

33RD ANNUAL EUROPEAN SEMINAR

'SAFE OPERATION OF CHEMICAL PLANTS, NEW TECHNIQUES TO IMPROVE SAFETY'

April 17th 2018

Landgoed Ulvenhart / Ulvenhout (Breda)

Excellence in safety is the key to address the increasing complexity of industrial production processes and the increase of rules and regulations both in Europe and internationally.

Experts in the field of plant operation will give an overview of new methodologies and techniques to improve process safety in the chemical industry and related sectors.

The 33rd European joint AIChE / Delta Process Academy Seminar is an effective platform for interacting and sharing insights with industry leaders and professionals.

📍 LOCATION

Landgoed Ulvenhart
Heistraat 16
4858 RL Ulvenhout (Breda)
The Netherlands

✍️ REGISTRATION AND INFORMATION

AIChE NL/B Secretariat
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💰 FEES

Participant: € 130 euro

Sponsor: € 110 euro

Members of Delta Process Academy: first participant free

- * Early registration discount: 10% (on or before March 17th)
- * Cancellation after April 10th cannot be accepted; delegate substitutions may be made at any time at no costs.

PROGRAM

13.30	Registration and coffee
14.00	Opening
14.15	Presentations and Q&A
15.45	Break
16.15	Presentations and Q&A
17.45	Closing
18.00	Drinks and dinner

SPEAKERS

CATALYTIC PROCESSES AND PROCESS SAFETY REQUIREMENTS

Geert Vercruysse, Project Coordinator BASF

On June 3, 2014, two major explosions and subsequently a fire occurred at a SM/PO plant in the Netherlands. The investigation report showed that the root cause of the incident was an unexpected reaction of the catalyst with ethylbenzene. This reaction happened during the commissioning phase of the in-situ activation of the catalyst.

This explosion may have been a trigger to review the commissioning and start up procedures to see if a similar incident could happen. The results of a review (inclusive other catalyst related incidents) will be shown and used as a basis for discussion.

Ir. Geert Vercruysse graduated in 1992 at the University of Ghent. He started his career at BASF Antwerp as a production manager for the EB/Styrene plant where he became project manager in 1998 and plant manager in 2001. As of 2004 he became plant manager at the Steamcracker, which is also located on the Antwerp site. In October 2012 he took the responsibility of the Butadiene Project as Project Manager. At the moment he is responsible as project coordinator for all Steamcracker related projects at the BASF Antwerp site.

Since October 2010 Geert combines his professional activities with the role of guest professor in Process Safety Engineering at KU Leuven where he teaches "Process Safety of Unit Operations" and facilitates the course "Competence in Operations", in cooperation with Essenscia.

SMART TAG TECHNOLOGY

Mathieu Westerweele, Co-founder and co-director Operating Training Solutions

Ideally, in terms of safety and good operation, every valve in a plant or tank terminal should have a position indication that is available in the Control Room. It is, however, common practice that only very few hand valves have an actual position notifier. Mathieu will present a new "Smart Tag Technology" (originally intended for Operator Training) that turned out to be a highly effective and low cost(!) solution to minimize operational risks, by having an overview of the actual valve positions of all (important) hand valves.

During his PhD research project, Mathieu Westerweele developed a methodology for the rapid and systematic construction of consistent dynamic process models. Together with his business partner Jan Laurens, he founded Mobatec in 2005. The implementation of the modelling methodology in Mobatec Modeller has been successfully used for over fifteen years in an industrial environment; modelling and simulation of industrial, lab-scale or pilot plant processes (either continuous, semi-continuous, batch or semi-batch, either the complete process or only parts).

SPEAKERS

OT SECURITY, A TECHNICAL OR AN ORGANIZATIONAL CHALLENGE?

Marcel Kelder, Sales Manager Advanced Solutions Yokogawa Europe B.V.

Cyber security has become a significant factor in the overall risk management for industrial installations, process plants and other critical assets. With the advent of new technologies such as IIoT Industry 4.0 in the plant automation domain, and the increased interconnectedness of plants, networks and equipment, cyber security vulnerabilities pose real risk for safety and business continuity. Although there is awareness, companies are struggling with implementing a proper cyber security program for the OT domain. Is OT security more a technical or an organizational challenge. This is the central question of the presentation plus how to overcome certain barriers.

Marcel Kelder brings 28 years of experience in several areas of the Operational Domain including OT cyber security. In 1990 Marcel started as a proposal engineer for control systems working on the Dutch market for 12 years. From 2002 Marcel started at international account manager for 12 years among others responsible for ExxonMobil, Shell, Yara and Vopak. From 2002 Marcel is responsible for Advanced Solutions in Europe. The Yokogawa advanced solution portfolio incorporates approximately 30 products in the areas of Organization, Operation, Production, Energy and Asset. The solutions contribute strongly to the vertical integration between the operational and business domain of a company.

RISK MANAGEMENT - PRACTICAL APPROACH TOWARDS SAFETY MANAGEMENT

Kristin Boogaerts - Branch office manager Jacobs

Risk management is a key factor in Designing for Safe Operation. Driven by the Seveso Directive and the associated emphasis on prevention of loss of containment, the implementation of an all capping Safety Management system is essential. Both in new design and in assessment of Safety Management in existing installations; a robust analysis and structured project type approach can help to identify and mitigate the risks. Key success factors in this process is the collaboration of all stakeholders and the continuous maintenance of the systems with special emphasis on Management of Change. We will provide case studies executed by JACOBS where we implemented our tailor-made approach towards Safety Management.

Kristin is very familiar with all aspects of Safety, Health and Environmental issues in chemical processing industries and related industries. She has acted as a process engineer, project team leader and HSE manager in several owners' companies. Kristin is very familiar with Flemish and Dutch environmental and safety legislation and regulations (including recent evolution) and follows closely the evolution of legislation. She has extensive knowledge of fire protection regulations and technologies. Kristin is involved in and contributes to development of client relations for the Ghent office in particular and the Belgian office in general.

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Yes, I would like to attend the 33rd Annual European Seminar 'Safe Operation of Chemical Plants, new techniques to improve safety' on Tuesday April 17th, 2018.

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