2019 EUROPEAN CONFERENCE ON PROCESS SAFETY & BIG DATA

CCPS — An AIChE Technology Alliance — Center for Chemical Process Safety   EPSC

October 01, 2019	
8:30 AM – 8:50 AM	**WELCOME ADDRESS: Shakeel Kadri and Hans Schwarz**
8:50 AM – 10:00 AM **Keynotes Session Chair:** **Shakeel Kadri**	**KEYNOTE 1:** Integrating the Digital Field Worker Torsten Schroeter, Benjamin Weiher,and Alex J. Wood, Aveva
	KEYNOTE 2: Digital Tools to Help Operators and Technicians Avoid Incidents Caused by Human Error Dror Barak, GOARC
10:00 AM – 11:00 AM **Panel Session Chair:** **Richard Pawulski**	**PANEL DISCUSSION:** Process Industry's Evolution Towards Big Data for Process Safety: Challenges and Successes **Panelists:** - Erik Jan van den Heuvel – Dow - Nicolas Sands – Dupont - Nicolas Ranchet – Total - Marijn Bezuijen – Shell
11:00 AM – 11:25 AM	**Coffee Break**
11:25 AM – 12:55 PM	**SESSION 1: Tools to Avoid Human Errors**
Session Chair: **Willi Meier**	Safety Through Digitization – Digital Field Solutions that Enable and Empower, Sebastian Loeb, Honeywell
	Decision Support Platforms and Industry 4.0, Jim Petrusich, Northwest Analytics
	Unprecedented Process Safety Improvements through Dynamic Barrier Risk Management, Michel Tol, eVision Industry Software
12:55 PM – 1:55 PM	**Lunch**
1:55 PM – 3:25 PM	**SESSION 2: Data Lakes / Intelligent Dashboards / KPIs**
Session Chair: **Willi Meier**	Overcoming of Accuracy and Computing Time of Online Model-Based Reactor Safety Concepts, Johannes Biernath, Center of Safety Excellence
	From Incidents to Intelligent KPIs: The Construction of Safety Indexes Based on Events, Chabane Mazri, Ineris
	Using an Artificial Intelligence Technique and Quantitative Data in Risk Assessment Matrix: Fuzzy Sets Approach Pedro Prado, Petronew Engenharia e Projetos and University of Campinas
3:25 PM – 3:50 PM	**Coffee Break**
3:50 PM – 5:20 PM	**SESSION 3: Data Lakes / Intelligent Dashboards / KPIs and Big Data Analytics**
Session Chair: **Hans Schwarz**	Integrating Operational and Enterprise Risk Management to Improve Asset Integrity and Reliability, Sam Williams, ERM and Igor Milic, MOL Group
	Big Data Analytics and Emergency Management, Begum Dogan, CASGEM
	Finding Health & Safety Buried Treasure with AI, James Neophytou, IBM
5:20 PM – 5:50 PM	**SESSION 4: Big Data Analytics and Standards**
Session Chair: **Pol Hoorelbeke**	Applying Analytics to the Process Safety Life-Cycle: Reveal and Repair Process Safety Vulnerabilities, Nicolas Sands, DuPont and Tony Downes, Honeywell
5:50 PM	**RECEPTION & POSTER SESSION**

Note: Posters will be displayed during all breaks, Lunches and at Reception

October 02, 2019	
8:30 AM – 8:50 AM	**WELCOME ADDRESS:** Pol Hoorelbeke and Willi Meier
8:50 AM – 9:25 AM **Keynotes Session Chair:** **Pol Hoorelbeke**	**KEYNOTE 3:** Applying Safety Analytics for Improving Organizational Risk Capability to Reduce Incident Frequency and Severity: From Heavy Industry to the Modern Tech World, Joe Stough, WAITR, INC.
9:25 AM – 10:25 AM **Panel Session Chair:** **Abdul Aldeeb & Tony Downes**	**PANEL DISCUSSION:** Current Technology Developments for EHS Digital Solutions **Panelists:** • Uwe Schneider – Sphera • Sebastian Loeb – Honeywell • Thomas Garvin – IBM
10:25 AM – 10:50 AM	**Coffee Break**
10:50 AM – 12:20 PM	**SESSION 5: Practical Examples/Case Studies and Plant Monitoring**
Session Chair: **Daniel Mottaghi**	Journey from a Disconnected to an Integrated Workflow in Process Plant Operation, Sven Lohmann, Emerson
	Cloud QRA: Developing Digital Twins for Offshore Installations, Zoe Wattis, DNV GL and MyQRA: Dynamic Quantitative Risk Assessment and Online Sensitivities, Olivier Baldan, DNV GL
	A Holistic Approach for Managing Past, Present and Future of Operational Process Safety, Steve Elliott, Schneider Electric
12:20 PM – 1:10 PM	**Lunch**
1:10 PM – 2:40 PM	**SESSION 6: Robotics in Support of Safety &Predictive Maintenance**
Session Chair: **Mike Snyder**	Insight in the Use of Drones at Total, Julien da Vela, TOTAL
	Equipment Predictive Analytics for Predictive Monitoring. Monica Florentina Hildinger, Siemens
	Applying Deep Learning and Sequence Mining in Alarm Management, Janos Abonyi, University of Pannonia
2:40 PM – 3:15 PM **Keynotes Session Chair:** **Pol Hoorelbeke**	**KEYNOTE 4:** Artificial Intelligence for Process Safety: Past, Present, and Future, Venkat Venkatasubramanian, Columbia University (This presentation will be virtual)
3:15 PM – 3:40 PM	**Coffee Break**
3:40 PM – 4:40 PM	**SESSION 7: Standard & Methods and Augmented Reality**
Session Chair: **Hans Schwarz**	Mission #2 to the Safety Data Universe , Joep Coenen, Versatec Energy and Mark Van 't Zet, Radial SG
	Is Big Data Analysis Really Worth for Instrumentation?, Christian Demski, Dow Chemical
4:40 PM	**Vote of Thanks & Plan for 2020**

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