

8th GSPS Conference Program [Rev-06]

Updated as on 5 November 2024

8TH CCPS
GLOBAL
SUMMIT
ON PROCESS SAFETY

CONFERENCE PROGRAM

Organized by:

8th GSPS Conference Program [Rev-06]

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About the summit

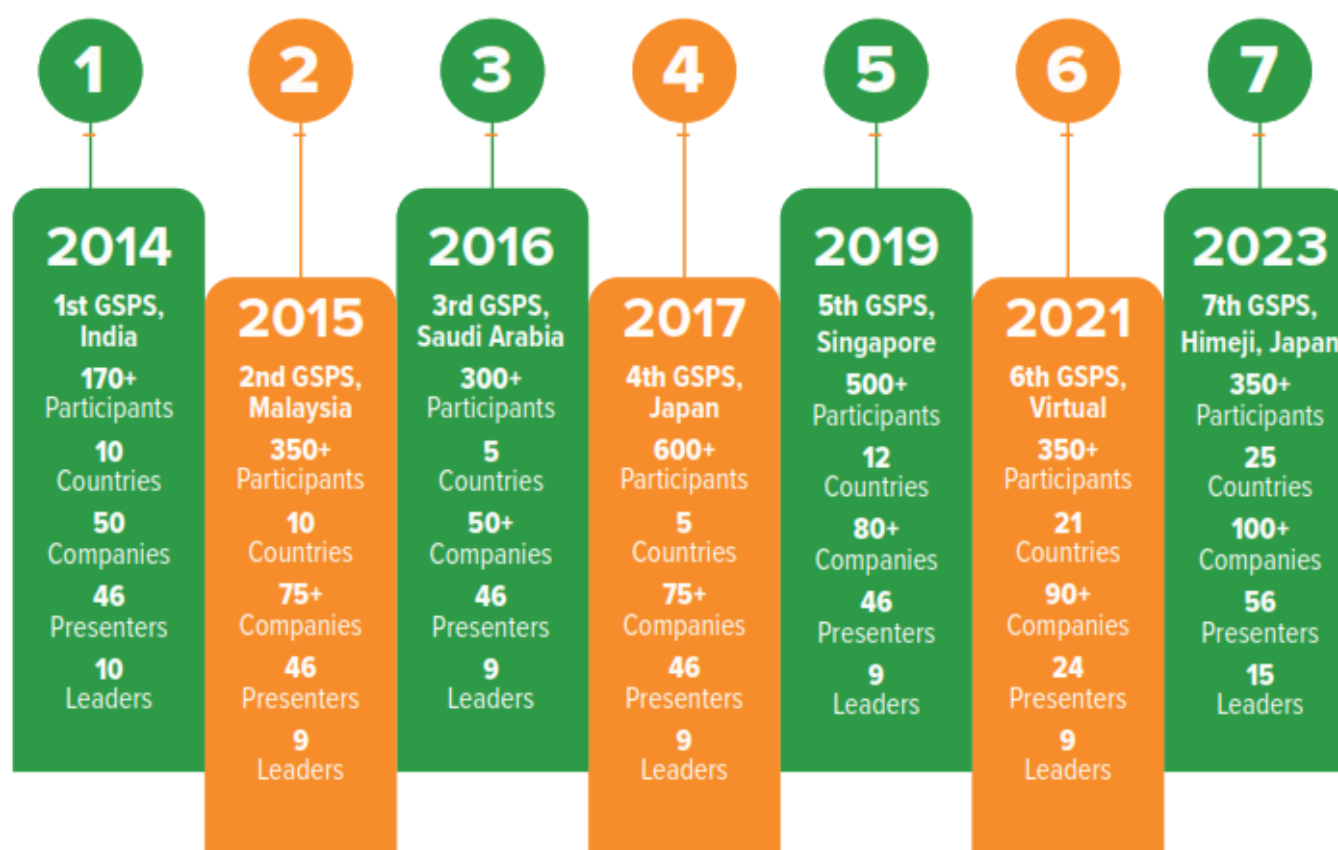
The 8th GSPS is a premier global event organized by American Institute of Chemical Engineers' (AIChE's), Center for Chemical Process Safety (CCPS) that brings together industry leaders, regulators, process safety practitioners, and academia from around the world to address critical advancements and challenges in chemical process safety.

The objective of the conference is to share the best practices & lessons learned from past incidents that happened in the chemical & energy sector. Sharing such knowledge & experience will be useful in preventing and mitigating catastrophic incidents across industries. It promises to be an engaging platform with a comprehensive program, featuring keynote speakers, Leadership panel discussion, technical panel discussion, 50 plus innovative technical presentations spread across 15 sessions along with poster sessions.

