

### Abstract Submission Requirements

Abstracts must be submitted via the website [www.simtect.com](http://www.simtect.com)

All Accepted Abstracts will be published in the Conference Program and Handbook.

### Paper Submission Requirements

Papers must conform to the template which is available on the website. The papers must be unclassified and must include appropriate copyright, company and/or government clearance. Authors will be required to identify the suggested Focus Area, and Specialisation of their paper in the conference.

Papers previously presented or published as well as marketing papers will not be accepted.

Failure to follow the template, or the above conditions, may result in the paper being rejected.

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### Conference Program

A draft of the program for **SimTecT 2007** will be released on the **SimTecT 2007** website ([www.simtect.com](http://www.simtect.com)) 6 weeks prior to the Conference. The Final Program will be released 4 weeks prior.

### Partner Program

Take this opportunity to treat your family to a taste of Australia's finest: Brisbane - a young, modern city with cosmopolitan art and performance houses, award-winning restaurants, and fabulous shopping precincts, surrounded by Australian natural delights - beaches, kayaking, abseiling, ancient rain forests and wine tasting. The lively Gold Coast, with its theme parks and night life, is just one hour away. Catch a plane, and you can be snorkelling amongst tropical fish and spectacular coral at the Great Barrier Reef.

### Presentation Formats

This year SimTecT offers the opportunity for Poster, or Conference Presentations.

All papers (including Mining / Construction) will be presented in the period Tuesday 5 June to Thursday 7 June 2007.

#### Conference Presentation

Presenters will have a total of 20 minutes to go through their key points, and are encouraged to make the period as interactive as possible.

Acceptance of the paper shall be accompanied by details of speaker requirements, and a copyright release form.

Audio-visual aids will be provided for PowerPoint 2000 for Windows2003 (or equivalent). Computers with CDs shall be provided. Presenters may use their own laptops by special arrangement. While other presentation media will only be permitted with prior arrangement, you are encouraged to engage your audience as much as possible.

An optional PowerPoint template is available from the website.

#### Poster

Authors may elect, or the Review Committee may select presentations to be given in Poster format.

An area in the Exhibition hall will be set aside for display of posters, or optionally, a computer display (using the author's equipment, and with special prior arrangement with the Conference Organisers).

The author will be expected to be available at their Poster position at the designated time(s) to present their work.



Image courtesy of Tourism QLD

Image courtesy of SITA

### Conference Proceedings

Accepted Papers will be published in the Conference Proceedings. The Organising Committee is encouraging the simulation community to read and cite the papers by making them freely available on the SIAA's web-site (six months after the Conference), and by allocating ISBN numbers to both the hardcopy and CD Proceedings.

### Refereed Papers

**SimTecT 2007** will include a Refereed Papers stream. Authors will be able to submit papers for formal peer review in accordance with research council guidelines. Note that this facility is aimed at the academic community. Papers do not have to be refereed to qualify for the Best Paper Awards.

### Best Paper Awards

The Technical Committee makes two awards, Best Paper, and Best Student Paper. The recipient of the Best Paper award will be eligible to attend and present at the 2007 I/ITSEC Conference in Orlando, USA with A\$5,000 contribution towards registration, travel and accommodation from the SIAA.

The Best Student Paper author will attend and present at **SimTecT 2008**, with A\$2,000 contribution towards registration, travel and accommodation from the SIAA. Details of the awards will be provided on the **SimTecT 2007** web site.

### Author Registration

Authors must register for the Conference, in order for them to present, and for their papers to be included in the Conference Proceedings.

### Sponsorship & Exhibition

For information regarding sponsorship/exhibition at **SimTecT 2007**, please contact Savita Khiani or Barry Neame, the Conference Managers (see below).

