

2018 EUROPEAN CONFERENCE ON PROCESS SAFETY & BIG DATA



EPSC



November 14-15, 2018

DECHEMA House
Frankfurt am Main, Germany

Submit Your Abstract By August 17, 2018

www.aiche.org/ccpseuropeanconference

The **3rd Edition of the European Conference on Process Safety and Big Data** will be featuring Augmenting Process Safety Performance through Big Data and Digitalization. Data generation & digitization is growing fast and can help to improve the safety of hazardous chemical operations. At this conference we will discuss the actual practices and opportunities.

Submit Your Abstract to: ccpseuropeanconference@aiiche.org that demonstrate the relevance of process safety improvements through big data and digitalization.



Call for Abstract Topics Includes:

1. Tools to avoid Human Errors

Digital tools to help operators and technicians avoid incidents caused by human error

2. Data Lakes / Intelligent Dashboards / KPIs

Benefits of Data Lakes and Visualization to Safety, increasing transparency of process behavior and correlations between measurements and presence or absence of incidents

3. Big Data Analytics

Benefits to process safety of using Big Data Analytics

4. Standards & Methods

Machine Learning, Artificial Intelligence, Standards which facilitate Big Data Analytics, Status of Standardization

5. Augmented Reality

Solutions with Augmented Reality to support plant operators, maintenance workers to avoid

human errors, give engineers the tools for human factor engineering/ergonomic plant design; Visualization of interrelations between measurements and safety, simulation of safety incidents

6. Predictive Maintenance

Practical Big Data examples and successful projects that drive Process Safety through improving maintenance effectiveness

7. Practical Examples/Case Studies

Early Identification of Process Safety and Hazard Risks, Intelligent Identification of Safety problems, solutions which reduce number and severity of incidents

8. Plant Improvements

Process Safety Synergies with big data based plant improvements

PREDICTIVE
MAINTENANCE

AUGMENTED
REALITY

STANDARDS
& METHODS

BIG DATA
ANALYTICS

DATA LAKES/
INTELLIGENT
DASHBOARDS/
KPIs

TOOLS TO
AVOID HUMAN
ERRORS

PRACTICAL
EXAMPLES

PLANT
IMPROVEMENTS

PROCESS SAFETY IMPROVEMENTS