



Attend the 62nd Annual Safety in Ammonia Plants and Related Facilities Symposium

September 10–14, 2017 • New York Marriott at the Brooklyn Bridge • Brooklyn, NY

Each year, the Ammonia Symposium allows over 400 professionals concerned with safety and reliability issues in the nitrogen and gas reforming industries to share recent developments.

PRELIMINARY PROGRAM			
TIME	PAPER	TITLE	AUTHOR(S) - COMPANY
SUNDAY, SEPTEMBER 10			
12:00 PM-5:00 PM		REGISTRATION	
MONDAY, SEPTEMBER 11			
8:00 AM		Welcome from Committee Chair	Harrie Duisters – <i>OCI</i>
8:10 AM	Keynote Address	Past and Future of Abnormal Situation Management: Managing Human Reliability	Phil Jarrell – <i>ASM Consortium</i>
9:00 AM	Paper 1A	Commissioning of First World-Scale Purifier Plant in North America	Venkat Pattabathula, George Colman, M. Hofman, C. Morgan, A. Malhotra – <i>Dyno Nobel; KBR</i>
9:30 AM	COFFEE BREAK		
10:00 AM	Paper 1B	Operational Excellence Through Learning from Past Process Safety Incidents	Asghar Naveed, Kamran Arif – <i>Fatima Group - Technology Division</i>
10:30 AM	Paper 4B	Syngas Composition Analysis Using Raman Spectroscopy	Travis Miller – <i>Coffeyville Resources Nitrogen Fertilizers</i>
11:00 AM	Paper 1D	Safe Start-Up of the ENPC Complex Under Challenging Circumstances	Tarek El Hawary – <i>thyssenkrupp Industrial Solutions</i>
11:30 AM	LUNCH BREAK		
1:30 PM	Paper 2A	BFW Preheater Exchanger Leak and Smooth Recovery of LTS Catalyst After Wetting	Inderjeet Singh, Sanjeev Mehta – <i>Chambal Fertilisers and Chemicals Ltd; Süd-Chemie India Pvt. Ltd</i>
2:00 PM	Paper 2B	Damage of Refractory at the Support Area in Combustion Section of Secondary Reformer and Re-design	Mohamed Mustafa Shams, Ahmed Mahmoud Gaber – <i>MOPCO</i>
2:30 PM	Paper 2C	Refractory Concrete Behaviour in Pressure Vessels Under Load Induced Thermal Strain	G. Palmer, J. Millar, J. Cobos, D. Parkin – <i>Palmer Technologies Pty Ltd; Dyno IPL</i>
3:00 PM	COFFEE BREAK		
3:30 PM	Paper 2D	An Exclusive Experience of Synthesis Gas Compressor's Low Efficiency Problem Diagnostics	Ather Iqbal – <i>Fauji Fertilizer Company Ltd</i>
4:00 PM	Paper 2E	Process Air Compressor Damage	Iftikhar Turi, Ahmed Rahimi – <i>QAFCO</i>
4:30 PM	Paper 2F	Rotating Equipment Integrity and Protection	Mark Jackson, Patrick Mahan – <i>FM Global</i>
TUESDAY, SEPTEMBER 12			
8:00 AM	Paper 3A	Safety Performance of Indian Fertilizer Plants	Sachchida Nand, Manish Goswami – <i>Fertiliser Association of India</i>
8:30 AM	Paper 3B	Safely Starting Up El Dorado Chemical Brownfield Ammonia Converter after Relocation	Clara Vido, Tim Rembold – <i>El Dorado Chemical; Clariant</i>
9:00 AM	Paper 3C	Operating Experience with Polyamine Treatment (POAM) in High Pressure Steam System of an Ammonia Plant	Filip Raeymaekers – <i>OCI Nitrogen</i>

PRELIMINARY PROGRAM (Continued)

