



PROGRAM GUIDE

SUNDAY, SEPTEMBER 16

12:00 PM -
5:00 PM

REGISTRATION

MONDAY, SEPTEMBER 17

8:00 AM **Welcome from Committee Chair**
Neal E. Barkley – *Coffeyville Resources Nitrogen Fertilizers, LLC*

8:10 AM **Keynote Address**
The Alchemy of Air: How Two Men Turned a Tabletop Prototype into a City-sized Factory in Just Four Years
Thomas Hager – *University of Oregon School of Journalism and Communication*

9:00 AM **Paper 1A**
Successful Startup of the First World-Scale Ammonia Plant in Bolivia
Annie Jing, George Colman – *KBR*
Gwanghoon Lee, Mikyung Lee, Youngdae Kim – *SECL*

9:30 AM **COFFEE BREAK**

10:00 AM **Paper 1B**
The Lessons Learned from the First 100 Safety Hazards in Urea Plants
Jo Eijkenboom, Mark Brouwer – *UreaKnowHow.com*
Prem Baboo – *NFL India*
Majid Mohammadian – *OCI N.V.*

10:30 AM **Paper 1C**
Achieving Excellence in Process Safety Management (PSM)
Noman Irshad, Ahsan Sarfaraz – *Fatima Fertilizers Company*

11:00 AM **Paper 1D**
Iowa Fertilizer Company (IFCo) Ammonia Plant Uses First Application of the KBR Shift Effluent Scrubber for Reduced Methanol Emissions
Stephen Noe, Stephen Lang – *KBR*
Harrie Duisters – *OCI N.V.*

11:30 AM **LUNCH BREAK**

1:30 PM **Paper 2A**
Failure of the HP Boiler Feed Water Pump on an Ammonia Plant
Godfrey Harrylal, Shiva Maharaj – *Industrial Plant Services Ltd.*

2:00 PM	<p>Paper 2B Assessing Safety Culture in PT Pupuk Indonesia Group Nendra Gunawan, Wilden Johardi, Edi Wibawa – <i>PT Pupuk Indonesia</i></p>
2:30 PM	<p>Paper 2C Introduction to a Predictive Analytics System in Ammonia Plants A. Padovani, M. Loviat – <i>Yara Ferrara</i> E. Vanhaecke, M. Warzee – <i>Yara International</i></p>
3:00 PM	COFFEE BREAK
3:30 PM	<p>Paper 2D Reliability Improvement by Replacing the Vertical Process Gas Cooler with a Proven Design Francesco Baratto – <i>Casale SA</i> Joerg Weidenfeller – <i>ARVOS GmbH SCHMIDTSCHACK, Germany</i></p>
4:00 PM	<p>Paper 2E The Successful Debottlenecking of the OCI Beaumont Complex Brandan Rossi – <i>OCI Beaumont</i> Michelle Anderson – <i>Clariant</i></p>
4:30 PM	<p>Paper 2F New Alloy Materials for Reformer Outlet Systems P. Cardin, P. Imizcoz, I. Mutilva, D. Jakobi – <i>Schmidt+Clemens Group</i></p>
TUESDAY, SEPTEMBER 18	
8:00 AM	<p>Paper 3A Management of Hot Spots in Refractory Lined High Temperature Equipment K. Xu, A. Alexander, T. S. Varma, M. DeLoatch, J. Armstrong – <i>Praxair</i></p>
8:30 AM	<p>Paper 3B An Engineered Approach to Drying Refractory Concrete for the Ammonia and Petrochemical Industries G. Palmer, J. Millard, J. Cobos – <i>Palmer Technologies Pty Ltd.</i> Hayden Williams – <i>Ballance Agri-Nutrients</i></p>
9:00 AM	<p>Paper 3C Asset Integrity Management Programs for Ammonia Plant Facilities Carl Jaske – <i>HSI Group, Inc.</i> Steven J. Weichel, Michiel Brongers – <i>DNV GL</i></p>
9:30 AM	COFFEE BREAK
10:00 AM	<p>Paper 3D Fitness-for-Service Case Studies in HTHA Equipment Phillip E. Prueter, Michael Nugent, Trace P. Silfies, Paul J. Kowalski – <i>Equity Engineering</i></p>

