



Process Safety and Asset Integrity Management in the Digital Age

September 16-17, 2021

Organized by:

Safety and Security Science Group
TU Delft

For Registration: <https://registration.socio.events/e/psaim>

*Registration is complimentary

For More Information m.yang-1@tudelft.nl





Day 1

Data-Driven Techniques and Digital Threats

September 16



9:00 - 17:00
CET

- 09:00-09:15 **Opening Remarks**
Prof. Pieter van Gelder
TU Delft
- 09:15-10:00 **Keynote 1: Digitalization in HSE Management**
Royal Dutch Shell
- 10:00-10:45 **Keynote 2: Data-Driven Approaches for Process Safety Management**
Prof. Rajagopalan Srinivasan
Indian Institute of Technology Madras
- 10:45-11:00 **Coffee Break**
- 11:00-12:00 **Round Table: Digital Tools for Process Safety**
- 12:00-13:30 **Lunch Break**
- 13:30-14:15 **Keynote 3: Digital Security in the process industry**
Prof. Valerio Cozzani
University of Bologna
- 14:15-15:00 **Keynote 4: Resilience in the process industry**
Prof. Hans Pasman
Texas A&M University
- 15:00-15:15 **Coffee Break**
- 15:15-16:00 **Keynote 5: Risk Assessment and Management of Digital Systems in the Process Industry**
Prof. Faisal Khan
Memorial University of Newfoundland
- 16:00-17:00 **Roundtable: How to Deal with Digital Threats**



Day 2

**Integrity
Management
and
Safety Culture**

September 17



**9:00 - 16:00
CET**

- 09:00-09:15** **Opening Remarks**
Mr. Arjan van Dijk
Safety Delta Nederland
- 09:15-10:00** **Keynote 6: Use of Predictive Maintenance
in Asset Integrity Management**
Dr. Mihaela Mitici
TU Delft
- 10:00-10:45** **Keynote 7: Probabilistic Digital Twin in
Offshore Oil and Gas Operations**
Dr. Arvind Keprate
Oslo Metropolitan University
- 10:45-11:00** **Coffee Break**
- 11:00-12:00** **Round Table: : Integrity Management in
Digital Age**
- 12:00-13:30** **Lunch Break**
- 13:30-14:15** **Keynote 8: Safety Culture in Digital Ages**
Prof. Genserik Reniers
TU Delft
- 14:15-15:00** **Keynote 9: Process Safety Education in
the Digital Age**
Prof. Paul Amyotte
Dalhousie University
- 15:00-16:00** **Round table: Safety Culture and Education
in Digital Age**

Technical & Organizing Committee

TU Delft, The Netherlands

Prof. Pieter van Gelder, 3SG, TPM

Prof. Genserik Reniers, 3SG, TPM

Dr. Ming Yang, 3SG, TPM

Dr. Chao Chen, 3SG, TPM

Prof. Andre de Haan, AS

Prof. Anton A. Kiss, AS

Dr. Pieter Swinkels, AS

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Dr. Xiaoli Jiang, 3mE

Dr. Maria Nogal, CiTG

Safety Delta Nederland, The Netherlands

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Tsinghua University, China

Prof. Jinsong Zhao

Nazarbayev University, Kazakhstan

Prof. Atakan Varol

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