Hazards30
In association with the Mary Kay O’Connor Process Safety Center

18–20 May 2020, Manchester, UK

Process safety conference
Find out what's going on
If you want your business to stay safe, to avoid catastrophe, to improve its safety record, you need to learn what is good practice, and there’s no better place for doing that than at Hazards.

Laurence Cusco, Health and Safety Executive & Chair of the Hazards 30 technical committee
Why attend Hazards 30?

Learn from experts
Over 100 specialists and industry peers working in all industry sectors will share their process safety knowledge and experience including lessons learned and latest research.

Review good practice in process safety
Presentations and posters will share lessons learned from what’s worked well (and not so well) so that you can apply good practice to your own operations.

Get comprehensive technical insight
The programme will cover all the functional areas that are key to managing and reducing process risk effectively, including engineering and design, systems and procedures, knowledge and competence, human factors, assurance, culture, and environmental protection.

Get industry insights and benchmark your company
Hear presentations and view posters from industry practitioners, regulators and researchers. We’re pleased to include contributions from Atkins, Health and Safety Executive Office for Nuclear Regulation, Sellafield Ltd, Shell, Sygenta, Total, Wood and many, many more.

Have your say
As well as Q&A at the end of every presentation, you’ll have the chance to put questions to industry experts during a panel discussion on 20 May. Discussion will focus on how to learn effective lessons from the past.

Network with your peers and make new contacts
There will be plenty of opportunity to network with delegates, presenters, exhibitors and speakers during the event, including a free welcome drinks reception on 18 May and an informal social event on 19 May.

Find out what’s new in process safety
Process safety is constantly developing and Hazards 30 is a great opportunity to discover the latest research and developments in the field.

Discover new products and services
Make new contacts and discover products and services to support you in improving process safety performance at our extensive exhibition running alongside the conference. Visit www.iche.me/hazards30 to see who’s exhibiting.

Meet Continuous Professional Development (CPD) requirements
Attending Hazards 30 is a great way to demonstrate commitment to your personal and professional development. What’s more, if you have the Professional Process Safety Engineer registration (www.iche.me/ppse) in your sights, then you’ll be able to attend a free information session to find out more about it and how to start or progress your application.

Reflect on the process safety journey
The 60th anniversary of Hazards is a fitting time to reflect on the past, present and future of process safety. We’ll be reflecting on the key milestones so far on the process safety journey, what’s been achieved already, and the challenges that lie ahead.
Plenary speakers

**Piper Alpha – an Accident or a Predictable Surprise?**  
Steve Rae, Step Change in Safety  
Steve was one of only 61 survivors of the 1988 Piper Alpha disaster in which 167 perished. He will draw on his experience of the disaster to demonstrate why he feels it was no accident, rather a ‘predictable surprise’, and why many major accidents, near misses and incidents should be defined in the same way.

**Hazards Management in a Climate Emergency: We’re All in It Together!**  
Jo Nettleton, Environment Agency  
Jo will discuss the challenges posed to existing major hazards industries from more extreme weather events, and the impact of adapting to a net zero economy.

**Learning Lessons Today for Safety Tomorrow**  
Maureen Heraty Wood, Major Accident Hazards Bureau  
Maureen will explain how we can use what we already know about chemical accident risk to help shape a strategy for chemical risk management in an unknown future.

**Reflections on the Lessons from Longford and its Legacy**  
Margaret Donnan, IChemE Safety Centre  
Margaret will explore the main lessons from the Longford gas plant explosion in 1988 and how they shaped a new major hazard regulatory regime in Australia.

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**Agenda**

*Note: the programme may be subject to alteration*

**Monday 18 May 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Course</th>
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<tbody>
<tr>
<td>11:30–12:30</td>
<td>Registration</td>
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<tr>
<td>12:30–14:30</td>
<td>Workshops*</td>
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<tr>
<td>15:00–17:00</td>
<td>Workshops</td>
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<tr>
<td>17:30–19:30</td>
<td>Plenary session</td>
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<tr>
<td>19:30–21:00</td>
<td>Welcome drinks with poster and exhibition viewing</td>
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* Visit [www.icheme.org/hazards30](http://www.icheme.org/hazards30) to find out more about the workshops