Program Highlight



Brief History of the summit



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Monday November 25: Pre-conference workshop for Small and Medium Scale Industries: [Venue JWC Meeting Room-3 & 4, Level 2]

Day 1- 26 November (Tue)

Registration from 7.00 to 8.30 am [Venue: Jasmine 2]

8.30-8.35	Welcome & Introduction to Dignitaries on Dias																		
8.35-8.50	Conference Inaugural- Lamp Lighting Ceremony																		
8.50-9.05	Opening Remarks <ul style="list-style-type: none"> - Shakeel Kadri – Executive Director & CEO- Center for Chemical Process Safety (CCPS), USA - Yatendra Lodha- Group Head- Safety & Operational Risk, Reliance Industries Limited - D. Sothi Selvam- Director General, Indian Chemical Council 																		
9.05-9.25	Welcome Address - Shakeel Kadri, Executive Director & CEO- Center for Chemical Process Safety (CCPS), USA																		
9.25-9.45	Address by Chief Guest - Shri. V. Satish Kumar, IOCL Chairman (Invited)																		
9.45-10.05	Keynote Address – Sanjiv Singh, Head-Group Manufacturing Services, Reliance Industries Limited																		
10.05-10.25	Keynote Address – Dr. Fawaz K. Bitar, Senior Vice President of Health, Safety, Environment & Carbon at BP																		
10.25-10.45	Keynote Address – Stephen Klejs, Executive Director, US Chemical Safety and Hazard Investigation Board																		
10.45 - 11.15	Poster Session, Coffee & Networking- at Exhibition Space Jasmine 2																		
11.15 - 12.45	Leadership Panel Discussion Topic: The role of leadership to address challenges in creating effective Process Safety Moderator: Mr. Yatendra Lodha- Group Head- Safety & Operational Risk, Reliance Industries Limited Panel Members: <ul style="list-style-type: none"> • Mukesh Kumar Surana, Ex. Chairman & MD of Hindustan Petroleum Corporation Limited • Dr Fawaz K Bitar, Senior Vice President-Health, Safety, Environment & Carbon, BP • Shakeel Kadri, Executive Director & CEO, CCPS • Stephen Klejs, Executive Director, US Chemical Safety and Hazard Investigation Board • Sachin Punekar; Reliance Industries Limited • Mukesh Mohan, Executive Director (H, S&E), Indian Oil Corporation Limited 																		
12.45 - 1.45	Lunch break / Poster Session- at Exhibition Space Jasmine 2																		
1.45 – 4.45	Leaders' Forum on Process Safety- Theme: Process Safety at Senior Leadership Level – “How I drive Process Safety in my organization” [Venue: Special Conference Room] Moderator: Shakeel Kadri – Executive Director & CEO, CCPS, Participating Leaders: <table> <tr> <td>1. Stephen Klejst, CSB, USA</td><td>10. Sanjiv Raina (BPCL)</td></tr> <tr> <td>2. Yatendra Lodha (RIL), India</td><td>11. S. N. Soman, (HPCL)</td></tr> <tr> <td>3. Arun Mittal (OISD), India</td><td>12. Prabhanjan Dixit (Nayara Energy) India</td></tr> <tr> <td>4. Kartik Bharat Ram (ICC & SRF), India</td><td>13. Saumya Chakrabarti (Finolex), India</td></tr> <tr> <td>5. David Moore, (AcuTech) USA</td><td>14. Mukul Agrawal, (Deepak Fertilizers) India</td></tr> <tr> <td>6. Ramabhadran Srinivasan (dss+), Singapore</td><td>15. Prof. Sandip Roy (IIT-Bombay)</td></tr> <tr> <td>7. Ahmed Shaheen Al-Khaldi (Sipchem), KSA</td><td>16. Suresh Ramachandran (Arkema) India</td></tr> <tr> <td>8. Jatin Shah (Baker Risk), USA</td><td>17. Shell Global Solutions, (Invited)</td></tr> <tr> <td>9. Pratap Nair (Ingenero), India</td><td>18. Nilay Vyas, UPL, India (Invited)</td></tr> </table>	1. Stephen Klejst, CSB, USA	10. Sanjiv Raina (BPCL)	2. Yatendra Lodha (RIL), India	11. S. N. Soman, (HPCL)	3. Arun Mittal (OISD), India	12. Prabhanjan Dixit (Nayara Energy) India	4. Kartik Bharat Ram (ICC & SRF), India	13. Saumya Chakrabarti (Finolex), India	5. David Moore, (AcuTech) USA	14. Mukul Agrawal, (Deepak Fertilizers) India	6. Ramabhadran Srinivasan (dss+), Singapore	15. Prof. Sandip Roy (IIT-Bombay)	7. Ahmed Shaheen Al-Khaldi (Sipchem), KSA	16. Suresh Ramachandran (Arkema) India	8. Jatin Shah (Baker Risk), USA	17. Shell Global Solutions, (Invited)	9. Pratap Nair (Ingenero), India	18. Nilay Vyas, UPL, India (Invited)
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Parallel Technical Sessions Day 1:

(20 minutes presentation by each speaker followed by 5 minutes of Q&A session for each presentation)

1.45-3.25	Session 1 – Barrier Health Monitoring/Dynamic Risk Session Chair: Palaniappan Chidambaram, dss+ Session Co-Chair: Dipal Phukan, Nayara Energy	Session 2 – Emerging Technologies and Future of Process Safety Session Chair: Balajee Raman, Ecolab Session Co-Chair: Jay Shah, Reliance Industries Ltd (TBC)	Session 3 – Essential Practices for Managing Chemical Reactivity hazards Session Chair: Pratik Sharma, Aarti Chemicals Session Co-Chair: Robert Weber, PSRG
1.45-2.10	Enhancing Process Safety through Scenario Management Susan Losavio, ExxonMobil, Malaysia	Current developments in AI, ML, AR, VR & Industry 4.0 Prof. Rajagopalan, IIT-Madras,	Explosion Prevention and Protection Document (EPPD) , Satyam Somani & Dhaval Kapadia, Bayer India Vapi Pvt. Ltd.
2.10-2.35	Leveraging a Sense of Vulnerability Using Barrier Health Management for Enhanced Risk Reduction: Ajit Kumar Jena, TCI Sanmar Chemicals SAE	AR/ VR Technologies in Safety Applications , Abhishek Gupta, Reliance Jio	Learnings from a Reactor Explosion: Catalyst Reactivity Learnings for Energy Transition Processes , Rajiv Srinivasan, Shell India Markets Private Limited
2.35-3.00	Don't Forget Me - I Am a SIF, Your Saviour in the Plant! Shivendra Kapoor, SIL Consulting Services	Enhancing Process Safety and Sustainability in Manufacturing through Generative AI: Mayuresh Mokul, Ingenero Inc	Understanding "Time to Maximum Rate (TMR)" in Chemical Reactions – Application, Use and Misuse: Rahul Raman, Kaypear
3.00-3.25	Real Time Visualization of Risk Movement through Barrier Health Monitoring , Ms. Alisha Kumari, Tata Steel Limited	Improvement of Process Cycle Efficiency Whilst Upholding Compliance for Process Safety through Deployment of Digital Pre-Activity Safety Review (PASR): Muhammad Amir Hakim Abd Wahab, PETRONAS Gas Berhad	Applying Layer of Protection Analysis (LOPA) for Business Continuity Scenarios – Learnings from Large Capital Expense Project: Mahesh Murthy, Clough
3.25-3.45	Tea, Coffee & Networking Break / Poster Session- at Exhibition Space Jasmine 2		

Conference Registration Links

Indian Delegates: [Registration Link](#)

Out of India Delegates: [Registration Link](#)

For any further support contact:

Umesh Dhake- umesd@aiche.org or Vishal Chavan- vishc@aiche.org



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Parallel Technical Sessions (continues): Day 1

