



# The Collaborator

News from the IChemE Safety Centre

Issue 36

September 2023

## Welcome

Welcome to the thirty-sixth issue of the Collaborator. The ISC has been busy with activities and conferences taking place around the world.

## New Members

Welcome to our new members who have signed up since the last newsletter in June. Operating Partners (Suez Recycling and Recovery UK, Ampol, Alcoa of Australia and Scottish Water), Industry Partners (Jensen Hughes, Aurecon Group) and Supporting Partners (University of Bradford, University of Southampton, Queen's University Belfast, and University of Aberdeen). This takes the ISC membership to 104 which includes our Collaborators.

## What we have been up to

In June 2023, the ISC signed a Memorandum of Understanding (MOU) with the Energy Institute to share the ISC lessons learned from incidents, videos, and other resources on their toolbox. To access, please click [here](#).

I have attended several conferences since the last newsletter.

At the Global Experts Conference on Renewable and Sustainable Energy in Japan, I presented on the "Importance of Process Safety Leadership in the Energy Transition".

At the Loss Prevention Asia 2023 conference in Malaysia, I sat on a Panel which discussed digitalisation and its application in process safety.

In Jordan I presented on the "The Platypus Philosophy", this is a concept I developed to focus people on looking and managing weak signals.



*Trish receiving a Shield of Honour from the Jordan Minister for the Environment*

I attended the Safer Together Process Safety Incident Review in Brisbane. There were some excellent lessons learned shared, including an incident recreation video that was excellent, showing not only the incident but a visual representation of how the risk changed for different people as the events unfolded.

As mentioned in the last newsletter, we announced that CCPS, EPSC, ISC, MKOSPC and FABIG were collaborating to deliver an annual "International Process Safety Week", this will take place from 2 – 6 December 2024, there will be webinars, panel discussions and case studies, look out for further information on the [ISC website](#).

## What's next .....

The next edition of Safety Lore is 21 which will focus on learnings from major incidents related to explosions involving hydrogen. The Lore is free to download from the ISC website in English or Spanish. If you have any

comments or wish to propose a topic, please contact us at [safetycentre@icheme.org](mailto:safetycentre@icheme.org)

If you have not had the chance to listen to the series of podcasts named Process Safety with Trish and Traci from Chemical Processing magazine that we deliver monthly, check out the ISC website, or to download, please click [here](#).

I will be presenting at the annual Chemeca conference in Auckland, New Zealand on "Identifying and managing weak signals – the Platypus Philosophy".

Craig will be presenting at the 3<sup>rd</sup> virtual [BCECA conference](#) in October on "Emerging Hazards".

The ISC Team will be in College Station, USA in October where they will be exhibiting, and Craig will give a presentation on "Can we make Control Room Operators more effective in ageing assets with failing alarm management systems?"

Craig has been working with the Heads of Chemical Engineering UK ([HCEUK](#)) to promote the ISC membership to the IChemE/HCEUK network to encourage chemical engineering schools, departments and divisions at Universities to use the educational resources and have access to the ISC case studies to help improve process safety education.

## ISC Member News

As of 1 September, we will be adding a new benefit to the membership. All ISC partners will get access to Hazards On-Demand. Hazards On-Demand provides access to the technical contents presented at recent UK-based Hazards conferences. This includes videos of the presentations and the full conference papers (where available) that

accompany the presentations. Please contact [safetycentre@icheme.org](mailto:safetycentre@icheme.org) to advise of your key contact.

## Webinars

**29 September, 10:00-11:00 BST**

**Will AI move Process Safety to the next level, or is it a backward step?**

There has been a lot of buzz around AI since the launch of ChatGPT in 2022. Almost immediately, discussion began as to how best it could be used in Process Safety, Particularly HAZOPs. To find out, Salus Technical has developed HAZOP AI to help enhance the role of people in HAZOPs, not replace them. In this webinar, find out how HAZOP AI was built and how the use of AI in HAZOPs and process safety can simultaneously be a force for good, and a recipe for disaster.

[Register to attend >>](#)

**12 October 2023, 12:00 – 13:00 BST**

**Process Safety Ethics, Sharing and Learning**  
The 2023 Hanson Medal winner, Dame Judith Hackitt, and 2023 Lees Medal winner, Peter Marsh, will discuss the rights and wrongs of decisions to share or withhold information following a process safety incident, and how learning lessons from incidents is a moral judgement.

In this webinar we will celebrate the successes of these medal winners and gain the speakers insights into the foundational engineering principles of ethics and learning lessons. We will remind ourselves why we cannot take these matters for granted and can consider how we can all follow these principles in our own work.

[Register to attend >>](#)

**14 December, 01:00 – 02:00 GMT**

**Taco Power Plant Boilover.**

December 19, 1982, marked Venezuela's deadliest industrial disaster, an explosion in a fuel oil tank had claimed two lives, the resulting fire continued to burn. To find out more about the Taco tragedy

[Register to attend >>](#)

## New Guidance

We released the fourth in our Lead Process Safety Metrics series of supplementary guidance documents, this guidance covers risk-based audits, consider an audit programme as a helpful tool to identify gaps rather than a burden, this can be found on the [ISC website](#).

We plan to run a webinar in the future on the guidance, keep a look out on the ISC website for further details.

## Current Projects

The Risk Assessment Methodologies project is undergoing a review and restructure. It is expected to be presented to the ISC Advisory Board in their November meeting for endorsement.

Emerging Hazards for the next 5 – 10 years. This was endorsed by the ISC Advisory Board on 31 August. It is now available on the ISC website, to access click [here](#).

## New Projects

We have 3 new projects kicking off in Q3; Transient Operations HAZOP; this project will develop a guidance document to lead people through the concept of Transient HAZOP. It is anticipated the kick-off meeting will commence at the end of Q3.

Management of Change; this will focus on the practical application and also focus on what are the leadership behaviours needed to make it work effectively.

Lastly, ISC will carry out a gap assessment and conduct internal research on digitalisation on how big data can improve process safety outcomes by undertaking a literature review on what information is available and compile an explanation of what is happening and what could be of use going forward before delving into a project.

## Key dates coming up .....

### October

1 – 3, [Chemeca 2023](#), Auckland, New Zealand  
4, 3<sup>rd</sup> [BCECA Annual Conference](#) (virtual)  
11-13, [Mary Kay O'Connor Safety & Risk Conference](#), College Station, USA  
29-30, [Canadian Chemical Engineering Conference](#) (CSChE), Calgary, Canada

### November

1, Canadian Chemical Engineering Conference (CSChE), Calgary, Canada  
6, ISC Advisory Board Meeting, Birmingham, UK  
7-9, [Hazards33 Process Safety Conference](#), Birmingham, UK  
20, Industry Partner Forum (UK/USA/Europe)  
22, Industry Partner Forum (Aus/NZ/Asia)

### December

11, Supporting Partner Forum (UK/USA/Europe)  
12, Supporting Partner Forum (Asia/Aus/NZ)  
13-14, 3<sup>rd</sup> [European Conference on Plant and Process Safety](#), Maastricht, The Netherlands

## Feedback

If you have any feedback or comments on the content of this newsletter or are interested in being on the mailing list, please contact me via [safetycentre@icheme.org](mailto:safetycentre@icheme.org)

