:	\$6.00
Maximum charge:	\$26.00
Weekend:	\$10.00 per 24 hours from 0600 Saturday until 0600 Monday

Climate

With its variable climate, Melbourne is mild in Autumn. Temperatures average approximately 17–19°C.

Conference Secretariat

 Consec – Conference Management
PO Box 3127, BMDC ACT 2617
AUSTRALIA

Telephone: +61 2 6251 0675
Facsimile: +61 2 6251 0672
Email: simtect2008@consec.com.au

Conference Manager: Barry Neame
Conference Coordinator: Michaela Andelova

Cancellation and Refund Policy

Delegates who find themselves unable to attend the Conference after submitting a registration form are most welcome to nominate a substitute. In the case of a cancellation, delegates must inform the Conference Secretariat in writing of their inability to attend. A refund of registration fees, less a cancellation fee of \$110.00 including GST can only be made if you cancel on or before 4 April 2008. Refunds will be issued after the Conference.

Changes/Amendments

Alterations to, or cancellations of, your Conference booking must be advised to the Conference Secretariat via email at simtect2008@consec.com.au or fax to +61 2 6251 0672. Due to administrative requirements, changes and/or alterations advised verbally cannot be accepted.

Conference Venue

Melbourne Convention Centre

The venue for the **SimTect 2008 Simulation Conference and Exhibition** is the Melbourne Convention Centre, located on the north bank of the Yarra River, opposite Batman Park, in Melbourne's CBD.

The venue has won many prestigious awards for excellence, and was the first to be named the world's "Best Congress Centre" by the Association Internationale des Palais de Congres (AIPC), as well as receiving several awards from the Meetings Industry Association of Australia.

The Melbourne Exhibition and Convention Centre has 50 meeting rooms and can host 10 to 3500 people. Telephone: 03 9235 8000

Disclaimer

The Conference program and registration information is correct at the time of printing. However, the organisers reserve the right to change the information where necessary without notice.

Dress

Recommended dress for the Conference is:

ADF Uniformed Personnel: Dress of the day or equivalent business attire for Conference sessions. Mess kit, dress of the day or lounge suit for the Conference dinner. Smart casual attire for other social events.

Civilians: Casual business attire for Conference sessions. Lounge suit for the Conference dinner. Smart casual attire for other social events.

Liability Waiver

In the event of industrial disruptions, the Conference and the organisers accept no responsibility.

In the event of the venue becoming unusable, or other circumstances, or the need to cancel the Conference, there can be no liability on the organisers.

No-Smoking Policy

All the function rooms at the Melbourne Convention and Exhibition Centre are NON-SMOKING.

Personal Insurance

Delegates shall be regarded in every aspect as carrying their own risk for loss or injury to person or property, including baggage during the Conference. We strongly recommend that at the time of booking your travel and tours you take out a travel insurance policy of your choice.

The policy taken should include the loss of deposit through cancellation, medical insurance, loss or damage to personal property, financial loss incurred through disruptions to accommodation or travel arrangements due to strikes or industrial action. The organisers are in no way responsible for any claims concerning insurance.

Privacy Clause

In registering for this Conference, relevant details will be incorporated into a delegate list for the benefit of all delegates (name and organisation only), and may be made available to parties directly related to the Conference including Consec – Conference Management, the Simulation Industry Association of Australia (SIAA), the Conference Organising Committee, venues and accommodation providers (for the purposes of room bookings and Conference options), key sponsors (subject to strict conditions) and parties associated with related Conferences.

By completing this registration form, you acknowledge that the details (name, organisation and state) supplied by you may be used for the above purposes. Should you not wish for your details to be used for these purposes, please tick the appropriate box on the registration form. For further details, see www.siaa.asn.au

Registration Desk

The Conference Registration Desk will be situated outside the YouYangs Exhibition Hall and staffed as follows:

Monday 12 May	0800–1900
Tuesday 13 May	0800–1700
Wednesday 14 May	0800–1700
Thursday 15 May	0800–1400

Special Needs

We endeavour to ensure delegates with special needs are catered for. Should you require particular assistance, please make a note on your registration form or contact the Conference Secretariat by fax: +61 2 6251 0672 or email: simtect2008@consec.com.au

Transport from the Airport

Melbourne Airport is approximately 30 minutes by taxi to the CBD. This will cost approximately AUD\$40.00. Alternatively, the Skybus Super Shuttle runs regularly to and from the airport at a cost of approximately AUD\$15.00 one-way.

