








10:00	Registrations open			
Workshops				
10:30–12:30	<i>Sphera Solutions</i> 	<i>Wolters Kluwer: Introduction to Bowties, Critical Barrier Management and Barrier Health Through an Interactive Board Game</i> 	<i>IChemE: Grid Scale Battery Energy Storage System (BESS) Hazards–A Process Safety Approach</i> 	<i>IChemE Safety Centre Are You Safety Curious? From Compliance to Safety Curiously</i> 
12:30–13:30	Registrations/break for exhibition and poster viewing (lunch provided)			
13:30–13:45	Opening session		Welcome–Eamon Chandler, Chair, Hazards 34 Technical Committee	
13:45–14:30	 Plenary presentation	<i>Bhopal, 40 Years On</i> Fiona Macleod, Independent Consultant		
14:30–15:15	Registrations/break for exhibition and poster viewing			
	Hazards Studies	New Energies	Digitalisation I	Learning from Accidents
15:15–15:45	<i>Introducing C3HazOp</i> Harvey Dearden, SISSuite, UK	<i>Ensuring Safety and Confidence: Navigating the Transition to Net Zero</i> Max Walker, HSE, UK	<i>Process Safety Risk Reduction by Integrating Advanced Data Analytics and AI-Driven Safety Systems</i> Fayaz Abdul Lathif, Chola MS Risk Services, India	<i>Preventing Serious Injuries and Fatalities (SIFs)–We Just Aren't Getting Any Better</i> Daryl Wake, DEKRA, UK
15:45–16:15	<i>How Have Hazard Studies Changed Post Covid?</i> Alison McKay, TUV, UK	<i>Navigating the Hazards of Large-Scale Ammonia Terminals</i> Karina Almeida Lenero, Gexcon, UK	<i>Geometric Process Control Models for Abnormal Process Event Detection and Warning</i> Alan Mahoney, Process Plant Computing, UK	<i>What Is Your "Aha" Moment? Driving Curiosity to Improve Process Safety Culture</i> Douglas Eastaugh, Shell, UK
16:15–16:45	<i>Effective HAZOP to LOPA Scenario Transition</i> Dave Green, RPS Group, UK	<i>Approach to Fusion Safety</i> Omar Afify, UK Atomic Energy Authority, UK	<i>Is AI the Answer?</i> Carolyn Nicholls, RAS, UK	<i>The Questions of Recurring Incidents; Why and How to Stop Them?</i> Ian Clarke, Swiss Re Corporate Solutions, UK
16:45–17:15	<i>A Fault Tree Approach to Assessing the Effectiveness of Non-Physical Safety Measures to Protect Underground Pipelines</i> Michael Acton, DNV, UK	<i>A Methane Emissions Management System Framework</i> Tiago Jacques, ANP, Brazil	<i>ADNOC Offshore–NASR Field Journey Towards Autonomous Operation</i> Arun Chandran, ADNOC, UAE	<i>Identification of Drivers of Critical Safety by Leveraging Natural Language Processing</i> Mohammad Zaid Kamil, Dalhousie University, Canada
17:30–18:15	 Trevor Kletz Hazards Lecture	<i>The Challenges Facing the Process Industries</i> Marlene Kanga, Rux Energy		
18:15–18:30	IChemE update			
18:30–19:15	Welcome reception in exhibition area			

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08:30	Registrations/exhibition open				
09:00–09:30		Plenary presentation	<i>New Technologies, Developments and Energy Transition</i> Professor Andrew Curran, Health and Safety Executive, UK		
09:30–10:15		Plenary presentation	<i>H2: the Risks and the Opportunities</i> Owen Quake, bp		
10:15–11:00	Refreshment break with poster and exhibition viewing				
	Hydrogen Safety I	Risk Assessment & Management I	Digitalisation II	Human Factors I	Carbon Capture I
