

### ***We would love to hear from you....***

Please do contact Helen Conlin, Newsletter Editor at [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org) about contributing articles or providing feedback and comment on: Good practice, previous SIG events, outreach (e.g. support to Universities, other institutions), or anything else that you think our readers would find interesting.

### **Introduction**

Welcome to the October 2021 edition of the S&LP SIG newsletter.

Please note that the S&LP SIG contact e-mail addresses are no longer working. Therefore, please use [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org) to contact anyone associated with the S&LP SIG.

This issue includes articles on [Member Feedback](#), the [S&LP SIG Annual Meeting](#), [S&LP SIG Objectives](#), [Retrospective Since S&LP SIG 2020 Relaunch](#), [Upcoming Process Safety Events](#), [S&LP SIG Event Reports](#), an [Incident Round-Up](#), [Process Safety Influencers](#) and the [S&LP SIG Committee](#).

### **Member Feedback**

We were delighted to receive feedback and expressions of interest in the Hydrogen topic featured in the February Newsletter.

From this involvement, the Hydrogen topic group gained a new member that helped organise the series of four webinars run in June.

### **S&LP SIG Annual Meeting**

The 2021 Annual Meeting was held as an online virtual event on 15 June 2021. 68 registered and over 50 attended.

Following invitations for nominations; Andy Rushton, Carolyn Nicholls and Jonathan Hall continue in their respective roles as Chair, Secretary and Treasurer.

### **S&LP SIG Objectives**

As stated on our webpages, the S&LP SIG objectives are to:

- ❖ Facilitate networking and open dialogue on lessons to be learned;
- ❖ Encourage and support professional development, providing resources for training and the acquisition of new skills;
- ❖ Promote best practice, spreading this between industries, between institutions and between professions;
- ❖ Advance the technical and practical tools of safety and loss prevention;
- ❖ Build an understanding of risk issues, and influence the development and adoption of risk reduction measures.

### **Retrospective Since 2020 S&LP SIG Relaunch**

The S&LP SIG was relaunched during May 2020 including new nominations to the Committee and Officer positions.

Since May 2020, the S&LP SIG has achieved the following:

- ❖ Re-organised, revitalised and expanded the S&LP SIG webpages and LinkedIn page, many thanks to our Webmaster Richard Mundy.  
[S&LP Webpages](#)  
[S&LP LinkedIn](#)
- ❖ Added multiple incidents added to our Lessons Learned Database:  
[S&LP LLD](#)
- ❖ Published three editions of the S&LP SIG Newsletter:  
[S&LP Newsletter Archive](#)
- ❖ Given a presentation at Hazards 30.

- ❖ Progressed topics of interest including organising two webinar series:

- Digitalisation in February 2021
- Hydrogen in June 2021

### [S&LP Webinar Archive](#)

- ❖ Made recommendations for the Frank Lees and Ned Franklin medal winners to the IChemE Medals and Prizes Committee:

### [IChemE Medals and Prizes](#)

### [2021 Lees Medal Winner Bio](#)

- ❖ Provided support to a university HAZOP virtual event in April 2021.
- ❖ Jointly organised a Deepwater Horizon webinar with SONG in December 2020.
- ❖ Participated in the newly formed IChemE Major Hazards Committee.

### [IChemE Major Hazards Management](#)

We look forward to the next twelve months of S&LP SIG activity and collaborating with our members, IChemE and the wider process safety and loss prevention community. Our future plans include:

- ❖ Topics of interest – developing and providing content for our members.
- ❖ Collaboration with other SIGs including Water, Environment, Pharma, Education.
- ❖ Further developing our regional representation across the world.
- ❖ Contributing to selection and provision of an EFCE representative.
- ❖ Nominations for this years' IChemE medals close on 31 October 2021.

