



SETE 2002 CALL FOR PAPERS

"The Five Layers of Systems Engineering" and "Test & Evaluation"



Sydney, 28-30 October 2002
A Conference of
The Systems Engineering Society of Australia (SESA)
and
**The Southern Cross Chapter of
The International Test and Evaluation Association (ITEA)**
<http://www.seecforum.unisa.edu.au/Sete2002/SETE2002.htm>

Presentations and papers are invited for the SETE 2002 Conference which will cover a wide range of topics in hard and soft systems engineering as well as the people element. Since the area of coverage is broad, the technical committee plans to structure the content of the conference within the framework suggested by Prof. Derek Hitchins in his Five Layer model, details of which may be obtained at <http://www.hitchins.co.uk/5layer.html>. By virtue of this notice, the technical committee solicits

Traditional face to face presentations – Conference presentations made in person during the conference in front of the audience.

Tutorials – whole or half day tutorials.

Distance mode presentations - Conference presentations made in person or by means of synchronous (real-time) or asynchronous (non real-time) distance mode technology.

Student Track - Presentations and papers from students of the fields of Systems Engineering and Test and Evaluation (T&E).

Exhibit area - Registrations of interest from potential exhibitors. SETE 2002 will include both exhibitions and presentations by vendors.

Conference Program

The Conference program integrates the Systems Engineering and Test & Evaluation fields in a combination of plenary sessions, panels, technical papers and exhibits. The program is expected to include papers in at least the following areas.

- Systems Engineering Applications
- Soft Systems Methodologies
- Systems of Systems
- Selling Systems Engineering
- Measurement
- Modeling and Tools
- Systems Engineering Management
- Processes and Methods
- Software Engineering
- Requirements Engineering
- Experiments, Exercises and Trials
- National Infrastructure Planning & Support
- Research and education priorities
- Prediction tools (Modeling and Simulation capabilities)
- Observation tools (Test and Training Range capabilities)
- Operations Analysis (Analysis of Alternatives)
- Networking and connectivity.
- International partnerships, collaborations and alliances.
- T&E Visions of the Future
- Critical Technologies (Instrumentation, Modelling, Simulation)
- Measures of Effectiveness (MOEs)
- The Planning and Management of T&E
- T&E Investment Planning
- Virtual T&E
- The Design of Experiments
- Error Budgeting
- T&E for Systems of Systems
- T&E - The Value Added

- and Management
- Education and Training
- Other
- T&E - The Legal Issues

Important Dates:

Preliminary Submission: 15 June 2002
 Acceptance Notification: 30 July 2002
 Final submission: 30 August 2002

Categories of submissions

There are two categories of submissions to serve the needs of industry and academia:

- Papers
- Presentations

Papers

This category is primarily designed for Academia to meet the Australian Department of Education, Training and Youth Affairs (DETYA) requirements for published papers. Full papers will be reviewed anonymously by at least two peer reviewers. For each paper submitted, prospective authors are requested to submit by email two files: a separate Identification Page and the paper, both in Microsoft Word, using Times New Roman 11 point font, in double column format. An example paper, which may be used as a template, will shortly be provided on the Conference Website.

The Identification Page is to contain the following:

- Paper title
- Author name(s)
- Business affiliation(s)
- Address(es)
- Phone number and fax
- e-mail address(es)
- A short biography for each author.
- Primary contact to be used for all communications.

The preliminary paper is to have a title page with abstract (but no author information), 5-8 numbered pages in length, including figures, tables and other illustrations. Upon acceptance, paper format requirements will be sent to the primary contact. Technical session paper presentations will be 20-30 minutes in length, plus a 10-15 minute question and answer period. Papers accepted for presentation at the conference will be published in the Conference Proceedings in both book and CD-ROM formats.

Presentations

This category is primarily designed for industry practitioners. Submissions are to be made in the form of PowerPoint presentations. The presentations will be reviewed by at least two peer reviewers. For each submission, prospective authors are requested to submit by email two files: a separate Identification Page and the presentation without author identification. The Identification Page is to include the information specified above.

Presentations accepted for presentation at the conference will be published in the Conference Proceedings in CD-ROM format.

Call for Distant Mode Papers and Presentations

Call for papers and presentations to be presented in distant mode.

This is a call for papers and presentations to be presented by personnel who otherwise would be unable to attend the Conference. The intent is to prototype the process for mixing asynchronous presentations

with synchronous discussions into the traditional Conference sessions. Personnel submitting distance mode papers and presentations must agree to

- Prepare their presentations in PowerPoint 97 and recording the audio to accompany each slide. Instructions and an add-in tool to PowerPoint 97 can be found on the Conference Website.
- Telephone the Conference at a prearranged time and take part in the traditional post presentation discussion in the session room. The cost for a ten-minute telephone call is expected to be less than \$10 from most places in the world.

As an alternative, distance mode presentations may be made synchronously (if feasible at the time and place of the session) via Internet voice or telephone, at the discretion of the Technical Committee.

These papers and presentations are to meet the same review requirements as the papers and presentations to be presented live at the Conference. The accepted paper will be published in the Conference proceedings. The audio enhanced presentation will be published in the Conference CD-ROM.

Call for Student Track Papers and presentations

This is a call for papers and presentations in the student track. The intent of this track is to encourage students to publish. Students enrolled in Master's level and above programs are encouraged to upgrade a recent assignment, paper or presentation with the advice of their instructors and submit them for the student track. Student track papers and presentations can be submitted for live or distance mode participation in the Conference. Student track papers and presentations must be accompanied by an endorsement by the instructor certifying that the paper or presentation is an example of the work produced by students in the specific program in the specific institution.

All student track paper and presentation submissions will pass through a two step review process.

- Step 1 - The regular peer review process.
- Step 2 - An academic review process.

If the submission fails in Step 1, Step 2 will determine if corrections can be made to upgrade the submission to Conference standards, and recommend same.

Preliminary student track submissions are required to contain both the preliminary presentation and the preliminary paper

Accepted student track papers and presentations will

- Be published in the Conference proceedings and CD-ROM.
- Compete for the Systems Engineering and Evaluation Centre (SEEC) Award for the best Student Paper at the Conference.

Submit papers and presentations to the Technical Chair using email via:

Associate Professor Joseph Kasser
Systems Engineering and Evaluation Centre
University of South Australia,
Mawson Lakes SA 5095, AUSTRALIA
Tel: +61 8 8302-3941
Conference E-mail: CT2000@unisa.edu.au
Other E-mail Joseph.Kasser@unisa.edu.au

SESA is a Technical Society of The Institution of Engineers Australia (IEAust), affiliated with the International Council of Systems Engineering (INCOSE). SESA's Website is at <http://www.sesa.org.au/>

ITEA Southern Cross Chapter's Website is at <http://itea.netspot.com.au/>