

SETE

APCOSE 2012

*To share, promote and advance
the best of Systems Engineering*

Brisbane Convention and Exhibition Centre 30 April – 2 May 2012

A Conference of The Systems Engineering Society of Australia (SESA) and The Southern Cross Chapter of The International Test and Evaluation Association (ITEA) and INCOSE Region VI
Incorporating the 6th Asia Pacific Conference on Systems Engineering (APCOSE 2012)

Introduction

We welcome you to Brisbane for SETE and APCOSE 2012 to share, promote and advance the best of systems engineering.

The 2012 conference is the first to combine SESA, ITEA and APCOSE and encompasses the Asia Pacific region which includes countries with the fastest growing economies in the world.

Recent adverse events in this region highlight the increasingly complex problems which system solutions need to address, including natural disaster response and climate change challenges. The situation requires civil and military organisations develop comprehensive and resilient systems, while operating with significant budget constraints.

Both government and industry need to develop working and sustainable systems for defence, aerospace, infrastructure, transport, energy and telecommunications.

In order to achieve the above, widespread systems thinking is required for effective and efficient system solutions to be conceived and implemented.

Systems engineering provides the framework, methods and tools required to help solve the complex problems facing our region.

Come to share, to learn and be inspired.



Call For Papers



Conference Program

The conference program will include a combination of keynote speakers, plenary sessions, panels, papers, tutorials, workshops, and trade exhibition. The program will include papers that discuss systems development and testing from across such diverse sectors as:

- Defence
- Aerospace
- Information and Telecommunications
- Transport
- Infrastructure Environment and Energy

Interest Areas

- Systems integration
- Infrastructure development and investment
- Network enabling and interoperability
- Capability definition
- Systems of systems
- Operational analysis
- Managing complex projects
- Systems thinking and methodologies
- Organisational design and people
- Requirements
- Modelling and simulation
- Experimentation
- Test and evaluation
- Life-cycle modelling
- Governance and legal environment
- Education and training
- Tools and applications

Call for Refereed Papers

Refereed papers are invited for oral and poster presentation relating to all aspects of systems thinking, systems practice, systems engineering, and test and evaluation, particularly those related to the conference theme. Papers are to be submitted through the abstract portal available via the conference web site (www.sesa.org.au).

Refereed papers will be peer-reviewed and published in accordance with DEEWR requirements for an E1 conference paper.

Prizes will be awarded for the best paper and the best student paper.

All presenting authors of refereed papers must register for the conference before the paper is admitted to the conference program.

Call for Non-refereed Presentations

Non-refereed papers are less formal than refereed papers and are reviewed by the Conference Technical Committee for inclusion in the program, but are not subject to the peer-review process for refereed papers. Presentation format is suitable—there is no need for a formal paper.

Presentations are to be submitted through the abstract portal available via the conference web site.

All presenters of non-refereed presentations must register for the conference before the presentation is admitted to the conference program.

Conference Program and Proceedings

Abstracts of all refereed papers and non-refereed presentations will be published in the conference program. Full papers and presentations will be published in the conference proceedings and provided to all conference participants on CD-ROM. Conference proceedings will also be available for sale.

Call for Tutorials

The conference program incorporates half-day tutorial sessions on Monday 30 April 2012. Expressions of interest are invited from companies or individuals interested in delivering a half-day tutorial on any aspects of systems thinking, systems practice, systems engineering, and test and evaluation, particularly those related to the conference theme.

Please submit expressions of interest directly to the Conference Technical Program Chair via seaeapcose2012@sapmea.asn.au

Call for Sponsors and Exhibitors

Expressions of interest are also sought from potential sponsors and exhibitors.

Abstract Submission

Papers can be written in Chinese, English, Japanese and Korean but must be presented in English, the official language of the 2012 conference. Authors are recommended to submit the abstract of 300 words in English.

Key Dates

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| Submission of 300-word abstracts for refereed papers and non-refereed presentations | 11 November 2011 |
| Selection of abstracts and notification of authors and presenters | 25 November 2011 |
| Submission of refereed papers for formal review | 28 January 2012 |
| Provision of refereed comments to authors | 4 March 2012 |
| Submission of final papers and presentations for publication in proceedings | 25 March 2012 |