### [IChemE Medal Nominations](#)

## Upcoming Process Safety Events

Hazards 31, 16 to 18 November 2021, run as a virtual event:

### [Hazards 31](#)

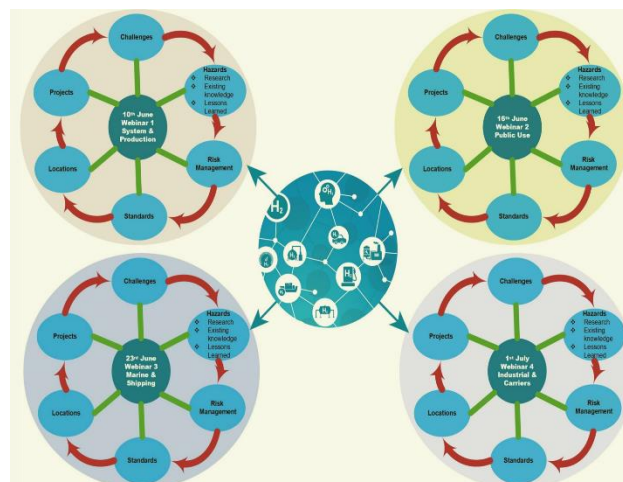
## S&LP SIG Event Reports

### Hydrogen Webinar Series

The S&LP SIG collaborated with the Clean Energy SIG (CESIG) to run a series of four webinars on Hydrogen during June 2021.

This webinar series was very well received by speakers and attendees. A total of 938 people from across the world and diverse organisations

attended over the four webinars, as illustrated in Figures 1 and 2. There was a high level of engagement throughout the four sessions with



many questions asked of our expert panels.

The four webinar themes were:

- ❖ Webinar 1 – Systems Approach, Hazards and Production
- ❖ Webinar 2 – Transport Fuel and the Gas Network
- ❖ Webinar 3 – Marine and Shipping
- ❖ Webinar 4 – Industrial H<sub>2</sub>, Liquid H<sub>2</sub> and Carriers

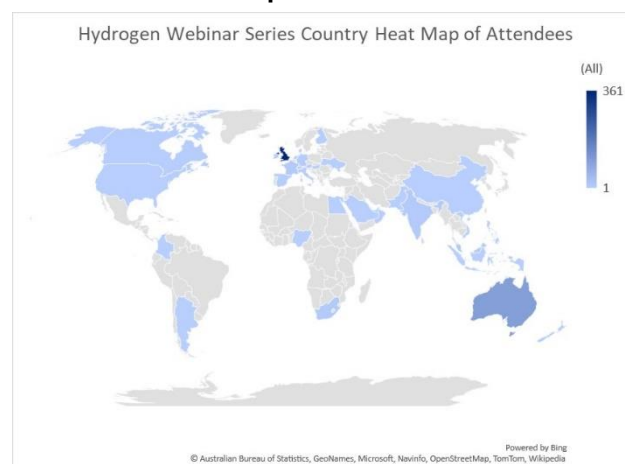
We invited international experts from a wide variety of backgrounds including industry, research, trade associations and consultancy to share their extensive expertise.

The speakers provided multiple examples of practical applications: past, current and future, process safety challenges and solutions.

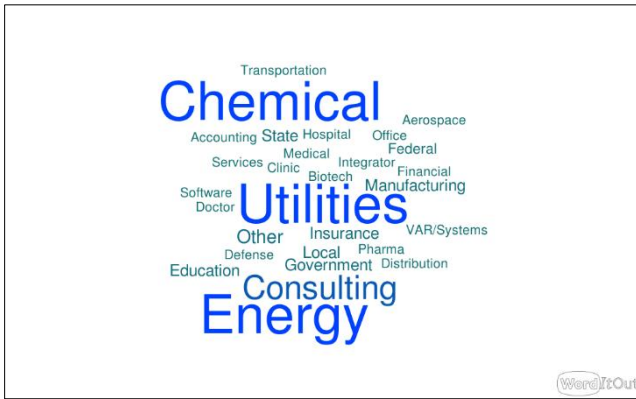
The recordings and slides are available on our webpages:

### [S&LP Webinar Archive](#)

**Figure 1 – Combined Four H<sub>2</sub> Webinars Attendance Heat Map**



**Figure 2 – Combined Four H2 Webinars Sector Representation Word Cloud**



IChemE Clean Energy SIG (CESIG) have produced a series of articles on The Hydrogen Economy hosted by TCE here:

[TCE CESIG H<sub>2</sub> Economy Articles](#)

### Digitalisation Webinar Series

This February 2021 webinar series was very well received by speakers and attendees. A total of 823 people from across the world and diverse organisations attended over the four webinars, as illustrated in Figures 3 and 4.

