

Call for papers

16–18 April 2013

Crowne Plaza Mutiara Hotel, Kuala Lumpur, Malaysia

Organised by



Achieving operational excellence in a competitive environment

Maintaining process safety standards at the highest possible level is a key concern for operating companies in both upstream exploration and production and downstream refining and chemical processing activities. However, a review of news coverage over the last twelve months indicates that there is still major room for improvement in the Asia Pacific region and constant vigilance is required from chemical and process engineers who work in the area of safety and loss prevention.

April 2011 saw a major blaze in the gasoline storage area at a refinery in Java Province, Indonesia. Five months later a pump room fire at a petroleum complex in Singapore resulted in the shutdown of key units, production cutbacks and much adverse publicity. Fortunately, no serious injuries were reported in either incident. Elsewhere, workers have not been so fortunate. Asian news sources have reported two serious accidents in China since the start of the year with an explosion at a Shanghai chemical plant killing one person and injuring three in January. This was followed by a violent explosion at a pesticide plant in Hebei Province in February, which killed at least 13 people and injured 43 others.

Upstream operations in the region have also experienced difficulties. In January, the joint venture partners involved in major losses of containment at the Penglai and Suizhong offshore oil fields in the Bohai Bay near the Yellow Sea agreed to pay compensation in the region of US \$160m to the Chinese government. Further afield, a blow out on an offshore platform off Brazil's South East coast provided a stark reminder that deepwater exploration and drilling brings increased risk. There are lessons to be learned for operators in the high hazard industries world-wide, not least in the Asia Pacific region. Achieving process safety excellence in a globally competitive environment remains a major test for business leaders.

Rising to the challenge

In a direct response to the process safety challenge, the Institution of Chemical Engineers (IChemE) and the Chemical Industries Council of Malaysia (CICM) joined forces to stage the *First Hazards Asia Pacific Symposium* in Kuala Lumpur, Malaysia in September 2011. With strong support from PETRONAS Chemicals Group and a wide range of industry partners, the conference was a great success with 250 safety experts from around 15 countries in attendance for three days of technical discussion and six major international keynote presentations.

Format

IChemE and CICM remain committed to supporting the achievement of operational excellence in the competitive Asia Pacific environment and with this in mind, the conference will run again in 2013. The *Second Hazards Asia Pacific Symposium* will take place at the Crowne Plaza Mutiara, Kuala Lumpur, Malaysia from 16 –18 April 2013. Once again, the meeting will feature a lively mixture of invited international keynotes and a full programme of peer reviewed technical presentations looking at all aspects of chemical process safety from an Asia Pacific perspective. The organisers have expanded the programme to encompass two parallel sessions and *Hazards AP 2013* will feature an enlarged exhibition of products and services for safety professionals. 400 delegates are expected to attend from across the region.

Hazards AP 2013 will provide another unmissable opportunity for international experts and safety professionals to discuss the latest developments, report incident case studies and share examples of best practice in process safety with special emphasis on the challenges facing chemical process operations in the Asia Pacific region.



Contributions suitable for oral presentation, or in poster format, are invited under the following broad topics:

1. Asset integrity

Mechanical integrity and risk based inspection. Setting performance standards for safety critical elements (SCE). Life Cycle Analysis (LCA).

2. Operational safety

Security of IT safety systems. Management of safety systems and alarms. Implementation of functional safety. Analysis and mitigation of human factors.

3. Process safety management

Effective process safety management (PSM) programs. PSM audits in major hazard facilities. Implementation Issues.

4. The challenge of regulatory compliance

Emerging regulation in the Asia Pacific region. International comparisons with Europe and North America and the implications for global operations.

5. Learning from major hazard incidents

Incident case studies. Effective approaches to incident investigation and corrective action. Near miss reporting. Lessons learned and techniques for effective sharing.

6. Process safety design and analysis

Application of process hazard analysis (PHA) and Layers of Protection Analysis (LOPA). Effective safety reviews during design development. Human factors and process design.

7. Management of abnormal operations

Recognizing abnormal situations. Start up and shut down issues. Management of Change (MOC). Emergency Preparedness

Technical committee

Hazards AP 2013 will be co-chaired by CICM Chairman; Dr A Hapiz Abdullah and IChemE in Malaysia Deputy Chairman B P Chow. The technical programme team will once again be led by Dr Christina Phang, Managing Partner with the leading global consultancy Environmental Resources Management (ERM). Dr Phang will be supported by a panel of experts from industry and academe in the region, supported by corresponding members from Europe, North America and Australasia. Delegates can expect another world-class programme that will consolidate the Hazards Asia Pacific Symposium series as the premier process safety event in the region.

Abstracts

Abstracts of no more than 500 words can be submitted online via www.icheme.org/hazardsap2013 before 3 September 2012.

Guidelines for submissions

The conference will be conducted in English throughout and therefore, only abstracts submitted in English will be accepted.

Please indicate the preferred theme, within which you would like your abstract to be considered:

Topic 1. Asset integrity

Topic 2. Operational safety

Topic 3. Process safety management

Topic 4. The challenge of regulatory compliance

Topic 5. Learning from major hazard incidents

Topic 6. Process safety design and analysis

Topic 7. Management of abnormal operations



Timetable

Abstract deadline	3 September 2012
Confirmation of abstract acceptance	15 October 2012
Deadline for submission of full manuscripts	11 January 2013
Deadline for author registration*	15 February 2013

* please note that only work from authors or nominated presenters who have registered for *Hazards AP 2013* will be timetabled in the conference programme and published in the conference proceedings.

Location

Hazards AP 2013, will be staged at the Crowne Plaza Mutiara hotel, Kuala Lumpur. This is a 5 star luxury hotel which is conveniently located for the city's leading business, shopping and entertainment districts. The hotel is a ten minute walk to the iconic Petronas Twin Towers and Kuala Lumpur Tower. Kuala Lumpur international airport is 45 minutes away by car.

Sponsorship and exhibition opportunities

Various sponsorship and exhibition opportunities are available to support this event. If you would like to receive an information pack, please email: hazardsap@icheme.org

Organised by



Institution of Chemical Engineers (IChemE)

IChemE is the hub for chemical, biochemical and process engineering professions worldwide. With a growing global membership of over 34,000, the Institution is at the heart of the process community, promoting competence and a commitment to best practice in all aspects of process safety.

For further information, visit: www.icheme.org



Chemical Industries Council of Malaysia (CICM)

CICM promotes the interest and development of the chemical industry and has affiliations with the various sub-sector chemical groups locally with a view to establish a stronger and better representation of the Malaysian chemical industry.

For further information, visit: www.cicm.org.my

Secretariat and contact address

For further information please visit the conference website: www.icheme.org/hazardsAP2013

Or email: hazardsap@icheme.org

Contact for all correspondence:

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