Travel – International

Visa Requirements

Participants of an event or conference in Australia will generally need to apply for a subclass 456 Business (Short Stay) Visitor Visa.

Visas are available from your local Australian Embassy, Consulate or High Commission. For the location of your nearest Consulate visit the Department of Foreign Affairs and Trade's website at www.dfat.gov.au/missions

Further information regarding visa requirements can be found at www.immi.gov.au/skilled/business/business-visit-visa-options.htm

Customs Requirements

Please refer to the Australian Customs Service website at www.customs.gov.au for items that must be declared at the time of arrival into Australia.

Goods and Services Tax

A Goods and Services Tax of 10% is levied on most purchases in Australia and is included in the purchase price of the goods or service. You may be eligible for a refund of the GST on goods purchased in Australia. For more information visit www.customs.gov.au

Passenger Movement Charge

A passenger movement charge (departure tax) of AUD\$38.00 is payable by all persons 12 years or older upon leaving Australia. Most airlines flying into Australia now include a passenger movement charge in the ticket price.

Website

Please check the SimTect website for regular Conference updates and online registration at: www.simtect.com

Accommodation

Grand Hotel managed by Sofitel

★★★★★

33 Spencer Street
Melbourne VIC 3000

Check-in: 1400
Check-out: 1100

Studio Suite

AUD\$255.00 room only per night

1 Bedroom Suite

AUD\$285.00 room only per night

The Grand Hotel managed by Sofitel is positioned to experience a full variety of Melbourne's most celebrated attractions like the Telstra Dome, cosmopolitan shopping areas and the Yarra River's South bank with its multitude of restaurants and cafes. The Grand Hotel is approximately 25 kilometres from Melbourne's international and domestic airport. The hotel is approximately a five minute walk to the Melbourne Convention Centre.

CANCELLATION POLICY: Within 7 days and the arrival date, 1 nights deposit may be forfeited

Crown Promenade Hotel

★★★★★

8 Whiteman Street
Southbank, Melbourne VIC 3006

Check-in: 1400
Check-out: 1100

Standard Room

AUD\$245.00 room only per night

Crown Promenade Hotel is located in Melbourne's lively Southbank entertainment precinct and directly linked to the exciting Crown Entertainment Complex by an air bridge. Crown Promenade Hotel is also close to the Central Business District and the city's most famous arts and sporting facilities. The hotel is approximately a five minute walk from the Melbourne Convention Centre, and is approximately 30 minutes from the airport and should cost around AUD\$50.00 in a taxi fare.

CANCELLATION POLICY: Within 24 hours and the arrival date, 100% cancellation fee will be charged

Vibe Savoy Hotel

★★★★★

630 Little Collins Street
Melbourne VIC 3000

Check-in: 1400
Check-out: 1100

Standard Room

AUD\$193.00 room only per night

Vibe Savoy Hotel is ideally positioned opposite the central railway station with views of the Docklands. Located in the CBD it is close to the Telstra Dome Stadium, Yarra River and the Crown Casino. It is approximately a five minute walk to the Melbourne Convention Centre. It is also approximately 20 minutes by taxi to the airport and should cost around AUD\$35.00 in a taxi fare.

CANCELLATION POLICY: Within 7 days and the arrival date, 1 nights deposit may be forfeited

Holiday Inn on Flinders

★★★★★

575 Flinders Lane
Melbourne VIC 3000

Check-in: 1400
Check-out: 1100

Standard Room

AUD\$245.00 room only per night

Holiday Inn on Flinders is located in the heart of Melbourne's CBD with most of the sightseeing spots, arts and cultural centres in close proximity. The Telstra Dome, Docklands Precinct, Southbank Entertainment and Casino Complex and city shopping areas are all within walking distance. The hotel is approximately 30 minutes from the airport and should cost approximately AUD\$50.00 in a taxi fare. Holiday Inn on Flinders is approximately a five minute walk from the Melbourne Convention Centre.