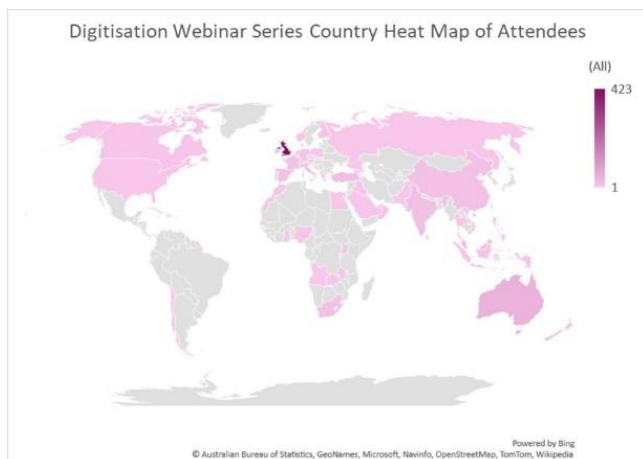
This S&LP SIG webinar series successfully put process safety at the centre of the digitalisation topic. IChemE and the S&LP SIG recognise that digitalisation will have a transformative effect across all aspects of chemical engineering.

For the webinar series we invited experts from a wide variety of backgrounds and expertise to share their perspectives. Over four sessions we explored the opportunities and challenges that digitalisation provides for process safety.

The recordings and slides are available on our webpages:

[S&LP Webinar Archive](#)

**Figure 3 – Combined Four Digitalisation Webinars Attendance Heat Map**



**Figure 4 – Combined Four Digitalisation Webinars Sector Representation Word Cloud**



### Incident Round-Up

Unfortunately, technical (process) safety incidents continue to occur. As loss prevention and process safety professionals, we continue to learn in order to prevent more in future. The following incidents have occurred since the last Newsletter. Please contact Richard Mundy [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org), if you would like to highlight a recent incident.

[Gainesville \(Georgia\) Nitrogen Asphyxiation, 28 January, USA](#)

Liquid nitrogen release at food processing plant. Six workers killed, companies fined by the authorities.

[Cornelius \(Oregon\) Ethanol Plant Fire, 16 March, USA](#)

Fire at ethanol plant, starting during a drum transfer operation. Local population evacuated.

[Balongan Refinery Fire, 29 March, Indonesia](#)

Fire covering four large gasoline tanks. Four people killed. Thousands of local people fled.

[Point-a-Pierre Gas-to-Liquids Plant Explosion and Fire, 7 April, Trinidad](#)

Explosion and fire in hydrocracking section of new GTL plant, during start-up.

[Calama Explosives Plant Explosion, 16 April, Chile](#)

Explosion at a storage warehouse of a site involved in mining explosives production.

[Klaipeda Wood Processing Plant Explosion and Fire, 3 May, Lithuania](#)

Explosion and subsequent fire at factory making wood particle board. Eight people hospitalised.

[Pueblo \(Colorado\) Steel Mill Explosion, 29 May, USA](#)

Electric arc furnace steam explosion. Eight people injured.

### [Guiyang Toxic Release, 12 June, China](#)

Release of methyl formate during road tanker unloading. Eight people killed.

### [Western Siberia Gas Processing Plant Fire, 5 August, Russia](#)

Fire at plant processing natural gas liquids from the Russian Arctic.

### [Baniyas Power Plant Oil Spill, August, Syria](#)

Spill of fuel oil from a tank pollutes the Mediterranean.

### [Gulf of Mexico Offshore Platform Fire, 23 August, Mexico](#)

Fire at offshore platform. Five people killed. Significant share of Mexico's oil and gas production curtailed.

## Process Safety Influencers

The S&LP SIG Committee have put together a UK Process Safety Influencers map as shown below. We are developing an international version.

We would welcome comments and suggestions for the UK and international versions, please write to Carolyn Nicholls at [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org).

## S&LP SIG Committee

The S&LP SIG committee last met on 15 October 2021.

Planned future S&LP SIG committee meeting date:

❖ 17 December 2021

If you have something for the committee to consider, please contact Andy Rushton, Chair, at [specialinterestgroups@icheme.org](mailto:specialinterestgroups@icheme.org).

*We are grateful to those who take the time to contribute to the S&LP SIG Newsletter. Please note that content and opinions are those of the contributor(s) (or in resources accessed online) and do not necessarily reflect the views of the Safety & Loss Prevention Special Interest Group Committee or the Institution of Chemical Engineers.*

