



Attend the 61st Annual Safety in Ammonia Plants and Related Facilities Symposium

The Grand Hyatt Denver • Denver, Colorado, USA • September 18-22, 2016

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 18			
12:00 PM - 5:00 PM		REGISTRATION	
MONDAY, SEPTEMBER 19			
8:00 AM		Welcome from Committee Chair	Robert Collins – <i>KBR</i>
8:10 AM		Keynote Address	Paul Sovinski – <i>Stars International, Inc.</i>
9:00 AM	1a	Safe Operations of Chemical Plants with “Stop Work Authority”	Kawal Maraj, Raghava Nayak – <i>Yara</i> Venkat Pattabathula – <i>Incitec Pivot</i>
9:30 AM	COFFEE BREAK		
10:00 AM	1b	Field Experience from Ten Fiber Optic Ammonia and LNG Leak Detection Systems Installation	Daniele Inaudi, Roberto Walder – <i>SMARTEC SA, Switzerland</i>
10:30 AM	1c	Primary Reformer Hot Collector Welding Problems	John Hallett – <i>CF Fertilisers Ince Site</i>
11:00 AM	1d	Topsøe Furnace Manager Technology Benefits for Ammonia Producers	Scott W. Sexton – <i>Haldor Topsøe, Inc.</i>
11:30 AM	LUNCH BREAK		
1:30 PM	2a	Failure of Secondary Reformer Dome and Its Repair	David Keen, Mike Henry, John McGrath, Venkat Pattabathula, Nia Aliabadi – <i>Incitec Pivot</i> David Firth – <i>Quest Integrity</i>
2:00 PM	2b	Failures in Aging Ammonia Plants	Jack Stoffels - <i>Sitech Services</i>
2:30 PM	2c	Successful Project Execution and Commissioning of Largest Capacity KRES Ammonia Unit	Tim Kearns – <i>PCS Nitrogen</i> Kim Taniguchi – <i>KBR</i> Tim Rembold – <i>Clariant</i>
3:00 PM	COFFEE BREAK		
3:30 PM	2d	Failure of Level Bridle in Benfield Service	Rodney Babwah, Kamla Balgobin – <i>YARA Trinidad Ltd</i>
4:00 PM	2e	Failure of Methanator F/E Exchanger Tubes Due to Benfield Solution Carry Over	Anwar Mahmood Shahid – <i>Fauji Fertilizer Bin Qasim, Ltd</i>
4:30 PM	2f	Integrated Safety Concepts for Rotating Machinery	Hans-Juergen Essl, Leonhard Werner, Georg Zimmer – <i>Borealis</i>

Program continued on the back



PRELIMINARY PROGRAM (Continued)

TUESDAY, SEPTEMBER 20

8:00 AM	3a	Investigation on Failure of Ammonia Converter Feed Exchanger	Ahad Ahmad Satti – <i>Safco</i>
8:30 AM	3b	Ammonia Synthesis Converter Reaction Loss Followed by Fire Incident	Rizwan Majeed – <i>Fatima Fertilizers Company, Ltd</i>
9:00 AM	3c	Synthesis Loop BFW Exchanger Leak at Koch Fertilizer Plant: Identification, Recovery, and Re-reduction of Amomax-10 Ammonia Synthesis Catalyst	Kevin Turner – <i>Koch Fertilizer</i> Carrie Schaffer – <i>Clariant</i>
9:30 AM	COFFEE BREAK		
10:00 AM	3d	Severe Cracks on a New Duplex Syngas Loop Cooler	Richard Bosselaar – <i>Yara Sluiskil BV</i>
10:30 AM	3e	Ammonia Plants Compressor Room Fire: Prevention and Remedies	Alireza Orooji, S. Sajjad Hosseininia, Ehsan Askari – <i>Pardis Petrochemical Company, Iran</i>
11:00 AM	3f	Construction and Commissioning of Kaltim-5 2500 mtpd, the World's Largest Purifier Ammonia Plant	Luther Sirait, Jakub Tarigan – <i>P.T. Pupuk Kaltim</i> George Colman – <i>Kellogg Brown & Root</i>
11:30 AM	FREE TIME		

WEDNESDAY, SEPTEMBER 21

8:00 AM	4a	Toxic Gas Detection in Ammonia Plants for Shelter-In-Place	Murtaza Gandhi, Anthony Sarrack – <i>BakerRisk</i>
8:30 AM	4b	Predicting Process Risks for Improved Safety and Operational Excellence: A Breakthrough Technology and Case Studies	Aslam Khan B Mohater Khan, et al. – <i>Petronas Asean Bintulu Fertilizer</i> Ankur Pariyani, et al. – <i>Near-Miss Management LLC</i>
9:00 AM	4c	Validating Multiple LOPA Credits from Your DCS, or Not	Peter Herena – <i>BakerRisk</i>
9:30 AM	COFFEE BREAK		
10:00 AM	4d	Ammonia Distribution and Handling Improvements	Peter McGrath, Scott Sandhoff, Ajay Joshi – <i>Orica</i>
10:30 AM	4e	Ammonia Tank Inspection Findings and Follow-up Tank Modifications	Chiel Deij – <i>OCI Terminal Europort</i>
11:00 AM	4f	4,500 mtpd Single-train Ammonia Plant Based on Proven Technology	Klaus Noelker – <i>Thyssenkrupp Industrial Solutions</i>
11:30 AM	LUNCH BREAK		
1:30 PM	5a	Development and Commercial Success of Online SCR Cleaning	David Graham – <i>Air Products & Chemicals</i> Paolo Brunello – <i>Cetec Limited</i>
2:00 PM	5b	Catalyst Reactive Hazard Assessments in New and Existing Ammonia Flowsheets	Marc Gilbertson – <i>CVR Energy</i> Julian Morris – <i>Johnson Matthey</i>
2:30 PM	5c	Pre-commissioning and Commissioning of a Multi-Product Syngas Facility	Omer Hashmi, Jamil Amir Baduwi, Nrup Patel, Florian Darchinger – <i>Linde Engineering</i>
3:00 PM	COFFEE BREAK		
3:30 PM	5d	Failure and Inspection of Gas Line in Urea Plant	Vincent Duponchel, Johan Thoelen – <i>YARA</i>
4:00 PM	5e	Increased Risks for Leakages in Aging HP Urea Gas Lines Due to Unexpected Failure Mode	Alex Scheerder, Kirk Ofei – <i>Stamicarbon</i>

THURSDAY, SEPTEMBER 22

8:00 AM	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 – SIL Protection on NH ₃ Atmospheric Storage Tanks Topic 2 – Industry Incidents Topic 3 – Refractory Management		
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This information is subject to change and is accurate as of July 1, 2016.

Registration is Open

For complete conference information, including sponsorship opportunities,
please visit www.aiche.org/ammonia2016 or contact Ilia F. Killeen at 646-495-1316 or iliak@aiche.org.