11:00–11:30	<i>Dolphyn Hydrogen–Safety and Regulatory Challenges in the Offshore Production of Hydrogen from Wind</i> Laura Bond, ERM, UK	<i>Evolving the Hierarchy of Risk Control from Blunt Instrument to Precision Tool for Cutting Risk</i> Andrew Brazier, AB Risk, UK	<i>Remote Operations–Cybersecurity Risk?</i> Matt Vickers, Abbott Risk Consulting (ARC), UK	<i>The Integration of Qualitative Human Factors Safety Critical Task Analysis with Wider Engineering Risk Assessments</i> Jamie Henderson, Human Reliability Associates, UK	<i>Design Considerations for Pressurised Flare and Vent Systems for Efficient CO2 Management</i> Hugo Manuel Dias Rodrigues, Siemens, Portugal
11:30–12:00	<i>LTS Futures: Development of Safe Hydrogen Pipeline Operational Procedures</i> Max Koronka, SGN, UK	<i>Risk Appetite in Heavy Industries, an Insurance Perspective</i> Soondus Moorhead, CNA Hardy, UK	<i>Acceleration Adoption of PHA AI Tools</i> Angus Keddie, Process Safety Matters, UK	<i>Safety Critical Task Analysis–Lessons from Industry</i> Derek Porter, Risktec Solutions, UK	<i>Process Safety Assurance Studies for CCS Projects</i> Zuriyaty Md Yusoff, Petronas, Malaysia
12:00–12:30	<i>The Invisible Threat: Navigating the Safety Risks of the Global Hydrogen Economy</i> Steve Elliott, Schneider Electric, UK	<i>Visualising Risk Reduction: Utilising Weighted Bowtie Diagrams for Enhanced Risk Assessment, Management and Communication</i> Colin Chambers, HSE, UK	<i>Can We Use AI to Turn Observations into Leading Indicators of Safety Culture and Plant Integrity?</i> Sian Richards, Empirisis, UK	<i>Safety Psychology and the Design of Critical Control Systems</i> Rachel Bennett, RMB Integrity Consulting, UK	<i>Lessons Learned from Process and Technical Safety in CCUS Projects</i> Hugo Siddle, WSP, UK
12:30–13:00	<i>Hazard Study 0 Case Study: Retrofitting an Industrial Burner for Hydrogen Fuel</i> Oyinda Gunn, Axiom, UK	<i>Update to the UK Pipeline Quantitative Risk Assessment Guidelines IGEM/TD/2</i> Michael Acton, DNV, UK	<i>Digital Coating Inspection Portal–AI Driven</i> Shaheen Al Beshr, ADNOC, UAE	<i>Storm Preparedness for Mobile Offshore Drilling Units: An Example of Decision Making Under Uncertainty</i> Simon Dunford, HSE, UK	<i>An Updated Release Model for High-pressure CO2 Pipelines: Validation of Discharge and Dispersion Predictions Against CO2PIPETRANS Experiments</i> Jan Stene, DNV, UK
13:00–14:00	Lunch break with poster and exhibition viewing				
	Processes & Procedures	Risk Assessment & Management II	Lithium-ion batteries	Human Factors II	Modelling I
14:00–14:30	<i>It's OK, We Have a Back-up</i> Roger Stokes, BakerRisk, UK	<i>Seeing the Invisible</i> Trish Kerin, IChemE Safety Centre, Australia	<i>Safety Considerations for Hydrometallurgical Metal Recovery from Lithium-ion Batteries</i> Sakshi Jain, University of Sheffield, UK	<i>A Model to Assess the Risk of Organisational Change</i> Lorraine Braben, Braben Consulting, UK	<i>The Rarefaction Balancing Method in HSE's PiRRaM Model</i> Andrew Newton, HSE, UK
14:30–15:00	<i>How Safe Are Your Isolations? Lessons and Improvements to Isolation Management from an Operator's Perspective</i> Matt Hastings, Ithaca Energy, UK	<i>Are You Confident of the Status of the Safety Critical Systems? Can You Demonstrate Whether it is Fully Operational, Degraded, or Impaired?</i> Edwin Bailey, Ithaca Energy, UK	<i>Lithium–ion Battery Storage–New Technology, Same Old Process Safety Principles?</i> Ben Smith, Arup, Australia	<i>Experience in the Application of Functional Mapping as a Human-centred Design Technique for High Hazard Industry</i> Iain Stuart, LQE+, UK	<i>Digital Platform for Leakage Analytics</i> Kieran McDade, Cadent Gas, UK
