



TNCHE Asia 2023 Conference

#11 Chemical Process Safety Sharing
(11# CPSS)

Presenter Bio data & Abstract



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Presentation Topic : Augmented human intelligence to drive actionable safety insights

Presentation Abstract:

For many years companies have used safety performance data such as process leaks, near misses, audit findings, injury rates, etc. to develop trends and plans for managing preventive and mitigative measures in their facilities. In more recent years, companies across a wide-range of industries are leveraging advance data analysis to improve safety. Statistical data methodologies are explored to convert safety information for improving safety performance. Many organizations have invested in dashboarding and visualizing of their safety data and have competent personnel in doing trending and analysis. Despite continued investments in safety, companies struggle to drive their safety performance record to a breakthrough lower level. The recurrence of major hazard accidents in the process industry also shows the limitation of the efforts being implemented through inherent safer design and operations with lessons learnt from past accidents. What can we do differently?

This presentation provides insights on applying data science and machine learning that can take data analytics to the next level to discover unknown factors and risks from structured and unstructured data. ERM's @Connected Safety is a Human Centered AI Powered Approach that helps companies to reconfigure the organization's safety program.