TUESDAY, SEPTEMBER 12

9:30 AM	COFFEE BREAK		
10:00 AM	Paper 3D	Commissioning the World's Largest Ammonia Plant Without Incident	D. Blennerhassett, A. Kleyensteiber – <i>Johnson Matthey; thyssenkrupp Industrial Solutions</i>
10:30 AM	Paper 3E	Repair of a Pool Condenser Tubesheet Severely Damaged by Corrosion	Alex Scheerder, Robert Rozek – <i>Stamicarbon bv</i>
11:00 AM	Paper 3F	Reducing Consequences of Failure Factors: Constructing a Double Wall on a Single Wall Ammonia Tank in Operation	Paola Bernal, Jesus Arrieta – <i>Yara - Cartagena</i>
11:30 AM	FREE TIME		

WEDNESDAY, SEPTEMBER 13

8:00 AM	Paper 4A	New Developments in the Autothermal Reforming (ATR) Based Ammonia Process – a New and More Operator-friendly Process Sees the Light	Per Juul Dahl, Christian Speth, Pat A. Han, Svend Erik Nielsen – <i>Haldor Topsøe A/S</i>
8:30 AM	Paper 1C	Achieving Equipment Reliability through Understanding Precursor Failure	Daniel J. Benac, Jedediah Redman, Dorothy Shaffer – <i>BakerRisk; Koch Fertilizer LLC</i>
9:00 AM	Paper 4C	De- and Recommissioning Guidelines for Ammonia Plants	H. J. Essl, L. Werner – <i>Borealis</i>
9:30 AM	COFFEE BREAK		
10:00 AM	Paper 4D	Failure of a Riser in a Primary Reformer	James Widrig, Garrett Ramjattan – <i>Quest Integrity; Industrial Plant Service Ltd</i>
10:30 AM	Paper 4E	Improving Reformer Tube Reliability Through Effective Insulation Management	M. Fadly Karim, Niels Kristian Nielsen – <i>Petronas; Haldor Topsøe</i>
11:00 AM	Paper 4F	Converter Cold Shot Valve Gland Failure	Tom Oates – <i>CF Fertilisers UK Ltd</i>
11:30 AM	LUNCH BREAK		
1:30 PM	Paper 5A	Successful Implementation of a Feed Gas Saturation System to a 1970s Foster Wheeler Steam Methane Reformer	Daniel Znidersic, Trevno Mowassie – <i>BD Energy Systems; Yara Trinidad</i>
2:00 PM	Paper 5B	Improving Reliability and Boosting Energy Efficiency of an Ammonia Plant by Revamping Natural Gas Pipe Line and Associated Compressor Train	Nenad Zecevic – <i>Petrokemija Plc. Kutina</i>
2:30 PM	Paper 5C	First Industrial Experience-Safe Installation and Start-up of KM111	K. Prabhakar Rao, J. Jönsson – <i>Mangalore Chemicals & Fertilizers Ltd; Haldor Topsøe A/S</i>
3:00 PM	COFFEE BREAK		
3:30 PM	Paper 5D	Catalysing a Path to a Safer Place	M. J. Cousins, V. Duponchel – <i>Johnson Matthey; Yara</i>
4:00 PM	Paper 5E	Ammonia and Hydrogen Vapor Cloud Explosion Testing: A Tale of Two Gases	J. K. Thomas, D. R. Malik – <i>BakerRisk</i>

THURSDAY, SEPTEMBER 14

8:00 AM-12:00 PM	Roundtable Session Program This year's Roundtable Session seeks to encourage open exchange and discussion through brief presentations from panelists followed by a question-and-answer session on the following topics: Topic 1: High Temperature Hydrogen Attack (HTHA) Topic 2: SIS Trip of Process Air on Loss of Process Gas Topic 3: Chlorine Gas Risks and Alternatives Topic 4: Industry Incidents		
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This information is subject to change and is accurate as of April 1, 2017.

REGISTRATION IS OPEN

For complete conference information, including sponsorship opportunities, please visit www.aiche.org/ammonia or contact Ilia F. Killeen at 646-495-1316 or ilia@ai che.org.