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Visit [www.icheme.org/hazards30](http://www.icheme.org/hazards30) to find out more about our plenary speakers and their presentations.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chair(s)</th>
<th>Abstract</th>
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</thead>
<tbody>
<tr>
<td>13:45–14:20</td>
<td>Natural Hazards</td>
<td></td>
<td><strong>Assessment and Interpretation of Response to Natural Hazards to Disaster</strong></td>
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<tr>
<td>14:25–15:00</td>
<td>DSB/AREX</td>
<td></td>
<td><strong>How Do You Carry Out a DSB/AREX Assessment?</strong></td>
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<tr>
<td>15:45–16:20</td>
<td>Risk Management I</td>
<td></td>
<td><strong>An Analytic Based Framework for Incident Investigation</strong></td>
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<tr>
<td>16:25–17:00</td>
<td>Emergency Planning</td>
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<td><strong>Health and Safety in Emergencies</strong></td>
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<tr>
<td>17:05–17:40</td>
<td>Process Safety Management</td>
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<td><strong>The Role of Bomb Squad</strong></td>
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**Natural Hazards**

- **Assessment and Interpretation of Response to Natural Hazards to Disaster**
  - Giovanni Cis & Mike Holland, Kelloggs, Italy

**DSB/AREX**

- **How Do You Carry Out a DSB/AREX Assessment?**
  - Andrew Garrison, Simon Cant, Mark Pinnock, WSP

**Hydrogen Hazards**

- **Measurement of the Risk Associated with Hydrogen**
  - Paul McCulloch, CGE Risk Management Solutions, The Netherlands

**Risk Management I**

- **An Analytic Based Framework for Incident Investigation**
  - Julian V. H. Harrison, Midlands University, Leeds, UK

**Emergency Planning**

- **Health and Safety in Emergencies**
  - Andy Caswell, Health and Safety Executive, UK

**Process Safety Management**

- **The Role of Bomb Squad**
  - Craig Anderson & Nick Procter, Wood, UK

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**Rules and Regulations**

- **Hydrogen Safety**
  - Paul McCulloch, CGE Risk Management Solutions, The Netherlands

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**Lunch & Networking Opportunities**

- **Hydrogen Safety**
  - Paul McCulloch, CGE Risk Management Solutions, The Netherlands
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00-09:40</td>
<td>Plenary presentation</td>
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<tr>
<td>09:40-10:20</td>
<td>Panel discussion</td>
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<tr>
<td>10:20-10:50</td>
<td>Refreshment break and poster viewing</td>
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<tr>
<td>11:25-11:50</td>
<td>Fire and Gas Detection</td>
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<tr>
<td>12:25-12:55</td>
<td>Lunch break with poster and exhibit viewing</td>
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<td>12:55-13:30</td>
<td>Safety Culture II</td>
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<td>13:35-14:00</td>
<td>Fire and Gas Detection</td>
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<tr>
<td>15:25-15:40</td>
<td>Plenary session</td>
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As well as oral presentations, there will be wealth of process safety knowledge and experience shared in poster form, available to view throughout the conference. Poster titles will be published on the conference website as authors confirm their attendance.
Practical information

Venue
Manchester Central
Petersfield, Manchester M2 3GX, UK

Location
Manchester Central is located in the heart of Manchester and is easily accessible by rail, road or air. Visit www.icheme.org/hazards30-venue for more travel information.

Accommodation
Accommodation is not included in the conference fee and you will need to make your own arrangements. If you need any help finding a hotel in Manchester, follow the link provided at www.icheme.org/hazards30

How to register
Register online at www.icheme.org/hazards30

Contact us
Contact us on +44 (0)1788 534496 or email hazards@icheme.org

Conference fees

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<th>Category</th>
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<tr>
<td>IChemE Member</td>
<td>£975 + VAT</td>
</tr>
<tr>
<td>Non-member</td>
<td>£1150 + VAT</td>
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<tr>
<td>Presenting author</td>
<td>£600 + VAT</td>
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<tr>
<td>Student</td>
<td>£275 + VAT</td>
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<tr>
<td>Social event</td>
<td>£65 + VAT</td>
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What’s included:
- workshop attendance on 18 May
- plenary sessions
- technical presentations and information sessions
- access to the exhibition area on 18–20 May
- welcome drinks on 18 May
- lunches and refreshment breaks on 19 & 20 May

Attendance at the social event is optional, at an additional fee.

Interested in sponsoring or exhibiting at Hazards 30?

We have sponsorship and exhibition packages to suit all budgets, all providing excellent opportunities to:
- highlight your brand
- present your products and services
- network and make new contacts
- expand your process safety knowledge
- understand the issues and concerns in the industry

Visit www.icheme.org/hazards30 to find out more and to see who’s already on board.

www.icheme.org/hazards30 #hazards30
Thank you to our exhibitors:

#hazards30 www.icheme.org/hazards30