

All times are Greenwich Mean Time (GMT)

08:30–09:20	Familiarisation, networking, exhibition viewing			
09:20–10:10	Trevor Kletz Hazards lecture	<i>Piper Alpha – an Accident or a Predictable Surprise?</i> Steve Rae, Executive Director, Step Change in Safety, UK		
10:10–10:50	Plenary presentation	<i>Reflections on the Lessons from Longford and its Legacy</i> Margaret Donnan, IChemE Safety Centre, Australia		
10:50–11:10	Break/exhibition viewing			
	Track 1	Track 2	Track 3	Track 4
	Safety Culture I	Modelling and Experimental Flammability	LOPA	Process Safety & COVID-19
11:10–11:35	<i>Challenges in Promoting Process Safety Culture – Bridging the Power Distance</i> James Yii, Petronas, Malaysia	<i>Detailed Fire Scenario Assessment by CFD Simulation: Pool Fire Under Air-Cooled Heat Exchanger in Modularized LNG Plant</i> Minoru Jimma, Hiroki Orihara & Masayuki Tanabe, JGC Corporation Oil & Gas Project Company, Japan	<i>Calculating Yourself Into a Corner Using LOPA</i> Stephen Beedle, ABB Consulting, UK	<i>Guidance on Managing Process Safety During the Pandemic</i> Trish Kerin, IChemE Safety Centre, Australia
11:40–12:05	<i>The Impact of Safety Culture on Safe Operations</i> Andrew Laird & Esther Ventura-Medina, University of Strathclyde, UK	<i>Development of a Model for Spills of Liquids on Porous Surfaces (SLOPS)</i> Rachel Batt, Health and Safety Executive, UK; Graham Tickle, GT Science & Software, UK; Matt Turner, Defence Science and Technology Laboratory, UK	<i>Comparison of a Single Initiating Event Versus a Multiple Initiating Event Approach to Layer of Protection Analysis</i> Dr Colin Chambers, Health and Safety Executive, UK	<i>Tools for Remote Auditing</i> Stephen McGrady, GSK, UK
12:10–12:35	<i>Protecting the Mental Health of Employees: How Issues from Film & TV Industry Survey Correlate with Similar Factors in Other Industries</i> Matt Longley, ChemEng EHS, UK	<i>Safe Operation of Combined Cycle Gas Turbine and Gas Engine Systems Using Hydrogen Rich Fuels</i> Wayne Rattigan, Health and Safety Executive, UK	<i>Driving Quality and Consistency in Barrier Management Through the Application of Best Practice Quality Rules and Corporate Standard Bow Ties in Developing Asset Specific Bow Ties</i> Mark Boulton, DNV GL, UK; Daniel Rowe, SBM Offshore, Monaco; Paul McCulloch, CGE Risk Management Solutions, the Netherlands	<i>Operating in 2020 – We Did Not See This Coming...</i> Samantha Scruggs, BP, Azerbaijan
12:40–13:05	<i>Abraham Lincoln as CEO of a Major Hazard Facility? How a Wider Understanding of Leadership Can Enhance Process Safety Leadership</i> Peter Webb, Beyond Risk, UK	<i>An Investigation of LNG Permeability Within Perlite Insulation</i> Steven Betteridge, Shell Research, UK	<i>Deriving Spurious Trip Rate Formulae</i> Dr Fan Ye, ESC, UK	<i>Sellafield Ltd's Approach to Progressing the Nationally Important Mission of High Hazard and Risk Reduction and Environmental Remediation, Whilst Protecting the Workforce and the Wider Community from the Effects of COVID-19</i> Mark Neate, Sellafield Ltd, UK
13:05–14:05	Break/exhibition viewing			
	Information session – Professional Process Safety Engineer registration (13:30–14:00)			
	Track 1	Track 2	Track 3	Track 4
	Safety Leadership	DSEAR/ATEX	Environmental Protection	Regulation
