## Suggested abstract topics

### 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

### Climate change, decarbonisation, new technologies
- Carbon capture
- Inherent safety
- Managing the effect on existing infrastructure
- Managing the impact of changing weather and extreme events caused by climate change (e.g., flood risk, natural hazards)
- Managing the major hazard implications of new energies (e.g., H₂, LNG, CO₂, batteries, biomethane, unconventional gas, wind, solar)
- Nuclear
- Other

### Engineering and design
- Asset integrity and ageing plant
- Chemical reaction and decomposition hazards
- Digitalisation (e.g., 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
- 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 and 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 and 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

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