15:00–15:30	<i>Perplexing Persistence of Poor Procedures</i> Andrew Brazier, AB Risk, UK	Facilitated discussion	<i>Approaches for Li-Ion Battery Consequence Assessments</i> Christopher Gold, Gexcon, UK	Facilitated discussion	<i>Exploratory Numerical Simulations of Unignited and Ignited Ammonia Releases</i> Jennifer Wen, University of Surrey
15:30–16:00	Refreshment break with poster and exhibition viewing				
	Modelling II	Water	Climate Change	Process Safety Management	
16:00–16:30	<i>SAFEN Loss of Containment Frequency Models</i> Ingar Fossan, Safetec, Norway	<i>Investigation of Hazardous Area Zone Extents for Biogas in the Water Industry Including a Comparison to IGEM SR25</i> Tim Jones, RPS Group, UK	<i>NaTech Hazards–Wild Weather</i> Aimee Russell, RAS, UK	<i>Is it Time Process Safety Embraced Biological Hazards?</i> Patrick Swords, PM Group, Ireland	
16:30–17:00	<i>PolyPiRRaM: An Analytical Solution to the One-dimensional Transient Compressible Pipe-flow Equations.</i> Andrew Newton, HSE, UK	<i>Understanding Major Hazard Area Classification Implications of Emerging Net Zero Technologies Implemented in the Water Industry</i> Adriana Reyes Cordoba, AtkinsRealis, UK	<i>Integration of Climate Risk Management in a Pre-existing Risk Matrix in the Engineering Sector</i> Paula Vieira Salomão, Hatch, Brazil	<i>Sailing the Supertanker–Improving Process Safety Management Control and Reporting Systems</i> Ashley Hynds and Leanne Potter, DNV, UK	
17:00–17:30	<i>Experimental Characterisation and Modelling for Improved Safety of Purging Operation</i> Kevin Gault, GRTgaz, France	Facilitated discussion	Facilitated discussion	<i>Impact of Creeping Change on Pressure Relief Devices</i> Robert Fitch, Axiom, UK	
17:30–18:00	Flash Poster Session				
18:00–18:45	Drinks and light refreshments in exhibition area				

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08:45	Registrations/exhibition open			
09:15–10:00	 <p>Plenary presentation</p>	<p><i>Natech Events, the Risks to Process Safety and the Environment</i> Mike Nicholas, Environment Agency</p>		
10:00–10:30	Refreshment break with poster and exhibition viewing			
	Hydrogen Safety II	Engineering & Design I	Safety Leadership	Fire & Explosion Hazards and assessment
10:30–11:00	<p><i>Failure of the Vacuum in a Vacuum Insulated Hose While Transporting Liquid Hydrogen</i> Richard Goff, HSE, UK</p>	<p><i>Equipment Design in an Unregulated Environment–Welcome to the Wild West</i> Faye Litherland, Fluor, UK</p>	<p><i>Lifting the Veil–Honest Talk and Leadership Challenges from the Sharp End</i> Rachael Cowin, Legitimate Leadership, UK</p>	<p><i>Process Safety Incidents Prevention Through Gas Monitoring Enhancement in Confined Spaces</i> Muhammad Huzaimi bin Tahir, Petronas, Malaysia</p>
