

2022 GLOBAL CONFERENCE ON PROCESS SAFETY & BIG DATA



October 11, 2022	
9:00 AM – 9:10 AM	WELCOME ADDRESS: Pol Hoorelbeke, TotalEnergies Fellow Process Safety & EPSC Board Member
9:10 AM – 10:00 AM Keynotes Session Chair: Pol Hoorelbeke	KEYNOTE 1: Digital Transformation in Laboratories To Improve Operational Effectiveness & Safety <i>Lisa Reisenauer, Dow</i>
	KEYNOTE 2: Digital Transformation at TotalEnergies <i>Sylvain Comiti, TotalEnergies</i>
10:00 AM – 11:00 AM Panel Session Chair: Tijs Koerts	PANEL DISCUSSION: Industry Applications Panel Moderator: Tijs Koerts Panelists: <ul style="list-style-type: none"> • Lisa Reisenauer, Dow • Sylvain Comiti, TotalEnergies • Wassam A. Alqahtani, Saudi Aramco • M Bashir Ngah, Petronas • Reliance (invited)
11:00 AM – 11:30 AM	Coffee Break
11:30 AM – 12:45 PM	SESSION 1: Automation and Facilitation of HAZOP
Session Chair: Mike Snyder	Digital Process Hazards Analysis – A Hybrid Approach Arturo Trujillo, DEKRA
	Hazard Analysis and Big Data: With Big Data Comes Big Responsibility Sam Aigen, AcuTech Group
	Practical Applications of Plant-to-Graph Concept for HAZOP Automation, Information Exchange, and Process Safety Data Analytics Eva Sanchez Fernandez, Solverlo Limited
12:45 PM – 1:45 PM	Lunch
1:45 PM – 3:00 PM	SESSION 2: Big Data Analytics for Process Safety
Session Chair: Mike Snyder	MCDM with AHP with Analysis for HAZOP Recommendation Prioritization Kadriye Deniz Köse, Gebze Technical University & PSRG
	From Early Warning to Long-Term Monitoring – A solution for Detecting Dangerous Gas Emissions in Real-Time and Small Emission Sources by Big Data Analysis René Braun, Grandperspectives
	Advancing Reliability-Driven Analysis Using Big Data, Data Analytics, and Customized Reliability Methods Payam Jamshidi, Siemens Energy Limited
3:00 PM – 3:30 PM	Coffee Break
	SESSION 3: Tools to Support Risk Management and Asset Integrity
3:30 PM – 3:35 PM	Wolters Kluwer Enablon – 5 minutes Technologies talk
3:35 PM – 5:15 PM Session Chair: Abhilash Menon	Human Reliability Analysis (HRA) Integrated Tool within HAZOP and LOPA Omar ElToukhy, DNV
	Dynamic Risk Visualization: A New Vision for Connecting Process Safety and Operations Alwin Van Aggelen, Wolters Kluwer Enablon
	The Digital Worker Merges the Virtual with the Physical World Marvin Lehel, Siemens AG
	Digital Tools to Support Asset Integrity Management Daniel Mottaghi, TotalEnergies
5:15 PM – 6:30 PM	RECEPTION & POSTER SESSION

Note: Posters will be displayed during all Coffee Breaks, Lunches, and at Poster Reception

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October 12, 2022	
9:00 AM – 9:10 AM	WELCOME ADDRESS: Shakeel Kadri, <i>Executive Director & CEO, CCPS</i>
9:10 AM – 10:00 AM Keynotes Session Chair: Shakeel Kadri	KEYNOTE 3: PETRONAS Digitalization Journey Towards Process Safety Excellence <i>M Bashir Ngah, Petronas</i>
	KEYNOTE 4: Excellent OT Cyber-Security Is the Springboard to the Future of Process Safety <i>Sinclair Koelemij, Honeywell</i>
10:00 AM – 11:00 AM Panel Session Chair: Abdul Aldeeb	PANEL DISCUSSION: Technology Applications and Future Outlook Panel Moderator: Abdul Aldeeb Panelists: <ul style="list-style-type: none"> • Stefan Schaab – Siemens Energy • Konstantin Rogalas – Honeywell • Abhilash Menon – Sphera
11:00 AM – 11:30 AM	Coffee Break
11:30 AM – 12:45 PM	SESSION 4: Practical Examples and Case Studies & Cybersecurity
Session Chair: Daniel Mottaghi	Safety Digitalization Wassam A. Alqahtani, Saudi Aramco
	Data Analytics for the Development of a Fatigue Risk Management System Lisa Reisenauer, Dow
	Smart Fire Protection Systems Ray Webber, The Procter & Gamble Company & Travis Montembeault, Peerless Pump Company
12:45 PM – 1:45 PM	Lunch
1:45 PM – 2:45 PM Panel Session Chair: Tony Downes	PANEL DISCUSSION: Master Data Management and Asset Hierarchy Panel Moderator: Tony Downes Panelists: <ul style="list-style-type: none"> • Peter Hardy, Sphera • Christian Demski, Dow • Brian Williams, SAP • AVEVA (invited) • Saudi Aramco (invited)
2:45 PM – 3:15 PM	Coffee Break
3:15 PM – 4:30 PM	SESSION 5: Business Cases for Digitalization
Session Chair: M Bashir Ngah	Transforming Regas Terminal Sungai Udang Operation: Powered by Digital Farhan Abdul Rahim & M Faqrimy B Alias, Petronas
	Digitalized Flange Joint Integrity Solutions Safari Saad & Alzakri B Ekhwan, Petronas
	A Holistic View of Barrier Healthiness Using Online Bowtie Putri Vinta Kemala, P&O Production
4:30 PM – 5:45 PM	SESSION 6: Dynamic Risk Assessment and Mapping
Session Chair: Tony Downes	Dynamic Risk Assessment of Operating Unit Jatin Shah, BakerRisk
	3-D Dynamic Risk Assessment Monitoring System Carlos Junior, Ocyan S.A.
	Developing LOPA Conditional Modifiers Through Statistical Analysis of Consequence Modeling Peter Herena, CF Industries
5:45 PM	Vote of Thanks & Plan for 2023

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