



Frankfurt
Marriott Hotel
Frankfurt,
Germany

AUGUST
25 – 29,
2013



SAFETY IN AMMONIA PLANTS &
RELATED FACILITIES SYMPOSIUM

**SAVE \$95
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by July 26th

58th Annual Safety in Ammonia Plants and Related Facilities Symposium

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

NEW in 2013:

*Celebrating 100 Years of Haber-Bosch
Ammonia Production Technology*

Join us for the BASF Ludwigshafen/Heidelberg
Tour on Tuesday, August 27.

PRELIMINARY PROGRAM

TIME	PAPER	TITLE	AUTHOR(S) – COMPANY
MONDAY, AUGUST 26			
08:00		Welcome from Committee Chair	Anil Kumar Singh – <i>IFFCO</i>
08:10		Keynote Address	Wayne T. Smith – <i>BASF</i>
08:45	1A	One Hundred Years of Ammonia Production – A Recap of Significant Contributions to Feeding the World	Gerald Williams – <i>Plant Surveys International</i> Venkat Pattabathula – <i>Incitec Pivot</i>
09:15		Dr. Haldor Topsøe Honor	Svend Erik Nielsen – <i>Haldor Topsøe A/S</i>
09:30	COFFEE BREAK		
10:00	1B	Assessment of the Safety Risks in Running the Single Train Ammonia Unit with Partially Defeated Shutdown System	Nenad Zečević, Zlatko Babič, Renato Kamenski – <i>Petrokemija Plc.</i>
10:30	1C	Methanol Emission from Ammonia Plants and Its Reduction	Klaus Noelker – <i>ThyssenKrupp Uhde</i> John Pach – <i>Johnson Matthey</i>
11:00	1D	Conventional Ammonia Plant Revamp with Purifier™	Rajesh K. Aggarwal – <i>KRIBHCO</i> Meghji Shah – <i>KBR</i>
11:30	LUNCH BREAK		
13:30	2A	Safe Life Time Extension of High Pressure Urea Reactor by Re-Lining	Joost Roes, Jos Blättler – <i>Stamicarbon B.V.</i>
14:00	2B	Six Sigma Methodology for Primary Reformer Reliability	Gustavo Coll, Martín Dileria, Rodolfo Dionisi, Adalberto González, Mario Roqueta, Gastón Schulz – <i>PROFERTIL SA</i> Emilio Monteoliva – <i>John Crane Argentina</i>
14:30	2C	High Pressure Carbamate Condenser Leak Detection and Control	Khaled Al-Khuraimi – <i>SAFCO</i>
15:00	COFFEE BREAK		