### Key Dates

24 November 2006	Last date for abstracts (refereed papers)
8 December 2006	Abstracts accepted (refereed papers)
19 January 2007	Last date for abstract submission (non-refereed papers)
19 January 2007	Last date for refereed papers submission
2 February 2007	Non-refereed papers abstracts accepted/rejected (The intention is for abstracts to be accepted/rejected as they are submitted)
16 March 2007	Reviews back for refereed papers
6 April 2007	Last date for submission of all papers
13 April 2007	Last date for presenters to register for Conference (Early Bird Registration cut-off)
4 June 2007	Presenters and Session Chairs briefing
4 - 7 June 2007	<b>SimTecT 2007</b> Conference

### Further information

For further information about the submission of papers, please contact the Papers Convenor, Dr Elysebeth Leigh at: [simtect\\_abstracts@siaa.asn.au](mailto:simtect_abstracts@siaa.asn.au) or visit the **SimTecT 2007** website: [www.simtect.com](http://www.simtect.com)

For further information about the conference contact the Conference Managers:



ConSec — Conference Management  
PO Box 3127

Belconnen Delivery Mail Centre ACT 2617

Telephone: +61 2 6251 0675

Facsimile: +61 2 6251 0672

Email: [simtect2007@consec.com.au](mailto:simtect2007@consec.com.au)

[www.simtect.com](http://www.simtect.com)



SIMULATION:  
IMPROVING CAPABILITY  
AND COMPETITIVENESS

# SimTecT 2007

SIMULATION CONFERENCE AND EXHIBITION

4-7 June 2007

Brisbane Convention and Exhibition Centre,  
Brisbane, AUSTRALIA

[www.simtect.com](http://www.simtect.com)

PRINCIPAL SPONSOR



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SimTecT 2007 is held under the auspices of the  
Simulation Industry Association of Australia (SIAA) Ltd  
ABN 13 087 862 619

Cover: Aerospace images courtesy of CAE, E&S and Thales

This is an invitation to all members of the national and international simulation and training community to submit papers for the SimTecT 2007 Conference.



Call for Abstracts

"In this increasingly outcome and efficiency focused environment, organisations strive to do more, and to do it better. This applies to customers and suppliers alike, in all sectors — including defence, aerospace, mining, construction, manufacturing, transport and homeland security.

Our theme *Simulation: Improving Capability and Competitiveness* 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 and analysis, concept and capability development, system design refinement and validation, process and systems modelling, and in the training of users.

The **SimTecT 2007** 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.

I look forward to seeing you in Brisbane on 4th June 2007."

Jawahar Bhalla — Conference Convenor

"We have made a number of improvements this year to build on the success of SimTecT 2006, including:

- Focus Areas and Specialisations which allow common elements to be grouped together from the broad range of simulation, for a relevant conference experience for delegates
- A one-day Mining and Construction symposium which will link into other aspects of the conference
- Introduction of a Posters category
- Publication of all Abstracts in the Program Handbook which will be a valuable reference
- Widely distributing the Proceedings by ISBN registration, and open access on the SIAA's web-site six months after the Conference, to facilitate use of this valuable material by the world-wide simulation community
- A Partner's Program to encourage presenters to make the most of this opportunity to enjoy the Australian experience.

We are especially interested in papers that unite theory and practice, providing the industry and its researchers and practitioners with a rich mixture of concepts, ideas and practical applications. Students are particularly encouraged to submit abstracts, and we have substantial Best Paper awards to reward excellence."

Dr Elysabeth Leigh — Papers Convenor



Images courtesy of Tourism QLD

Focus Areas

**SimTecT 2007** is seeking papers from all areas related to simulation, training and modeling — particularly indicating the actual or potential means by which simulation can be used under the theme 'Improving Capability and Competitiveness'.

Case studies describing experiences and lessons learned are particularly welcome. **Student participation** is actively encouraged.

The program, keynotes and workshops 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
- Bringing a major new airliner into service
- 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

**Human Factors**

- Adult learning models
- Facilitations skills
- Design and operation implications

**Serious Games**

- First Person
- Multiplayer

Specialisations

Within these Focus Areas, the Papers on the following life-cycle oriented specialisations are 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 operations