11:00–11:30	<p><i>A Methodology for Hydrogen Vents Overpressure Assessments</i> Josue Melguizo Gavilanes, Shell, Netherlands</p>	<p><i>Building Design and Selection for Protection of Critical Assets</i> Karen Vilas, FORTRESS Protective Buildings, USA</p>	<p><i>Corporate Governance for Safety</i> Nick Shaw, Office for Nuclear Regulation, UK</p>	<p><i>What is the Impact of Dynamic Flare System Design on Cost, Safety, and Environment?</i> Hugo Manuel Dias Rodrigues, Siemens, Portugal</p>
11:30–12:00	<p><i>Repurposing Pressure Equipment for Hydrogen Service</i> Philip Garner, Axiom, UK</p>	<p><i>Protecting Against Runaway Reactions in Semi-Batch Alkoxylation Processes</i> Stephen Rowe, DEKRA, UK</p>	<p><i>The Platypus Philosophy and Long Term Hazard Management</i> Neil Blundell, Office for Nuclear Regulation, UK</p>	<p><i>Lagging Fires, Their Implications for the Process Industry, Test Methods, and Mitigative Actions</i> Sixten Dahlbom, Research Institutes of Sweden, Sweden</p>
12:00–12:30	<p><i>Assessment of Risk and Reliability Challenges in Different Value Chain of Hydrogen Systems</i> Xueli Gao, Institute for Energy Technology, Norway</p>		<p><i>Major Hazards Agenda and Strategy 28: An IChemE Update</i> Steve Flynn</p>	
12:30–13:30	Lunch break with poster and exhibition viewing			
	Hydrogen Safety III	Engineering & Design II	Safety Culture	Ageing Plant
13:30–14:00	<p><i>A Large Scale Experimental Programme to Improve Understanding of Liquid Hydrogen Dispersion</i> Steven Betteridge, Shell, UK</p>	<p><i>DSEAR–It’s Not All Glamour</i> Steve Sherwen, RPS Consulting, UK</p>	<p><i>Measuring Process Safety Culture Through PSM Element Focused Interviews</i> Mohammad Kazmi, Aramco, Saudi Arabia</p>	<p><i>Safety Investment Methods in High Hazard Industries for Projects with Declining Profitability and Finite Lifespan–The Case of Oil&Gas Upstream</i> Tiago Jacques, ANP, Brazil</p>
14:00–14:30	<p><i>Thermal Heat Flux Measurements During a Hydrogen Flaring Operation</i> Kevin Gault, GRTgaz, France</p>	<p><i>Innovative Retrofitting of Crude Oil Storage Tanks with Aluminum Geodesic Dome and Vapour Recovery System</i> Bijoy Jose Verghese, ADNOC, UAE</p>	<p><i>Using Cultural “Warning Flags” Within the Office for Nuclear Regulation</i> Caroline Sugden, Office for Nuclear Regulation, UK</p>	<p><i>The Alternatives To Revive Safety And Integrity Of Aging Oil & Gas Wells</i> Muhammad Abou Amad, ADNOC, UAE</p>
14:30–15:00	<p><i>Comparison of the Heat Load from Hydrogen Jet Fires Impacting on a Target Using Different Computational Fluid Dynamics Modelling Techniques</i> John Evans, Thornton Tomasetti, UK</p>	<p><i>Proof Testing–A Holistic Approach to Ensuring Effective Test Methods Utilising Human Factors and Technical Functional Safety evaluation</i> Dave Green, RPS Group, UK</p>	<p><i>Rescuing Emergency Planning and Preparedness from the ‘Tick Box’</i> Nigel Cann, Arup, Australia</p>	<p><i>A New Approach to PHA and SIL Re-validation: Lessons from Ageing Oil and Gas Facilities</i> Tom Ridout, ERM, UK</p>
15:00–15:30	<p><i>Advancing Hydrogen Safety: Integrating Computational Fluid Dynamics for Risk Assessment in Hydrogen Production via Water Electrolysis</i> Alexandre Lebas, MES International, UK</p>	Facilitated discussion	Facilitated discussion	<p><i>Managing Chloride Stress Corrosion Cracking in LNG Fractionation Columns</i> Birinengi Harry, Nigeria LNG, Nigeria</p>
15:30–15:45	Closing remarks			

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