PRELIMINARY PROGRAM (Continued)			
TIME	PAPER	TITLE	AUTHOR(S) – COMPANY
15:30	2D	Fluid Sealed Box-up – An Online Technique to Arrest Corrosive Service Leaks	Muhammad Idrees, Meer Salman Muddasar – <i>Engro Fertilizers Ltd. Pakistan</i>
16:00	2E	Planning for Hundred-Fold Increase in Global Ammonia Production	William Ahlgren – <i>California Polytechnic State University, SLO</i>
16:30	2F	Fast Detection and Localization of Small Ammonia Leaks Using Distributed Fiber Optic Sensors	Rob de Bont – <i>YARA France</i> Daniele Inaudi – <i>SMARTEC SA</i>
TUESDAY, AUGUST 27			
FREE DAY — Heidelberg/BASF Tour			
WEDNESDAY, AUGUST 28			
08:00	3A	100 Years of Ammonia Synthesis Technology	Ib Dybkjær – <i>Haldor Topsøe A/S</i>
08:30	3B	Plant Reliability Improvement Through the Replacement of Ammonia Converter Baskets	Kristina Balch, Robert Handford – <i>Dyno Nobel</i> Venkat Pattabathula – <i>Incitec Pivot</i> Elio Strepparola – <i>Ammonia Casale</i>
09:00	3C	Successful Installation and Startup of an S-300 Ammonia Converter Basket	W. Clark Liddon, Brian Copeland – <i>CF Industries</i> Bent Dahlstrom – <i>Haldor Topsoe, Inc.</i>
09:30	COFFEE BREAK		
10:00	3D	Strange Operation Experience in Synloop Boiler Ends in Extensive Repair of Ammonia Converter Cartridge	Reinhard Michel – <i>ThyssenKrupp Uhde</i> Fahad Al Sawat – <i>Saudi Arabian Fertilizer Company (SAFCO)</i>
10:30	3E	Safe Reduction of LK-853 FENCE at High Pressure	Matt Wishman – <i>Agrium, Inc.</i> Tim Reiter – <i>Haldor Topsoe Canada Ltd.</i>
11:00	3F	Rehabilitation of a 1440 MTPD Ammonia Plant After 10 Years Out of Service	Francisco Morales Olán – <i>Petróleos Mexicanos (PEMEX)</i>
11:30	LUNCH BREAK		
13:30	4A	The Ammonia Process – A Challenge for Materials, Fabrication and Design of the Components	Michael Bachtler, Jürgen Korkhaus – <i>BASF SE</i>
14:00	4B	Hydrostatic Testing – ‘Means to an End or Ends to a Mean’?	Rik Warmerdam, Danko Kobziar – <i>EST Group</i>
14:30	4C	Reformer Component Management After an Overheating Incident that Resulted in Tube Failures	David Firth, Charles Thomas – <i>Quest Integrity Group</i> Manoj Thakur, Ron Caporn – <i>CSBP Ltd.</i>
15:00	COFFEE BREAK		
15:30	4D	Elevated-Temperature Failure Mechanisms in Ammonia Plant Equipment – Reducing the Risk of Failure	Michael Hester – <i>Cherokee Nitrogen Co.</i> Daniel Benac – <i>Baker Engineering and Risk Consultants, Inc.</i>
16:00	4E	Experiences During Manufacturing of Reformer Outlet Pigtails	Pedro Imizcoz – <i>Schmidt + Clemens Spain</i> Peter Tait – <i>Methanex Corporation</i> Milo Kral – <i>University of Canterbury</i>
16:30	4F	Achieving Ultra-Low NO _x Emissions in Downfired Reformer Applications	Rex Isaacs, Ryan Roberts – <i>Zeeco, Inc.</i> Nigel Palfreeman – <i>Zeeco Europe Ltd.</i>
THURSDAY, AUGUST 29			
08:00	5A	Ammonia Production — A Century of Safety, Health & Environmental Improvements	John Pach, John Brightling – <i>Johnson Matthey</i>
08:30	5B	Improvements in Reformer Monitoring – In-Tube Temperature Measurement	Oliver Smith – <i>Air Products and Chemicals, Inc.</i> Bill Cotton – <i>Johnson Matthey</i>
09:00	5C	Operational and Safety Improvements in Foster Wheeler Terrace Wall™ Reformers	Rainer Basse – <i>Foster Wheeler</i>
09:30	COFFEE BREAK		
10:00	5D	Implementation of Process Safety Key Performance Indicators in a Large Fertilizer Complex	Shailender Bhandari, Cristiano Azevedo – <i>Qatar Fertiliser Company</i>
10:30	5E	Catastrophic Failure of Ammonia Synthesis Loop Boiler Feedwater Heater	Eugene Britton – <i>Mosaic Fertilizer, LLC</i>
11:00	5F	Catastrophic Fire in Ammonia Plant Compressor Room	Patrick Le Calvé – <i>GPN</i>

This information is accurate as of July 10, 2013 and is subject to change. For complete conference information, please visit www.aiche.org/ammonia2013.

For more information or to register, please contact Ilia F. Killeen at 646-495-1316 or iliak@aiiche.org.