CANCELLATION POLICY: Between 29 and 6 days, 50% cancellation fee will be charged; within 5 working days, 100% cancellation fee will be charged

Kingsgate Hotel Melbourne

★★★

131 King Street
Melbourne VIC 3000

Check-in: 1300
Check-out: 1000

Standard Room

AUD\$112.00 room only per night

Kingsgate Hotel Melbourne is conveniently located in King Street providing access to the Coach Terminal and the Airport Skybus. Melbourne's Crown Casino, Melbourne Aquarium, Rialto Observation Deck and the Yarra River is only a short stroll away, as are an abundance of shops and restaurants. The hotel is approximately a 10 minute walk from the Melbourne Convention Centre and five minutes by train. It is approximately 25 minutes away from the airport and should cost around AUD\$50.00.

CANCELLATION POLICY: Within 48 hours and the arrival date, 1 nights deposit may be forfeited





Registration Form – Contact details

Register online at www.simtect.com

Title (Prof/Dr/Mr/Ms/Rank)		Given Name	
Surname			
Preferred Name for Badge			
Position in Organisation			
Department / Organisation			
Postal Address			
Suburb	State	Postcode	
Phone (work)		Facsimile	
Mobile*		Email	
Special Requirements (dietary or otherwise):			
*Mobile numbers may be used for SMS messages during the Conference			

CONFERENCE PROCEEDINGS

Included in Full Registration Fee – please specify one format only: Printed Copy or CD Rom

Accommodation

PRICES INCLUDE GST

TYPE OF ACCOMMODATION REQUIRED:

Single Double Twin Smoking Non smoking

***Please note: The above is available subject to the time your registration form is received and availability with the hotel at time of check in. We will endeavour to meet your requests; however we are unable to guarantee this.*

HOTEL

GRAND HOTEL managed by Sofitel – 5 star	<input type="checkbox"/> Studio Suites	\$255.00 room only per night
	<input type="checkbox"/> 1 Bedroom Suites	\$285.00 room only per night
CROWN PROMENADE HOTEL – 4 star	<input type="checkbox"/> Standard Room	\$245.00 room only per night
VIBE SAVOY HOTEL – 4 star	<input type="checkbox"/> Standard Hotel Room	\$193.00 room only per night
HOLIDAY INN ON FLINDERS – 4 star	<input type="checkbox"/> Standard Room	\$245.00 room only per night
KINGSGATE HOTEL MELBOURNE – 3 star	<input type="checkbox"/> Standard Double Room	\$112.00 room only per night

Arrival Date:	Departure Date:	Estimate time of arrival:
I wish to share accommodation with:		

ACCOMMODATION CANCELLATION/REFUNDS

Delegates who cancel their accommodation booking must inform the Conference Secretariat in writing of their cancellation before **11 April 2008**. No refunds for accommodation cancellations will be made after that date. Refunds will be issued after the Conference.

Registration Form – Payment Details

Register online at www.simtect.com

PRICES INCLUDE GST

REGISTRATION

<input type="checkbox"/> Full Registration early bird fee (Before 4 April 2008)	\$895.00
<input type="checkbox"/> Full Registration fee (Received after 4 April 2008)	\$995.00
<input type="checkbox"/> Student Registration* (Proof of full-time status required)	\$295.00
<input type="checkbox"/> Day Registration* Please nominate which day you will attend: <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday	\$495.00
<input type="checkbox"/> Workshops only (Monday) – please select the workshop you wish to attend in the workshops section.	

* Dinner and Welcome Reception not included in Student or Day registration fee

HOTEL DEPOSIT

<input type="checkbox"/> Hotel Deposit OR Full Pre-payment (One night's accommodation minimum) <i>To secure your accommodation booking, please include with your registration payment, a deposit equivalent to one night's accommodation by 11 April 2008.</i>	\$
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OR

<input type="checkbox"/> Yes I agree to my credit card details being forwarded to the hotel to guarantee my reservation. <i>Please note your credit card details are required to guarantee your room. Neither Consec – Conference Management nor the hotel will make any charges against your credit card unless you fail to give sufficient notice in writing of your cancellation to the Conference Secretariat. Full payment of your hotel account will be required at the time of your departure.</i>
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SOCIAL PROGRAM

For catering purposes, please indicate if you are attending these functions:

- Welcome Reception (incl. in Full Registration Fee)
 Conference Dinner (incl. in Full Registration Fee)

Note: No indication will be registered as a NON-ATTENDANCE.