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3.45-6.05	Session 4 – Human Factors with Focus on ‘Best Practices and Lessons Learned Session Chair: Alok Khandelwal, Shell Session Co-Chair: AcuTech Consulting	Session 5 – Intentional Competency Development in Process Safety Session Chair: Mahesh Murthy Session Co-Chair: TBC	Session 6 – Managing Asset Integrity Session Chair: Sivaneswaran Kamala Kannan, ADNOC Session Co-Chair: Kaushik Jayaraman, ExxonMobil
3.45-4.10	The impact of decision-making on the occurrence of process safety incidents: Filip Coumans, Krauss Bell Group	Ecolab Process Safety Foundations Hypercare: Nathan Thompson, Mojgan Vafaei Ecolab	Learning from IOGP Global Upstream Process Safety Event Data, Dave Fargie from BP UK, IOGP
4.10-4.35	Quantified Human Factors Risk Assessment: Ian Travers, British Safety Council	Responsible Care in India: Enhancing Process Safety in the Chemical Industry: Dr. Pranav Tripathi, Head – Responsible Care & Sustainability Issues, Indian Chemical Council	An overview of “100 Largest Losses globally, recent trends and learnings” Marsh - Arun Negi & Nick Hollan
4.35-5.00	Understanding Human Reliability Analysis (HRA): Concepts, Applications, and Case Study in High-Risk Industries: Ashley Craig, PSRG Inc, USA	How to Leverage CFD to Improve Hazard Assessment and Enhance Safety? Sharad Gupta, IRESC	Roles of SCE and Ops Performance Standards in preventing MAH: Girada, Raminaidu & Gottimukkala, Chaitanya, Shell India
5.00-5.15	15-minute Break		
5.15-5.40	Proactive Management of Human Factors in Accident Prevention: Case Study and an Innovative Approach at HMEL: Anshulkumar Tiwari, HPCL-Mittal Energy Ltd	Competency Development in Process Safety: Sudhir Narkhede LyondellBasell (LYB)	Managing Asset Integrity with Effective Management of Change (MoC) Program: Ashit Dalal, eDelta Consulting, Inc
5.40-6.05	Understanding Human Factors - Key to Effective Safety Barrier Management in Chemical Industries: Rekha Sharma, GRIP Global Pte. Ltd.	Building Competence for Effective Process Safety Management: Strategies and Approaches: Kevin Chothani, Sekura India Management Limited (Edelweiss)	How Many Detectors Are Optimal for a Hazardous Facility? Akshat Khirwal, IRESC
End of Day 1			

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Day 2- 27 November (Wed) [Venue: Jasmine 2]

8.30-8.40	Recap of Day-1 by Co-Chairs of Technical Committee of 8th GSPS <ul style="list-style-type: none"> - Dr. Anil Gokhale, Chief Operating Officer (COO), Center for Chemical Process Safety (CCPS) - Prashanthi Bhupathi- Reliance Industries Ltd.
8.40-9.00	Summary of Leadership Forum from Day-1 (Call for Action)
9.00-9.20	Keynote Address – Sanjay Roy, Reliance Industries Limited (Invited)
9.20-9.35	Keynote Address – Pawan Mundhra, Partner at McKinsey & Company, Global Energy & Metals
9.35-9.50	Keynote Address – Ashish Modi, Country President, Honeywell
9.50-10.05	Keynote Address – Amar Kumar, Head of Refinery, Nayara Energy
10.05-10.20	Keynote Address – Invited
10.20-10.35	Keynote Address – Invited
10.35-10.45	Hold-Time
10.45-11.15	Tea, Coffee & Networking Break / Poster Session - at Exhibition Space Jasmine 2
11.15 - 12.45	Technical Panel Discussion Topic: Reflection on repeat incidents and way forward Moderator: Mr. Jatin Shah- Senior Principal Consultant; Baker Risk, USA Invited Panel Members: <ul style="list-style-type: none"> • Arun Mittal, Executive Director, OISD (Oil Industry Safety Directorate) • Filip Coumans, Managing Director, EMEA, Krause Bell Group • Arun Negi, Chemical, Risk Engineering & North Energy Leader, Marsh India • Shariq Abbasi, Manager Learning Safety, Shell India Markets Pvt. Ltd • PS Murthy, Executive Director – HSE Corporate, Hindustan Petroleum Corporation Limited • Ajaykumar Gupta, Executive Director & Chief Manufacturing Officer (CMO) (Invited)
12.45 - 1.45	Lunch

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Parallel Technical Sessions: Day 2

(20 minutes presentation by each speaker followed by 5 minutes of Q&A session for each presentation)