14:05–14:30	<i>Islands of Excellence in Oceans of Mediocrity</i> Graeme Dick & Mike Pollard, Reflekt AS, Norway	<i>How Do you Carry Out a DSEAR Risk Assessment? Experiences from Two of ABB's DSEAR/ATEX Experts</i> Alison McKay & Peter Hodgson, ABB, UK	<i>Learning from Application of the CDOIF Environmental Risk Assessment Method to Major Accident Hazard Plant</i> Andrew Marsh-Patrick & Duncan Dodge, WSP, UK	<i>A Three-Decade Review of Risk Management Efforts in Hong Kong</i> Ying Yin Hung & Eddie Lee, Environmental Protection Department of HKSAR, Hong Kong
14:35–15:00	<i>Resourcing Teams Based on Key Project Risks</i> Louise Whiting, Barberton Limited, UK	<i>Hydraulic Mist Hazards – a Discussion of the Practical Implications for a Nuclear Project</i> Keith A Johnson, Joseph Hayward & Timothy Boland, Sellafield Ltd, UK; Anthony Ennis, Haztech Consultants, UK	<i>Potential for a Major Accident to the Environment in the Whisky Industry</i> Euan Munro, SLR Consulting, UK	<i>How China is Establishing a New COMAH System</i> Pat Swords, PM Group, Ireland & Robert Liang, PM Group, China
15:05–15:30	<i>Sponsored session Introducing Bowtie Master: Interactive, Cloud-Based Bowtie Diagrams</i> David Jamieson, Salus Technical, UK 	<i>Keeping Cool Under Threat of Fire – Managing the Risks of Flammable Refrigerants</i> D Colbourne, Re-phridge, c/o HEAT GmbH, Germany & I Vince, ASK Consultants, UK	<i>Are We Overlooking Something in the Context of Environmental Protection?</i> James Park, Robert Ritchie & Carolyn Nicholls, RAS, UK	<i>Regulation of UK Nuclear Legacy Facilities</i> Anthony McFadden, Office for Nuclear Regulation, UK
15:30–15:50	Break/exhibition viewing			
	Track 1	Track 2	Track 3	Track 4
	Asset Integrity	Emergency Planning	Natural Hazards	Risk Management I
15:50–16:15	<i>Selection and Deployment of Non-Destructive Testing for Through-Life Integrity Assurance of Composite-Repaired Pipes</i> Adam Bannister, Aneta Nemcova, David Johnson & Matthew Blackburn, Health and Safety Executive, UK	<i>Behaviour in Emergencies on COMAH sites: Challenging Predictive Assumptions About Likely Fatalities Based on Actual Behaviours in Emergencies</i> J Bell, S Raza & P Brockington, Health and Safety Executive, UK	<i>Assessment and Enactment of Response to Severe Weather Hazards to Offshore Structures</i> Joe Quinn, Atkins, UK & Matt Keys, Atkins, Australia	<i>An Analytically Based Pressurised Pipeline Decompression Model</i> Jiahuan Yi & Haroun Mahgerefteh, University College London, UK
16:20–16:45	<i>Can Damage Mechanism Assessment Improve Both Efficiency and Safety?</i> Brad Eccles, ABS Consulting, UK; Randal Montgomery, David Whittle & Sayed Termah, ABSG Consulting, USA	<i>Industrial System for Mitigation of Vapour Cloud Explosions</i> Dirk Roosendans and Pol Hoorelbeke, Total, France	<i>Wildfires - an Emerging Hazard for Industrial Installations in Europe?</i> Hannes Kern, IRIS – Industrial Risk and Safety Solutions, Austria & Katja Hüttenbrenner, Montanuniversitaet Leoben, Austria	<i>Confusion over Risk Criteria</i> Carolyn Nicholls & Jordan Smith, RAS, UK
