

# 2016 EUROPEAN CONFERENCE ON PROCESS SAFETY AND BIG DATA



**October 5, 2016**

9:00 AM – 9:15 AM	CCPS Welcome – Shakeel Kadri, CCPS
9:15 AM – 9:45 AM	Keynote 1 – Digitizing your Assets to create Value, Jagannath Rao, Head of Siemens Data Driven Services
9:45 AM – 10:10 AM	Keynote 2 – United Airlines – Application of Analytics applied to improve Safety Performance, John DeGiovanni and Brent McKinney, United Airlines
10:10 AM – 10:30 AM	Panel Discussion – Staying step ahead: Process Safety goes predictive with the Big Data Analytics – Hans Schwarz, BASF and Pol Hoorelbeke, Total
10:30 AM – 11:00 AM	<b>Coffee Break</b>
<b>Session Title: Big Data Methodology 1</b>	
<b>Session Chair: Thomas Froese</b>	
11:00 AM – 11:20 AM	Using smart and big data when developing framework for predicting process safety, Anne Marie Wahlstrøm, DNV
11:20 AM – 11:40 AM	A Catalyst Lifetime Prediction Tool for Water-Gas-Shift Reactors, Evrim Oers, Air Liquide
11:40 AM – 12:00 PM	Improving Safety of Water and Drinking Water Treatment Plants by Application of Artificial Intelligence, Joerg Gebhardt, Aquatune GmbH
12:00 PM – 12:20 PM	Proactive Event Management Through Text Mining & Automatic Classification, Jean Andre, Air Liquide
12:20 PM – 12:30 PM	Q&As on Session 1
12:30 PM – 1:30 PM	<b>Lunch</b>
<b>Session Title: Big Data and Process Safety – Leading Indicators</b>	
<b>Session Chair: Abdul Aldeeb</b>	
1:30 PM – 1:50 PM	Prospective and Challenges in Managing Process Big Data for Pressure Relief and Disposal Systems Performance Indicators, Abdul Aldeeb, Siemens
1:50 PM – 2:10 PM	Using Risk Process Execution Data and Predictive Analytics to Drive OE-HES Performance, Joe Stough, IHS
2:10 PM – 2:30 PM	Preventing Catastrophic Incidents: Linking Analysis of High Reliability Organizations with Leading Process Safety Indicators, Mike Snyder, DEKRA
2:30 PM – 2:50 PM	Collecting Safety Performance Indicator Data: But how and what to conclude?, Hans Pasman, TEES
2:50 PM – 3:00 PM	Mary Kay O'Connor Process Safety Center
2:50 PM – 3:00 PM	Q&As on Session 2
3:00 PM – 3:30 PM	<b>Coffee Break</b>
<b>Session Title: Big Data and Process Safety – Lagging Indicators</b>	
<b>Session Chair: Pol Hoorelbeke</b>	
3:30 PM – 3:50 PM	Data Mining of Big Data to improve Process Safety Management of Pipeline and Piping, Franck M. Clement, Total
3:50 PM – 4:10 PM	Orpic's chosen Approach, Framework and Tools that made this Journey efficient and successful, Sohail Rabbani, Orpic
4:10 PM – 4:30 PM	Structure Data with Bowties, Alex de Ruijter, CGE Risk Management Solutions
4:30 PM – 4:50 PM	Smarter Decision-Making by Connecting the Power of Process Safety Management to Daily Operations Using Risk Data, Simon Jones, Petrotechnics
4:50 PM – 5:00 PM	Q&As on Session 3
5:00 PM	<b>End of Day 1</b>

## October 6, 2016

9:00 AM – 9:15 AM	EPSC Welcome -- Hans Schwarz, BASF
9:15 AM – 10:15 AM	Panel Presentation --- Big Data Methodology [15 min remarks each] <ul style="list-style-type: none"> <li>• Achieving the Next Level of Asset Integrity with Predictive Maintenance, Malte Hippe, McKinsey Consulting</li> <li>• Real-time Big Data Analysis, Jim Petrusich, Northwest Analytics</li> <li>• A Panel Session as “State of Affairs in Process Safety Big Data Analytics”, Joe Stough, HIS</li> <li>• Evolving Asset Integrity from “I Think” to “I know”, Seth Taylor, Chevron</li> </ul>
10:15 AM – 10:50 AM	Panel Discussion --- Big Data Methodology 2-3 Industry Executives/Leaders and 4 Panel Presenters from Panel Presentation
10:50 AM – 11:20 AM	<b>Coffee Break</b>
<b>Session Title: Big Data Methodology 2</b>	
<b>Session Chair: Joseph Stough</b>	
11:20 AM – 11:40 AM	From Data Science to Data Stories: Helping Domain Experts adopt and internalize advanced Analytics, Ekaterina Vladislavleva, Evolved Analytics
11:40 AM – 12:00 PM	Big Data in Process Safety – Enhancement or Degrading of Weakness, Juergen Schmidt, Center of Safety Excellence
12:00 PM – 12:20 PM	Proactive Risk Leadership – Using Data Analytics to prevent serious Process Safety Incidents, Coen van Driel, Kienbaum Consultants
12:20 PM – 12:30 PM	<b>Q&amp;As on Session 4</b>
12:30 PM – 1:30 PM	<b>Lunch</b>
<b>Session Title: Big Data and Process Safety – Leading Indicators + Big Data Methodology + Case Studies</b>	
<b>Session Chair: Johann Student</b>	
1:30 PM – 1:50 PM	From the shop floor to the top floor – how data drives board decisions for process safety, Felix Hanisch, COVESTRO
1:50 PM – 2:10 PM	Integrating Process Safety Data Management to focus on what matters, Srinivasan Ramabhadran, DuPont Solutions
2:10 PM – 2:30 PM	Hypercubic Modeling, Olivier Riou, BrainCube and Dow Representative [to be defined]
2:30 PM – 2:50 PM	Improving the Investigation of Process Safety Incidents using Big Data, Thomas Dhollander, Trendminer
2:50 PM – 3:00 PM	<b>Q&amp;As on Session 5</b>
3:00 PM – 3:30 PM	<b>Coffee Break</b>
<b>Session Title: Big Data and Process Safety – Case Studies</b>	
<b>Session Chair: Hans Schwarz</b>	
3:30 PM – 4:00 PM	Use specialized Neural Network System for Predictive Maintenance and Safety, Thomas Froese, Atlan-tec Systems and Diana Vargas, Air Liquide
4:00 PM – 4:20 PM	Reliability Center: Proactive Remote Condition Monitoring as Driver for Reliability and Operational Excellence, Haritz Ugalde Olascoaga, BASF
4:20 PM – 4:40 PM	Experimenting a Data-Mining Approach for Process Safety@Total, Juliette Spinnato, Total
4:40 PM – 5:00 PM	<b>Q&amp;As on Session 6</b>
5:00 PM	Closing thoughts