10:30 AM	<p>Paper 3E Risk Reduction Projects Combating High Temperature Hydrogen Attack John Brightling, Stephen Shapcott – <i>Johnson Matthey plc</i></p>
11:00 AM	<p>Paper 3F Fleet Wide HTHA Risk Assessment Using Latest Methodologies Giuseppe Franceschini – <i>Yara</i> Michael Nugent, Trace P. Silfies, Joseph Bednarz – <i>Equity Engineering</i></p>
11:30 AM	FREE TIME
WEDNESDAY, SEPTEMBER 19	
8:00 AM	<p>Paper 4A A Rupture in the High Pressure Drain Line for HP Scrubber in Urea Plant Mohamed Mostafa Shams, Ashraf Mohamed Abdel-Hamid – <i>Misr Fertilizers Production Company (MOPCO)</i></p>
8:30 AM	<p>Paper 4B High Pressure Carbamate Condenser Liner Replacement Sultan Al-Harathi – <i>Saudi Arabian Fertilizer Company (SAFCO)</i> Gys van Zyl – <i>SABIC</i> Ravinder Singh – <i>Larsen & Toubro</i></p>
9:00 AM	<p>Paper 4C Secondary Urea Reactor Top Head and Diaphragm Failure Ryan Schlotfeld, Brandon Daniels – <i>Coffeyville Resources Nitrogen Fertilizers, LLC</i></p>
9:30 AM	COFFEE BREAK
10:00 AM	<p>Paper 4D From Process Hazard Analysis (PHA) to Implementing a Safety Instrumented System (SIS): Are You Really Ready? Timothy Herbig – <i>Bluefield Process Safety, LLC</i> Chuck Hartshorn – <i>Yokogawa Corporation of America</i></p>
10:30 AM	<p>Paper 4E Alarm Management – Prevent Your Operator From Drowning Laurent Barthalay – <i>Borealis</i></p>
11:00 AM	<p>Paper 4F Increase Safety by Using an Automated Protection System to Avoid Over-Firing of Primary Reformer Peter Bruun Jensen, Sudip De Sarkar – <i>Haldor Topsøe A/S</i> Gaston Schulz – <i>Profertil</i></p>
11:30 AM	LUNCH BREAK

WEDNESDAY, SEPTEMBER 19 (CONTINUED)

1:30 PM	Paper 5A Safety and Efficiency Improvement of Reformer – Mitigation of Post Combustion Problem Shahbaz Ali, Zubair Talha – <i>Fatima Fertilizer Company Ltd., Pakistan</i>
2:00 PM	Paper 5B Challenges in Commissioning and Operation of OASE Solvent Systems V. Pattabathula – <i>Incitec Pivot</i> T. Katz, J. Nichols – <i>BASF</i> G. Colman – <i>KBR</i>
2:30 PM	Paper 5C Poor Ammonia Converter Performance Caused by Choked Ammonia Separator (U0802) Neelakantan Rajasekaran – <i>Qatar Fertilizer Company</i>
3:00 PM	COFFEE BREAK
3:30 PM	Paper 5D Experience with Second Ammonia Converter (R-0502) Bypass at Ammonia Plant of Kaltim-1A Achmad Rois, Jaka Kirwanto – <i>PT Pupuk Kalimantan Timur, Indonesia</i>
4:00 PM	Paper 5E CFCL-2 Ammonia Plant Operating Experience of a KBR True Cold Wall Add-on Converter Mahesh Gandhi – <i>KBR (USA)</i> Inderjeet Singh – <i>CFCL, India</i>

ROUNDTABLE SESSION

Thursday, September 20

8:00 AM – 12:00 PM

This year's Roundtable Session will provide open exchange and discussion through brief presentations from panelists, followed by a question-and-answer session on topics of interest such as:

- ◆ Industry Incidents
- ◆ The Fertilizer Industry Safety Information Analysis and Sharing Program
- ◆ Safety Related Systems