ADDITIONAL TICKETS

<input type="checkbox"/> Golf Day	Defence and SIAA Member @ \$85.00	\$
	Non-SIAA Members @ \$110.00	\$
<input type="checkbox"/> Welcome Reception	No. of tickets: @ \$66.00	\$
<input type="checkbox"/> Social Evening	No. of tickets: @ \$110.00	\$
<input type="checkbox"/> Conference Dinner	No. of tickets: @ \$125.00	\$

WORKSHOPS (MONDAY)

<input type="checkbox"/> W 1 – SIAA Introduction to Simulation in Australia	\$295.00
<input type="checkbox"/> W 2 – Simulation Support to Operations	\$295.00
<input type="checkbox"/> W 3 – Using Simulation in a Training Environment	\$295.00
<input type="checkbox"/> W 4 – Simulation for Acquisition and Simulation in the Enterprise	\$295.00
<input type="checkbox"/> W 5 – Training Debrief – Methods, Tools and Techniques	\$295.00
<input type="checkbox"/> W 6 – Support Training Devices and Media Lessons from the Field	\$295.00
<input type="checkbox"/> W 7 – The Verification, Validation and Accreditation of Simulation Based Systems	\$295.00
<input type="checkbox"/> W 8 – Simulation Interoperability: TENA, HLA, DIS	\$295.00
<input type="checkbox"/> W 9 – Networked Training – Benefits and Challenges	\$295.00
<input type="checkbox"/> W 10 – The Use of Simulation for the Validation, Integration and Test of Live Systems	\$495.00
<input type="checkbox"/> W 11 – Simulation and Operational Fidelity	\$295.00

SITE VISITS

<input type="checkbox"/> SV 1 – Qantas Simulation Facility	\$44.00
<input type="checkbox"/> SV 2 – Motion Capture Facility / Games Development Facility	\$44.00

GRAND TOTAL OWING \$



Registration Form –Method of Payment

Register online at www.simtect.com

CHEQUE

Please make cheque payable in Australian dollars to the **SimTect 2008 Conference** and mail to:

SimTect 2008 Conference Secretariat*
PO Box 3127
BMDC Belconnen ACT 2617
Australia

* Conference Secretariat: Consec - Conference Management as agent for Simulation Industry Association of Australia Limited, ABN 13 087 862 619

CREDIT CARD*

Visa MasterCard Amex Diners

Cardholder's Name (Please print): _____

Card Number:

Expiry Date:

Signature: _____

ELECTRONIC FUNDS TRANSFER

Name of Account: **SimTect Conference 2008**

Bank: **National Australia Bank**

BSB number: **082 902**

Account Number: **85624 2461**

Location: **Canberra City, ACT**

Transaction Reference Number*: _____

**A remittance advice must be faxed through once payment has gone through, on + 61 2 6251 0672.*

CANCELLATIONS/REFUNDS

Delegates who find themselves unable to attend the Conference after submitting a registration form are most welcome to nominate a substitute. In the case of a cancellation, delegates must inform the Conference Secretariat in writing of their inability to attend. A refund of registration fees, less a cancellation fee of \$110.00 including GST will be made on or before 4 April 2008. No refunds will be made after that date.

DISCLAIMER

The Conference program and registration information is correct at time of publication; however, the organisers reserve the right to change information where necessary.

Please indicate here if you do not want your details published in the delegate listing or added to the SIAA's mailing list

In registering for this Conference, relevant details will be incorporated into a delegate list for the benefit of all delegates (name and organisation only), and may be made available to parties directly related to the Conference including Consec - Conference Management, the Simulation Industry Association of Australia (SIAA), the Conference Organising Committee, venues and accommodation providers (for the purposes of room bookings and Conference options), key sponsors (subject to strict conditions) and parties associated with related Conferences.

By completing this registration form, you acknowledge that the details supplied by you may be used for the above purposes. Should you not wish for your details to be used for these purposes, please tick the appropriate box on the registration form.