

Topics of the symposium combine traditional topics with new challenges of Loss Prevention area.

NEW CHALLENGES	A. Global aspects, methodology	B. Industry 4.0	C. Safe energy	D. New material hazards	E. Others
TRADITIONAL TOPICS					
1. Risk assessment	1.A	1.B	1.C	1.D	1.E
2. Security & Safety	2.A	2.B	2.C	2.D	2.E
3. Lessons learnt / Case studies	3.A	3.B	3.C	3.D	3.E
4. Human & organizational factors	4.A	4.B	4.C	4.D	4.E
5. Leadership and risk communication	5.A	5.B	5.C	5.D	5.E

Section 1. Risk assessment

- (1.A) Resilience-based approaches for risk assessment, hazard identification, dependability, cost
- (1.B) Smart factory and prevention of accidents
- (1.C) Hydrogen or fuel cell safety, Carbon capture and CO₂ storage safety, Biogas safety
- (1.D) Nanomaterial safety, Emerging risks
- (1.E) Safety and loss prevention in COVID19 era

Section 2. Security & Safety

- (2.A) Threats, analysis, measures, optimization
- (2.B) Cyber security and risk of digitalization
- (2.C) Safety of material production for solar cells
- (2.D) New test methods and improvements of old ones, forensic tests
- (2.E) Consequence analysis topics, Maintenance topics

Section 3. Lessons learnt / Case studies

- (3.A) Case study / lessons learnt of integrated aspects of loss prevention
- (3.B) Plants of the future
- (3.C) Case study / lessons learnt of Clean energy safety
- (3.D) Processing of nuclear materials
- (3.E) Accident case studies and lessons learnt from them

Section 4. Human & organizational factors

- (4.A) New opportunities for students and young researchers in safety engineering, Process simulation
- (4.B) Training in virtual / augmented reality, Cognition, Organizational health
- (4.C) Training and training material
- (4.D) Organizational systems (SMS for novel hazards), Test reproducibility (round robins)
- (4.E) Expert judgment, Decision making

Section 5. Leadership and risk communication

- (5.A) Risk & Safety management; Sustainability and process safety integration; Connection of chemical safety, loss prevention, occupational safety and environmental hazards
- (5.B) New stories on Safety 4.0
- (5.C) Risk communication
- (5.D) UN, GHS, IGUS organizational aspects
- (5.E) Organizational structure