



Institution of Fire Engineers

Australia Branch

'Call for Papers'

2014 IFE Australia Conference

Emergency Evacuation and Crisis Management

Manly, New South Wales, Australia

27th and 28th March- 2014



2014 IFE Australia Conference

27th and 28th March, 2014 – Manly, New South Wales, Australia



Institution of Fire Engineers
Australia Branch

2014 IFE Australia Conference ***'Emergency Evacuation and Crisis Management'***

The Institution of Fire Engineers is pleased to announce its '2014 IFE Australia Conference' to be held in the picturesque northern Sydney beachside suburb of Manly. The venue is the prestigious Novotel Manly Pacific hotel. Papers will be presented on the 27th and 28th of March, 2014.

A dual-stream conference event has been programmed to strategically accommodate the unique interests across the IFE membership and its guests. The theme of the conference is designed to attract the very best international and local speakers from across both the professional fire engineering and professional fire services fields.

The benefit of 'building big' is the ability to accommodate the needs of our rapidly growing population in Australia. The conference theme addresses *emergency evacuation and crisis management* associated with places where people both work and live, but it also applies to high-density transport and associated infrastructure between work and home.

As we build our tunnels longer, our mines deeper, our buildings taller, our suburbs further away, our ships larger and our aircraft wider - the technical requirements of emergency evacuation of large numbers of occupants challenges the imagination of our fire engineers in design and our operational practitioners in crisis management.

IFE Australia invites high quality papers and presentations from across the fields of engineering, operations and academia that clearly address the topic of emergency evacuation or crisis management.

The theme context is quite open, so could apply to commercial, industrial, mining, urban, transport by air, sea, road or rail, areas potentially affected by natural events, such as bushfire or flood or more specific infrastructure, such as jails and hospitals.

Papers must be original and not have been previously presented at a conference or as a magazine or journal article. All papers will be peer reviewed by the IFE Technical Committee.

Abstracts and Author Biographies with photo are required by no later than **12th of September 2013** and will be emailed to The National Secretary IFE Australia at admin@ife.org.au. Authors are required to nominate which presentation stream (Engineering or Operations) and their target Session (1.1 to 2.4) in the email and on the abstract heading.

Authors will be advised of acceptance of their abstracts by **30th September 2013** and will be asked to provide a draft full paper by **30th October 2013**.

The IFE Technical Committee will provide authors an opportunity to refine the draft technical paper before the final paper is due on **31st January 2014**.

Call for Papers

Stream 1: Engineering - 'Emergency Evacuation'

Papers are sought from authors by IFE Australia for one of the four following Engineering Sections, as described below: -

27th March – Session 1.1 – Designing for failure or failing to design?

Technical Session Chair – Frank Mendham CEng MIFireE

Key Note Speaker – TBA

[Papers in this section should address the level of uncertainty in design of structures to accommodate effective occupant avoidance and how it needs to be quantified, understood and managed](#)

27th March – Session 1.2 – The human occupant factor

Technical Session Chair – Don Alexander CEng FIFireE

Key Note Speaker – TBA

[Papers in this section should address the human behavioural aspects of occupants in emergency situations and how this relates to the fire engineering of structures.](#)

28th March – Session 1.3 – It's not just about 'high rise' buildings!

Technical Session Chair – Rob Davis CEng MIFireE

Key Note Speaker - TBA

[Papers in this section should address emergency evacuation aspects of mining and industrial, transport structures and transport methods.](#)

28th March– Session 1.4 – The evolution of emergency evacuation science

Technical Session Chair – Wayne Bretherton CEng MIFireE

Key Note Speaker – TBA

[Papers in this section should address emerging technology and emerging methods of analysis for the development of effective emergency evacuation systems.](#)

Stream 2: Operations – 'Crisis Management'

Papers are sought from authors by IFE Australia for one of the four following Operational Sections, as described below: -

27th March – Session 2.1 –Managing the logistics “major disaster evacuation”

Operational Session Chair – Andrew Sharrad GIFireE

Key Note Speaker –

[Papers in this section should address evacuation for major disasters and preferably with a case study showing the results of the effectiveness of pre- planning](#)

27th March – Session 2.2 – Evacuation-How has it changed historically?”

Operational Session Chair – Andrew Comer FIFireE

Key Note Speaker –

[Papers in this section should address the changing environment over time](#)

28th March – Session 2.3 – Life Safety- Human behaviour

Operational Session Chair – Mark Reilly CMIFireE

Key Note Speaker -

[Papers in this section should address the human factor relating to evacuation](#)

28th March– Session 2.4 – Area of refuge “bush fire evacuation”

Operational Session Chair – Rob Forster GIFireE

Key Note Speaker –

[The paper in this section should address the lessons learned and accountability](#)

Summary of submission dates for all papers are as follows:-

Abstracts and Author Biography	12th September, 2013
Abstract Acceptance	30th September, 2013
Papers Draft	30th October, 2013
Paper Final	31 st January, 2014
Power point	24 th February, 2014

Final Paper to be provided by data file in a MS Word 2010 .docx format along with a recent 100 word maximum biography and a photograph (in .jpeg format) of the speaker/s

PowerPoint presentations are to be submitted in a data file in .pptx (PowerPoint 2010) file format and sized for 16:9 on-screen screen landscape projection. Where video is intended to be embedded it must be in a .mp4 format and the video file provided with the supplied .pptx file. Embedded computer simulations (CFD etc) should be in .tif format with a maximum size that does not unduly delay the transition of slides on the presentation computer having an i5 CPU and 4 gigabytes of RAM.

Submitted abstracts will be reviewed by an IFE Australia Technical Committee and the final selection of papers to be presented will be at the total discretion of the IFE Australia



The Board of IFE Australia looks forward to receiving your submissions.

Please direct any enquiries to
Christine Sharrad
National Secretary, IFE Australia - by email: admin@ife.org.au. Ph: 08 82789844