2021 EUROPEAN CONFERENCE ON PROCESS SAFETY & BIG DATA

CCPS EPSC

Conference Time Zone: *Central European Summer Time*

October 13, 2021	
2:00 – 2:10 PM	**WELCOME ADDRESS:** *Shakeel Kadri, Executive Director & CEO, CCPS*
2:10 – 3:00 PM Keynotes Session Chairs: *Joe Stough & Mike Snyder*	**KEYNOTE 1:** Digital Journey for Process Safety *Cotey Cswaykus, Chevron*
	KEYNOTE 2: PPG Spill Likelihood Index *Pedro Perez and Juan Merino, PPG*
3:00 – 3:20 PM Facilitators: *Joe Stough & Mike Snyder*	**Networking Break & Keynote Q&A**
3:20 – 4:10 PM Panel Session Chairs & Moderator: *Joe Stough, Arthur Groot & Tijs Koerts*	**PANEL 1:** Challenges to Integrate New Digitalization Tools & Technologies into Existing Facilities **Panelist:** • *Wilfred Beijers*, Chevron • *Greg Nesmith*, Dow • *Michel Lutz,* TotalEnergies • *Awad Shehri*, Saudi Aramco
4:10 – 4:30 PM	**Break**
4:30 – 5:20 PM	**SESSION 1: Augmented Reality & Robotic**
Session Chairs: *Mike Snyder & Anil Gokhale*	Augmented Reality to Improve Process Safety *Herve Vaudrey & Juhani Lassila, DEKRA*
	How Virtual Reality training, based on Digital Twin, Supported Covestro's Safety and Reliability on their Largest Production Lines *Anke Köster & Pietro Valsecchi, Covestro*
	How Machine Learning Supported by a Cobot-Installation Can Help to Increase Occupational Workplace Safety Significantly – A Successful Case Study *Birger Bockius & Luca Kurzhals*, *Merck KGaA*
5:20 – 5:40 PM Session Chairs: *Horst Massong & Jing Chen*	**POSTER SESSION**
5:40 – 6:30 PM	**SESSION 2: Big Data Analytics for Process Safety**
Session Chairs: *Tijs Koerts & Anil Gokhale*	*Siemens Energy Sponsored 5 minutes Presentation –* **Dries Goossens**
	Benefits of Process / Functional Safety Digital Transformation *Mike Scott, aeShield*
	Leveraging Big Data and Analytics to Improve Pressure Relief Valve Performance *Nancy Faulk, Siemens Energy*
	Aggregating OT Data to Promote Operability and Safety *Sven Lohmann, Emerson*
6:30-7:30	*Social Hour* *"A moderator will be assigned to each table to discuss process safety and big data hot topics with attendees"*

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2:00 – 2:10 PM	**WELCOME ADDRESS:** *Pol Hoorelbeke, Vice President Division HSE Audit & Accident Investigations, TotalEnergies and Chairman of EPSC Board*
2:10 – 3:00 PM Keynotes Session Chairs: *Shakeel Kadri, Pol Hoorelbeke & Hans Schwarz*	**KEYNOTE 3:** Intelligent Dynamic Risk Management ***Shashank Singh**, Reliance Industries Limited* **KEYNOTE 4:** Transforming Process Safety on a Grand Scale ***Fadi Ghajar**, Saudi Aramco*
3:00 – 3:20 PM Facilitators: *Shakeel Kadri, Pol Hoorelbeke & Hans Schwarz*	**Networking Break & Keynote Q&A**
3:20 – 4:10 PM Panel Session Chairs & Moderator: *Tony Downes & Abdul Aldeeb*	**PANEL 2:** The Journey for Sustainable and Innovative Implementation of Process Safety Big Data Analytics Projects **Panelist:** • ***Emmanuel Romeu**, SAS (JMP)* • ***Dag Yemenu**, ISN (ISNetWorld)* • ***Joe Stough**, SIFZERO*
4:10 – 4:30 PM	**Break**
4:30 – 5:20 PM	**SESSION 3: Prediction of Maintenance and Operational Errors**
Session Chairs: *Arthur Groot & Greg Nesmith*	Turning Cameras into Eyes – Success Stories and Lessons Learned from Leveraging Computer Vision to Improve Safety and Reliability in Facility Operations ***Muhammad Riandhy**, PT. Chevron Pacific Indonesia*
	Minimizing Human Errors in Data Gathering from the Field ***Paul Linkin**, GoArc*
	Neural Survival Modeling to Predict Process/Environmental Excursions in an Operating Facility ***Kyungjin Moon**, Honeywell*
5:20 – 5:40 PM Session Chairs: *Horst Massong & Jing Chen*	**POSTER SESSION**
5:40 – 6:30 PM	**SESSION 4: Tools to Avoid Human Errors**
Session Chairs: *Hans Schwarz & Daniel Mottaghi*	A Tool to Improve Loss Prevention from Human Error in High Hazard Industries through the Identification of Error Traps Using Machine Learning ***Nyala Noe**, Empirisys*
	PSE Asset Integrity Software and Training Help to Reduce or Eliminate Human Error ***Dianne Coon,** ioMosaic*
	Using Big Data to Generate Lab Certified PHA – Saving Time and Increasing Risk Discovery ***Roxanne Mai**, Risk Alive Analytics Inc.*
6:30 – 7:30 PM	*Social Hour* *"A moderator will be assigned to each table to discuss process safety and big data hot topics with attendees"*