REGISTRATION FORM

Name _____

Position _____

Organization _____

Address _____

_____

_____

Telephone_____

Fax _____

Email _____

☐ I wish to register for the Conference at the normal cost of £450 [£225 for bona fide students only]

☐ I wish to register for the Conference at the late fee cost of £500 [£250 for bona fide students only]

☐ Please invoice me at the above address

☐ Please send me information on local hotels

Signature ……..

Date ……

The completed forms together with a cheque in pounds sterling payable to ASRANet Ltd. can be sent by post to:

ASRANet Ltd., 5 St Vincent Place, Glasgow, G1 2DH

OR

scan and email to: asranet@live.co.uk

(please use "CONFAB 2015 Registration" as subject)

No refunds will be possible after 02 August 2015

CONFERENCE FEES

£450 (pounds sterling)
£225 (pounds sterling) for students
This includes registration fee, conference CD-ROM, papers and conference dinner for authors and delegates. After 15 April 2015, the following fees will apply
£500 (pounds sterling)
£250 (pounds sterling) for students

KEY DATES

Deadline for abstracts:	15 Dec 2014
Notification of acceptance:	15 Jan 2015
Submission of full papers:	15 May 2015
Communication of reviewer comments by:	15 Jun 2015
Early bird registration by:	15 Jun 2015
Final submission by:	15 Jul 2015
Registration closes:	01 Aug 2015

VENUE

Thistle Glasgow Hotel
Cambridge Street, Glasgow G2 3HN
Hotel: 0871 376 9043 / +44 845 305 8319
Fax: 0871 376 9143 / +44 845 305 8358

CONTACT

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Further information on ASRANet and updates on its conferences can be found on its website: www.maritime-conferences.com/ASRANet/

To contact the organisers, please use the following email addresses:

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CONFAB 2015

The First International Conference on

Structural Safety under Fire & Blast

2-4 September 2015, Glasgow, Scotland, UK

CALL FOR PAPERS

Abstracts of about 300 words on any of the themes of the conference described overleaf are invited. Abstracts should be sent to ASRANet or any of the co-chairs of the organising committee, whose full contact details are provided in this leaflet. If the abstract is judged to be within the conference remit and of adequate quality after peer review a notification of acceptance will be communicated with a request to submit the full paper. Each paper will be peer reviewed by up to three members of the International Advisory Committee chosen on the basis of the content of the paper and their comments for final acceptance and amendments communicated to the corresponding author, with a request to submit the final version to included in the conference proceedings. Conference proceedings will be made available on a USB stick along with printed abstracts of all contributions at registration. In order to ensure the production of the conference proceedings on time, final manuscripts will required to be submitted by the date indicated in this leaflet.

CONFERENCE OBJECTIVES

The infrastructure of human civilisation is perennially under threat from natural and man-made hazards, of which fire and blast are among the most destructive and frequent. These hazards are often also interdependent, where one may lead to the other, particularly in industrial environments. It is the aim of this conference to provide an international forum to regularly bring together leading researchers in these fields along with leading practitioners in order to meet the following main objectives:

- Disseminate state-of-the-art knowledge and practice for dealing with both of these hazards either individually or collectively

- Provide a forum where students, researchers and practitioners in these fields may interact, network and learn from each other and promote best practice

- Researchers are afforded the opportunity of obtaining useful feedback on their research from their peers as well as from a strong contingent of leading practitioners in the field. Likewise industry participants will get the chance to inform researchers with the issues of greatest concern to them.

- Over the long term it is expected that this conference will contribute significantly to promoting a safer and more resilient built environment as well as enhanced safety in industrial environments, both on and off-shore.

WHY ANOTHER CONFERENCE?

Because of the complex and fluid geopolitical circumstances following the end of the cold war, terrorist attacks on infrastructure have resulted in an increasing frequency of fire, blast and impact events. Increasingly dense and complex urban environments and rapidly increasing urbanisation in developing countries exacerbate the risk to societal harmony and cohesion from accidental or deliberately orchestrated fire and blast events. Despite much greater appreciation of climate change there continues to be significant reliance on fossil fuels for the foreseeable future. The attendant dangers in their extraction and distribution creates significant additional potential for injury and environmental catastrophe near on and off-shore oil and gas installations. In all these cases the potential for these hazards to be interdependent is significant and therefore it makes sense for the scientific research and engineering communities working in this field to come together and learn best practice from each enabling the future development in dealing with these hazards to occur in a synergistic research framework across international boundaries.

Traditional methods for the protection of industrial and civil infrastructure from these hazards are often based on prescriptive approaches which have remain unchanged over many years and practice lags behind the accumulated knowledge in the field. This problem is being addressed through the introduction of more flexible regulatory regimes through changes in codes and standards worldwide, allowing engineers to find alternative scientifically based solutions. However the adoption of such approaches depends highly on the wider dissemination of the most current knowledge backed up by proper education and training of engineers and practitioners. This conference will offer a platform where most up-to-date knowledge in these fields will be presented to an international audience of researchers, practitioners and students.

CONFERENCE THEMES

The Programme will include several keynote and invited papers with the aim of highlighting the key issues and application areas in order to provide a broader overview and set the tone for the conference. Papers are expected to correspond to one of the following themes within the context of fire, blast and impact effects:

1. Characterisation of fire, blast and impact loading on structures
2. Behaviour of structural materials at high temperatures and high strain rates including performance of protective materials
3. Mechanics of material and structural damage including the analysis of failure and collapse mechanisms
4. Modelling and simulation including coupled modelling methods
5. Design of structures for improved resilience
6. Strengthening, retrofit and repair
7. Risk and uncertainty modelling & performance based engineering
8. Safety of high risk facilities such as nuclear power plants
9. Applications of sensing, AI and big data in infrastructure safety
10. Exemplars of high-end design case studies in various industry sectors, both on and off-shore

WHO SHOULD ATTEND?

Owners, operators and managers of engineering companies including insurance companies
Structural engineering consultants
Safety, risk and reliability consultants
Researchers and practitioners in this field
System development/simulation engineers
Postgraduate students studying for higher qualifications in this field

ORGANISING COMMITTEE CO-CHAIRS

Prof Asif S Usmani, University of Edinburgh, UK

Prof Yong Lu, University of Edinburgh, UK

Prof Purnendu K Das, ASRANet Ltd., UK

INTERNATIONAL ADVISORY COMMITTEE

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Prof Umesh K Sharma

Prof Albert Simeoni

Prof Lauren Stewart

Prof Mark G. Stewart

Prof Kang Hai Tan

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