16:50–17:15	<i>Use of Consequence Modelling for Meticulous Risk Based Inspection Calculations of Offshore Topsides Static Mechanical Equipment</i> Chetan Birajdar, Monaco Engineering Solutions, UK; Bahram Fada, Monaco Engineering Solutions, Oman; Shreya Kochar, Monaco Engineering Solutions, UAE	<i>Effect of Water Mist on the Dispersion of a Flammable Gas Inside Traffic Tunnels – an LPG Experimental Study</i> MC Olde, WPW Wieling, D Mores & J Heuvelink, TNO, the Netherlands; AJM Snel & BGG Lottman, Witteveen+Bos, the Netherlands		<i>On the 10⁻⁴ /Yr Criterion for Blast Overpressure – an Alternative Comparative Approach for Safer Design</i> Steve Howell & Prankul Middha, Abercus, UK

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09:00–09:30	Networking and exhibition viewing			
09:30–09:40	IChemE Safety Centre (ISC) update, Trish Kerin			
09:40–10:20	Plenary presentation	<i>Hazard Management in a Climate Emergency: We're All in It Together</i> Jo Nettleton, Environment Agency, UK		
10:20–10:40	Break/exhibition viewing			
10:40–11:20	Panel discussion	<i>COVID-19 and Its Impact on Process Safety Management</i> (panellists to be confirmed)		
	Track 1	Track 2	Track 3	Track 4
	Chemical Hazards	Process Safety Management	Human Factors I	Permits & Records
11:25–11:50	<i>HSE Pilot Scale, Gassy System, Reactor Venting Experiments and Implications for Vent Sizing</i> John Hare, Health and Safety Executive, UK	<i>The Nuts and Bolts of Process Safety Management</i> Craig Anderson & Nick Procter, Wood, UK	<i>How Stressed Is Your Facility?</i> Trish Kerin, IChemE Safety Centre, Australia	<i>Using a Sprint Approach to Analyse Offshore Maintenance Records</i> Chris Bell & Matthew Celnik, DNV GL, UK
11:55–12:20	<i>A Strategy for Chemotoxic Safety on a Nuclear Licensed Site</i> Timothy Boland, Keith A Johnson & Joanne Griffin, Sellafield Ltd, UK	<i>An Integrated Approach to Establishing the Hazards, Risks and Controls at a Major Copper Smelting Site in Southern Africa</i> Roderick Prior, SHExcellence, South Africa	<i>Safe Staffing Levels: Latest Energy Institute Guidance</i> Michael Wright, Greenstreet Berman, UK & Stuart King, Energy Institute, UK	<i>Making Permit to Work Work for Process Safety</i> Ken Patterson & Gillian Wigham, UK
12:20–13:20	Break/exhibition viewing Information session – IChemE Safety and Loss Prevention Special Interest Group (12:45–13:15)			
	Track 1	Track 2	Track 3	Track 4
	Fire & Gas Detection	Lessons Forgotten	Dust Hazards	Human Factors II
13:20–13:45	<i>How Do We Define Good Practice for Fire and Gas Detector Mapping?</i> Tim Jones, RPS Group, UK	<i>Learning from Creeping Changes</i> Zsuzsanna Gyenes, IChemE Safety Centre, UK	<i>Visual Dust Hazard Analysis – Understanding Threats and Assuring Controls</i> David Hatch, Process Safety Integrity, UK & Michelle Murphy, Mica, USA	<i>Human Performance and the Fourth Industrial Revolution</i> Roger Stokes, BakerRisk Europe, UK
13:50–14:15	<i>Guidance on Fire, Combustible Gas and Toxic Gas Detection System Philosophy</i> Jonathan Wiseman, Risktec Solutions, UK	<i>A Toolbox to Help Frontline Personnel Learn from Incidents</i> Stuart King, Energy Institute, UK	<i>Taming the Beast – Lessons Learned from Five Decades of Aluminium Dust Explosions</i> S Gakhar & JM Butcher, DEKRA, UK; P Roberts, AMG Alpoco, UK	<i>Making Sure Investigators Get It Right – Human Factors Considerations for Investigators</i> James Bunn, The Keil Centre, UK
