

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	Coffee Break
Session Title: Big Data Methodology 1 Session Chair: Thomas Froese	
11:00 AM – 11:20 AM	Using Smart and Big Data when Developing Framework for Predicting Process Safety, Felix Weise, 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	Lunch
Session Title: Big Data and Process Safety – Leading Indicators Session Chair: Abdul Aldeeb	
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, HIS and Buzz Morris, Retired Global Head of OE-HES Chevron Upstream
2:10 PM – 2:30 PM	Preventing Catastrophic Incidents: Linking Analysis of High Reliability Organizations with Leading Process Safety Indicators, Mike Snyder, DEKRA Insight and Tim Boyer, DEKRA
2:30 PM – 2:50 PM	Collecting Safety Performance Indicator Data: But How and What to Conclude?, Hans Pasman, TEES Mary Kay O'Connor Process Safety Center
2:50 PM – 3:10 PM	How Data Analytics is Shaping the Process-Safety Landscape, Phil Jarrell, Honeywell Process Solutions
3:10 PM – 3:20 PM	Q&As on Session 2
3:20 PM – 3:50 PM	Coffee Break
Session Title: Big Data and Process Safety – Lagging Indicators Session Chair: Pol Hoorelbeke	
3:50 PM – 4:10 PM	Data Mining of Big Data to Improve Process Safety Management of Pipeline and Piping, Franck M. Clement, Total
4:10 PM – 4:30 PM	Orpic's Chosen Approach, Framework and Tools that Made this Journey Efficient and Successful, Sohail Rabbani, Orpic
4:30 PM – 4:50 PM	Structure Data with Bowties, Alex de Ruijter, CGE Risk Management Solutions
4:50 PM – 5:10 PM	Smarter Decision-Making by Connecting the Power of Process Safety Management to Daily Operations Using Risk Data, Simon Jones, Petrotechnics
5:10 PM – 5:20 PM	Q&As on Session 3
5:20 PM	End of Day 1

October 6, 2016

9:00 AM – 9:15 AM	EPSC Welcome -- Hans Schwarz, BASF & Pol Hoorelbeke, Total
9:15 AM – 10:15 AM	Panel Presentation --- Big Data Methodology [15 min remarks each] <ul style="list-style-type: none"> Achieving the Next Level of Asset Integrity with Predictive Maintenance, Malte Hippe, McKinsey Consulting Real-time Big Data Analysis, Jim Petrusich, Northwest Analytics A Panel Session as “State of Affairs in Process Safety Big Data Analytics”, Joe Stough, HIS and Buzz Morris, Retired Global Head of OE-HES Chevron Upstream Evolving Asset Integrity from “I Think” to “I know”, Seth Taylor, Chevron
10:15 AM – 10:50 AM	Panel Q&A Discussion --- Big Data Methodology 2-3 Industry Executives/Leaders and 4 Panel Presenters from Panel Presentation
10:50 AM – 11:20 AM	Coffee Break
Session Title: Big Data Methodology 2 Session Chair: Joseph Stough	
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 and and Robert Kauer, TÜV SÜD
12:20 PM – 12:30 PM	Q&As on Session 4
12:30 PM – 1:30 PM	Lunch
Session Title: Big Data and Process Safety – Leading Indicators + Big Data Methodology + Case Studies Session Chair: Johann Student	
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, John Cockburn, DuPont Solutions
2:10 PM – 2:30 PM	Hypercubic Modeling, Stephane Robelin, BrainCube and Dow Representative
2:30 PM – 2:50 PM	Improving the Investigation of Process Safety Incidents using Big Data, Han De Leenheer, Trendminer
2:50 PM – 3:00 PM	Q&As on Session 5
3:00 PM – 3:30 PM	Coffee Break
Session Title: Big Data and Process Safety – Case Studies Session Chair: Hans Schwarz/Thomas Wolff	
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	Q&As on Session 6
5:00 PM	Closing Thoughts by Conference Co-Chairs