2017 Europe Process Safety + Big Data Program – Day 1

November 14, 2017	
9:00 AM – 9:15 AM	CCPS WELCOME ADDRESS – SHAKEEL KADRI, CCPS
9:15 AM – 9:45 AM	KEYNOTE 1: "Big Data Analytics at TOTAL", Pol Hoorelbeke, TOTAL
9:45 AM – 10:15 AM	KEYNOTE 2: "Improving Process Safety Using Real-Time Analytic Monitoring", Jim Petrusich, Northwest Analytics
10:15 AM – 11:00 AM	PANEL DISCUSSION – Standardization Aspect of Big Data Analytics Moderator: Hans Schwarz (BASF) Thomas Froese, atlan-tec Systems Sebastian Schmitz, I40 Maturity Center Heiko Adamczyk, Koramis
11:00 AM – 11:30 AM	Coffee Break
SESSION 1: Alarm / Data Analytics Management, SESSION CHAIR: Mike Snyder (DEKRA)	
11:30 AM – 11:50 AM	"Pipeline Inspection Analytics: Learning from Weak Signals to Predict the Degradation Risk Level", Laurent Querella, TOTAL
11:50 AM – 12:10 PM	"Sitech's Process and Asset Analytics Journey", Marc Pijper, Sitech
12:10 PM – 12:30 PM	"Advanced Data Analytics for Improved Process and Plant Safety", Volker Hirsch, Siemens AG
12:30 PM – 12:50 PM	"Big Data Reconciliation for Safe Operation of Partial Oxidation Plants and Determination of Accurate Key Performance Indicators", Sofien Cavagnol, Air Liquide
12:50 PM – 1:00 PM	Q & As on Session 1
1:00 PM – 2:00 PM	Lunch
SESSION 2: DCS Data Analytics, SESSION CHAIR: Abdul Aldeeb (Siemens)	
2:00 PM – 2:20 PM	"How Honeywell is Using Data Analytics to Assure Process Safety Risk Management", Tony Downes, Honeywell
2:20 PM – 2:40 PM	"Early Detection of Abnormal Situation & Monitoring Its Propagation with Advanced Machine Learning Techniques", Sankar Selvaraj, Yokogawa Japan
2:40 PM – 3:00 PM	"Automating AI across Data Silo's in Process Safety and Process Manufacturing", Krishnan Raman, Flutura - Decision Sciences and Analytics
3:00 PM – 3:20 PM	"Leveraging Process Data for Improved Productivity in the Process Industry", Sven Lohmann, Emerson Process Management
3:20 PM – 3:30 PM	Q &As on Session 2
3:30 PM – 4:00 PM	Coffee Break
SESSION 3: Inspection and equipment monitoring, SESSION CHAIR: Pol Hoorelbeke (TOTAL)	
4:00 PM – 4:20 PM	"How can Process Safety Learn From Other Areas Already Using Big Data Analytics, Machine Learning & AI?" Gus Carroll, Centrica
4:20 PM – 4:40 PM	"Digitalization of Analyzer Systems to Reduce Costs and Optimize Efficiency at Downstream Oil and Gas Facilities", Dirk Koerwer, Siemens
4:40 PM – 5:00 PM	"Case study in TOTAL: Use of Data Science analytics to Improve Efficiency of an Inspection Program in a Refinery", Juliette Spinnato, TOTAL
5:00 PM – 5:20 PM	"VIPro: Predictive Maintenance for Existing Plants in Process Manufacturing", Nico Zobel, Fraunhofer-Institut für Fabrikbetrieb und -automatisierung (IFF),
5:20 PM – 5:30 PM	Q&As on Session 3
5:30 PM	RECEPTION

2017 Europe Process Safety + Big Data Program – Day 2

November 15, 2017	
9:00 AM – 9:15 AM	EPSC Welcome – Hans Schwarz, BASF & Pol Hoorelbeke, Total
9:15 AM – 9:45 AM	KEYNOTE 3: "Proactive Technical Monitoring – Directing the Attention Towards Parameters that Matter", Christian Schacht, Shell
9:45 AM – 10:15 AM	KEYNOTE 4: "Using Operations Intelligence Platforms to Improve Decision-Making in Upstream Oil and Gas", Stig Olav Settemsdal, Siemens
10:15 AM – 11:00 AM	PANEL DISCUSSION –Big Data Analytics applied in Operating Companies Moderator: Willi Meier, DECHEMA Juliett Spinnato, Total Tony Downes, Honeywell Christian Schacht, Shell
11:10 AM – 11:30 AM	Coffee Break
SESSION 4: Incident prediction from operational data, Session Chair: Hans Schwarz (BASF)	
11:30 AM – 11:50 AM	"Properly Analyzed Big Data for Critical Turbomachinery Protective Systems Could Save the Day (& Personnel)", Curtis Miller, SIS SILverstone LLC
11:50 AM – 12:10 PM	"Asset Integrity, Process & Occupational Safety and Data Analytics as an Integrated Approach", Robert Kauer, TUEV,
12:10 PM – 12:30 PM	"Adopting a Simplification Agenda – The Correlation Between Big Data, Its Management and Process Safety in Major Hazard Organizations", Rachel Bennett, ERM
12:30 PM – 12:50 PM	"Feed-Forward Neural Network and Recurrent Neural Network for Source Tracking of Chemical Leaks using Fence Monitoring Data", Dongil Shin, Myongji University
12:50 PM – 1:00 PM	Q & As on Session 4 + Panel + Keynotes
1:00 PM – 2:00 PM	Lunch
SESSION 5: Learning from other Industries, Session Chair: Thomas Froese (atlan-tec Systems)	
2:00 PM – 2:20 PM	"Increasing the Safety and YET Optimization of a Hydro Cracker by using Big Data Advanced Analytics", Andreas Krueger, atlan-tec Systems
2:20 PM – 2:40 PM	"Optimum Reliability for Maximum Safety" Justin Eames, Aspentech
2:40 PM – 3:00 PM	"Safety through Big Data, AI, IoT and Predictive Analytics - An Overview of the NFPA Data Analytics Sandbox", Nathaniel Lin, NFPA
3:00 PM – 3:20 PM	"A New Way in Process and Plant Safety – How Big Data can Help to Achieve a Better Process Safety", Fabian Goerlich, Center of Safety Excellence
3:20 PM – 3:30 PM	Q & As on Session 5
3:30 PM – 4:00 PM	Coffee Break
SESSION 6: Session Title: Lessons Learned, Session Chair: Tijs Koerts (EPSC)	
4:00 PM – 4:20 PM	"Visualizing Incidents with Bowtie", Emma Verschoor, CGE Risk Management Solutions
4:20 PM – 4:40 PM	"Industrie 4.0 Maturity Index, How to Manage the Digital Transformation Successfully", Moritz Schroter, I40 Maturity Center
4:40 PM – 5:10 PM	"Optimizing the Environmental Safety and Steam Usage of a Waste Water Steam Column by using Big Data Analytics", Thomas Froese - atlan-tec-Systems and Jasper Rutten - Huntsman
5:10 PM – 5:30 PM	Q & As on Session and Feedback on the conference
5:30 PM	Vote of Thanks from CCPS and EPSC