14:20–14:45	<i>BS60080:2020 – Guidance on the Placement of Permanently Installed Detection Devices Using Software Tools and Other Techniques. What is the Scope and Intention of the New Standard?</i> James McNay, Micropack (Engineering), UK	<i>Stories to Keep Us Safe – Five Decades of the Loss Prevention Bulletin</i> Fiona Macleod, Billions Europe, UK	<i>Modelling Self-Heating Solids</i> Stephen Pearson, Syngenta, UK	<i>Enhancing the Performance of Safety Critical Task Analysis: The Goldilocks Problem and Marginal Gains</i> Dominic Furniss, Jamie Henderson, Mark Sujan & David Embrey, Human Reliability Associates, UK
14:50–15:15	<i>A Revised Method for Dropped Object Risk Analysis</i> AG Rushton & JM White, ESR Technology, UK	<i>Analysis of Pipeline Incident Reports Using Natural Language Processing (NLP)</i> Guanyang Liu, Mason Boyd & Noor Quddus, Mary Kay O'Connor Process Safety Center, Texas A&M University, USA	<i>Effects of Melting Inert Particulate Additives on Ignition and Flame Propagation in Dust/Air Mixtures</i> Katja Hüttenbrenner, Marco Stockinger & Harald Raupenstrauch, Montanuniversitaet Leoben, Austria; Hannes Kern, IRIS – Industrial Risk and Safety Solutions, Austria	<i>Occupational Safety & Process Safety: Sisters, Cousins or Unrelated?</i> Matt Clay, Maria Garcia & Mike Wardman, Health & Safety Executive, UK; Moray Kidd, University of Manchester, UK
15:15–15:35	Break/exhibition viewing			
	Track 1	Track 2	Track 3	Track 4
	Inherent Safety	Hydrogen Hazards	Risk Management II	Safety Culture II
15:35–16:00	<i>Incorporating Inherently Safer Technology into a Corporate Risk Management Programme</i> Tony Downes, David Prior, Pascal Bolomey & Noel Misa, Honeywell (Performance Materials & Technologies), USA	<i>Why Proactive Assessment of Hydrogen Fuelling Risks Is Essential</i> Karen Vilas, BakerRisk, USA & Robert Magraw, BakerRisk Europe, UK	<i>Safe Reinstatement of Process Plant – Learnings from HSE's Regulation of the UK Offshore Oil and Gas Industry</i> Ashley Hynds & Scott Templeton, Health & Safety Executive, UK	<i>The Importance of Process Safety Management in Post-Merger Integration</i> Glenn Pettitt, Guy Roberts, Rob Jeffries, Doug Anderson & Richard Rowe, ERM, UK
16:05–16:30	<i>Liquefied Gas Terminals – Designed with Safety at Heart</i> Karina Almeida Leñero & Sarah Fiedler, TGE Gas Engineering, Germany; Richard Collitt & Yet Th ng Lee, TGE Gas Engineering, UK	<i>Explosion Relief Panels for Hazard Reduction in Gas Compressor Buildings and Hydrogen Refuelling Stations</i> Robert Brewerton & Christopher Norris, UK	<i>Improving the Value of Risk Engineering in Onshore Energy Insurance</i> Nigel Cairns, Aon Global Risk Consulting, UK	<i>The Chernobyl Incident: a Case Study for Organisational Process Safety</i> John Butcher, DEKRA, UK & Arturo Trujillo, DEKRA, Spain
16:35–17:00			<i>Addressing the Challenges of Quantifying Fire and Explosion Loss in Insurance</i> John Evans, Marc Lehmann, Mohammad Javanbarg, Jainendra Agarwal, Saurabh Prabhu & Ashish Singhal, AIG, UK	<i>Brain-Centred Performance: the Final Frontier in Workplace Safety</i> Sebastian Blair, DEKRA, UK

This is a draft programme and is subject to change.