1.45-3.25	Session 7 – Operational Excellence through Leadership, Culture and Innovations Session Chair: Robert Weber, PSRG Session Co-Chair: TBC	Session 8 – Process Safety and Alternate Energy Sources Session Chair: Pavan K Jain, RIL Session Co-Chair: Finolex Industries Ltd	Session 9 – Hydrogen Safety Session Chair: Nick Barilo, Executive Director, Center for Hydrogen Safety Session Co-Chair: David Moore, AcuTech Consulting Group
1.45-2.10	Determining and Managing Safe Operating Limits to Critical Operating Parameters at Major Hazard Installations: Karthikganesh Senthilvelan, Asahi Kasei Synthetic Rubber Singapore Pte. Ltd.	Process safety in Solar, Battery and Hydrogen manufacturing, Peter Fath, RCT Solutions GmbH	CHS Overview, Nick Barilo, Executive Director, Center for Hydrogen Safety
2.10-2.35	Catastrophic Warning Signs and Symptoms in Engineering Projects – Be Aware & Beware!': Palaniappan Chidambaram, dss+, Singapore	Inherently Safer Designs in New Energy Technologies: Mithu Saha, Worley	Process safety for H2 industry: David Moore, AcuTech Consulting Group
2.35-3.00	A Model for Winning Hearts and Minds to Enhance Process Safety: (Speaker Name -TBC), AcuTech Consulting Group	Safety in Solar energy factories & installation: Dr. Milind Kulkarni, Renaissance Solar and Electronic Materials (RSOLEC)	H2 safety in Filling applications, Omprakash Mall, Reliance Industries Limited
3.00-3.25	Novel Automated Visual Management Board to Monitor Clusters Performance in Process Safety Fundamentals: Sakeena AL Lawati, Petroleum Development Oman LLC	Incorporating Process Safety into Energy Transition, Lessons Learned from US' Journey: Jatin Shah, Baker Risk	Risk Assessment of Hydrogen for Use in Hazardous Process: Abhineet Raj, Tata Steel Limited
3.25-3.45	Tea, Coffee & Networking Break / Poster Session- - at Exhibition Space Jasmine 2		

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3.45-5.25	Session 10 – Process Safety Incidents Case Studies-1 (Emphasis on Recent Incidents/High potential Near Misses) Session Chair: Shailesh Nigam, RIL Session Co-Chair: Dr. Mahesh Murthy	Session 11 – Refining, Chemicals and More (1) Session Chair: Dhaval Kapadia, Bayer India Session Co-Chair: Finolex	Session 12 – Refining, Chemicals and More (2) Session Chair: Abdulaziz Al Hamdi, OQ Session Co-Chair: Sayantan Bhowmik, RIL
3.45-4.10	Process Safety Lesson- Case Studies from the Oil Industry- Ram Goyal, ioMosaic Corporation	Walk the Line - An Effective Program to Avoid LOPC Due to Line-up Errors: Mohit Gharat, Lubrizol, Head PSM.	Marine Terminal Risk Assessment in Japanese Refineries Based on International Maritime Safety Guidelines: Kiyoshi Ujimine, ENEOS Corporation
4.10-4.35	Process Safety Incident Happened in Petroleum Refinery: Sanjay Raj Kishor Singh, Oil Industry Safety Directorate	Marketing of HSE Management System: Baldeo Pandey, Reliance Industries Ltd.	Highly skilled, competent and versatile workforce for Disciplined Safety Culture. Avinash Shinde, Galaxy Surfactants
4.35-5.00	Safety Incident of Thermal Decomposition of Phosphorus Acid in Plant and Its Mitigation to Control the Decomposition: Tejashwini Powar, Godrej ASTEC	Vulnerability Index (VI) -- a New Innovative Tool for Job Risk Management: Shri Manoj Singh - Chief Manager - Safety (Operations and Process), HPCL-MR	You Have “Safeguard” in Place, Sounds Promising; Have You Tested It? Act before It Is Too Late!! Hari Gopal Attal
5.00-5.15	Award Ceremony Best Presentation Award Ceremony Category-1: Best Technical Presentation [Three prizes], Selection Criteria: Speakers who will share best practices implemented by their organizations. Category-2: Young Professional best technical Presentation [Three prizes] Category-3: Best Poster Presentations [Three prizes]		
5.15-5.30	Closing comments [CCPS & RIL]		

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Poster Presentations

Poster Author	Affiliation	Poster Topic
Joy Shah	Innov8 ProTech Solutions	Developing Process Safety Competency Management System in High Hazards Industries
Sumesh Nair	Xantray Consulting	Enhancing Cognitive Aspects of Risk Management Leading to Safer Hot Work Management
Wafa Al Shizawi	Petroleum Development Oman	Enhancing Petroleum Process Safety through Organizational Restructuring and Continuous Improvement
Srikanth Sindhanur	Hetero Labs Limited	Cultural Transformation Journey – an Integrated Process Safety Approach
Arpan Panchal	Kaypear Engineering LLP	Paper: Guidelines for Storage and Handling of Reactive Chemicals
Sukanto Das	Johnson Matthey	Intentional Competency Development in Process
Devang Asher	hubergroup india p ltd	Human Factors in Process Safety: Best Practices and Lessons Learned
Ajay Kakkanattu	PSRG Inc	Achieving Excellence in Process Safety: A Guide to Successful PSM Implementation for Global Companies
Debabrata Panda	IRES	Design Challenges in Meeting SIF Barrier Reliability Target in Complex Hazardous Scenarios

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