

# 2020 EUROPEAN CONFERENCE ON PROCESS SAFETY & BIG DATA



EPSC



October 13 – 14, 2020

2PM – 6:30PM Central European Summer Time  
8AM – 12:30PM Eastern Daylight Time

*Co-organized by the Center for Chemical Process Safety and the European Process Safety Centre*

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The 5th Edition of the European Conference on Process Safety and Big Data will be featuring Augmenting Process Safety Performance through Big Data, Digitalization and Robotics. 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.

## CONFERENCE TOPICS:

- Keynotes
- Panel Discussions
- Big Data Analytics
- Risk Assessment & Management
- Predictive Maintenance
- Robotics & Emerging Technologies
- Poster Sessions
- Networking Breaks



For complete program information [click here!](#)

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## Conference Keynotes:



**Dr. Katherine Lemos**  
CSB Chair & CEO  
**Keynote 1: “Smart Safety Data”**



**Lloyd F. Colegrove**  
Retired, The Dow Chemical Company  
**Keynote 2: “Digital Transformation in the Chemical Industry”**



**Peter Dew**  
Chief Digital Officer DSM  
**Keynote 3: “How Digitalization will Work for DSM to Get Safer Processes”**



**Frederic Gimenz**  
Chief Digital Officer and VP Digital Factory Project, Total  
**Keynote 4: “Digitalization at Total”**

Checkout the conference website [www.aiche.org/ccpseuropeanconference](http://www.aiche.org/ccpseuropeanconference) for keynote presenters bios!

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## Conference Panels

### ❖ Panel 1: Technology Providers: “Customer Success Factors in Getting Started”

**Moderators:** *Abdul Aldeeb, Siemens & Tony Downes, Honeywell*

**Panelists:**

- *Joep Coenen, Versatec Energy, Sr. Consultant*
- *Dr. Payam Jamshidi, Siemens Energy, Global Lead for Mechanical Integrity*
- *Eugen Vlaicu, Honeywell Connected Industry, Application Engineering Manager*
- *Joe Stough, SIFZero Advisory Services, Founder*

### ❖ Panel 2: Challenges to the Process Industry Operators for leveraging Big Data for Process Safety

**Moderator:** *Richard Pawulski, Air Liquide*

**Panelists:**

- *Olivier Peeters, Total, Vice President, Technology and Projects*
- *Greg Nesmith, Dow, Senior Process Safety Manager*
- *Kiran Krishna, Shell Global Solutions, Systems Engineering Digital Lead*



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[www.aiche.org/ccpseuropeanconference](http://www.aiche.org/ccpseuropeanconference) for more info!

# October 13<sup>th</sup> Conference Technical Session Presentations

## Session 1: Big Data Analytic

**Session Chair: Arthur Groot, DSM**

- Rethinking Process Safety & Risk Management in Operation- The Emergence of ORM Digital Twins – **Simon Jones**, Sphera
- Open Source Data Mining and Machine Learning for the Process Alarms of SCADA System – **Gyula Dörgő**, University of California, Davis
- Predictive Maintenance Using Artificial Intelligence - Fire & Gas Detectors Maintenance Planning Based on Statistical Analysis and Weather Forecast – **Stig Pettersen**, Lundin Energy

## Session 2: Risk Assessment & Management

**Session Chair: Daniel Mottaghi, Total**

- “HAZOP+” Operational Optimisation & HAZOP as a Synergy – **Hans Schwarz**, ProSafeX & **Thomas Froese**, Atlantec Systems
- HSE Management in the Age of Artificial Intelligence – Predictive Modeling of Process Safety – **Johan van Middelaar**, TNO
- A Knowledge Driven Online FMEA System for Risk Management in Petroleum Refinery – **Nicolas Ranchet**, TOTAL

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# October 14<sup>th</sup> Conference Technical Session Presentations

## Session 3: Predictive Maintenance

**Session Chair: Mike Snyder, DEKRA**

- Preventive Maintenance by making use of Machine Learning and Currently Available Instrumentation – **Bart Groenenboom**, DSM Food Specialties
- Assessing Mechanical Asset Integrity by means of Permanently Mounted Sensors – **Buque Cesar**, TÜV SÜD
- Process Safety: Understanding how AI can Drive Value from Big Data – **Jim Chappell**, Aveva

## Session 4: Robotic & Emerging Technologies

**Session Chair: Tijs Koerts, EPSC**

Ground Robots can Lead to a Step Change in Safety – **Duco Drenth**, Dietsmann

- Technician of the Future: How to Take Your Work Management Processes to the Next Level – **Heena Purohit**, IBM
- Delek U.S. Vision for Refinery of the Future – **Louis LaBella**, Delek & **Jim Petrusich**, GoArc

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## Registration for Conference is Now Open!

Registration Type	CCPS & EPSC Member Rate	Non-Member Rate	Student Rate	Speaker & Planning Committee Member Rate
Whole Conference (Oct 13 - 14, 2020)	\$199	\$249	\$69	\$149

Visit the registration page for detail: <https://www.aiche.org/ccps/conferences/ccps-european-congress-on-process-safety/2020/events/2020-european-conference-on-process-safety-and-big-data-registration-information>

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If you have any questions please feel free to email  
[ccpseuropeanconference@aiCHE.org](mailto:ccpseuropeanconference@aiCHE.org)