

Hazards30

18–20 May 2020, Manchester, UK

Conference themes

Suggested topics for each of the core conference themes:

Assurance

- audits
- COMAH & Seveso
- cyber security and cyber threats to process safety
- hazard and risk
- inspections
- legislation and compliance
- metrics
- new codes of practice
- occupied buildings risk assessment
- oversight
- regulation & guidance
- safety case reviews
- other

Engineering & Design

- asset integrity and ageing plant
- chemical reaction and decomposition hazards
- digitalisation (eg cyber security, artificial intelligence, big data)
- dispersion modelling
- DSEAR
- dust explosions
- energy storage
- fire and explosion hazards
- fire risk assessment
- functional safety & SIL
- hazardous area classification
- hazardous waste
- inherent safety
- pressure relief
- risk analysis

- toxic hazards
- other

Environmental Protection

- air
- contamination and clean-up
- minimising flood risk
- natural hazards
- noise
- odour
- risk assessment
- waste
- water
- other

Human Factors

- alarm management
- critical task analysis
- fatigue/shift patterns
- public impact
- safety psychology
- situational awareness
- unmanned plant
- other

Knowledge & Competence

- analysis of losses
- big data
- case histories
- competencies
- condition monitoring
- consequence assessment and modelling
- education, training and communication

- failure data
- lessons from recent incidents and near misses
- process safety animations
- other

Safety Culture

- corporate memory
- engaging business leaders
- safer plant operations
- safety leadership
- site safety culture assessment
- stakeholder engagement
- other

Systems & Procedures

- construction of process plant
- decommissioning
- HAZOP
- incident investigation
- integration of process safety management systems into existing business systems
- LOPA
- maintenance
- management of change (MoC)
- management of non-routine operations
- operational risk assessment (business risk)
- permit to work
- process safety management
- risk assessments
- standard operating procedures
- other

We're keen to hear about process safety experience in one of these core themes from a range of industry sectors including oil & gas, chemicals, offshore, power, laboratories, nuclear, food & drink, pharmaceuticals, water, manufacturing, renewable energy, agrochemicals, transmission networks and transport of hazardous goods/supply chain.

We're also keen to hear about experience in new technologies including new energy start-ups, LNG powered vehicles, hydrogen, CO₂, biomethane, unconventional gas, batteries.

