

Monday 06 March

09:00 - 19:00

Registration open Registration Desk (Ground Floor)Registration

10:00 - 19:00

Exhibition open Exhibition area (Ground Floor)Exhibition

11:15 - 11:30

Technical Showcase: Investigations of dissimilar weld combinations: VDM® Alloy 601, VDM® Alloy 602 CA and VDM® Alloy 699 XA

Auditorium (Floor -1)Plenary

11:30 - 11:45

Technical Showcase: Improvement in Heat Exchange Equipment by usage of Laser Welded Finned Tube Coils

Auditorium (Floor -1)Plenary

Sara Castro González Sales Executive - Delfin Tubes, S.A.

11:45 - 12:00

Technical Showcase: DetaClad™ (Explosion Cladding) & DetaPipe™ - Enabling and innovative technologies for Titanium and Zirconium in the nitrogen fertilizer industry

Auditorium (Floor -1)Plenary

Mukesh Ahlavadi Global Director Chemicals Market - NobelClad

12:00 - 12:15

Technical Showcase: Wet Electrostatic Precipitator (WESP) dedusting for AN/CAN fertilizer plant

Auditorium (Floor -1)Plenary

Alessandro Gullà Sales Manager - A.W.S. Corporation SRL

12:15 - 12:30

Technical Showcase: Cooling fertilizer in a circular economy: Technology's role in meeting energy management and emission-reduction targets

Auditorium (Floor -1)Plenary

Igor Makarenko Global Director, Fertilizer - Solex Thermal Science

12:30 - 12:45

Technical Showcase: A comprehensive approach to measure ammonia emissions using remote sensing

Auditorium (Floor -1)Plenary

Gerd Behme Sales Manager - Grandperspective GmbH

14:00 - 14:30

Global nitrogen market outlook

Auditorium (Floor -1)Plenary

Alexander Derricott Senior Cost and Emissions Analyst - CRU

14:30 - 15:00

Natural gas market outlook

Auditorium (Floor -1)Plenary
Laura Page Senior LNG Analyst - Kpler

15:00 - 15:30

Optimising green hydrogen projects: Renewable energy, flexibility solutions and policy considerations
Auditorium (Floor -1)Plenary

Raimon Marin Senior Consultant, - AFRY Process Industries, AFRY
Solomos Georgiou Senior Consultant - AFRY Management Consulting, AFRY

15:30 - 16:00

Networking break
Exhibition area (Ground Floor)Networking / Refreshments

16:00 - 16:30

Low emissions ammonia costs: Sorting through the hype

Auditorium (Floor -1)Plenary
Alex Amin Analyst - CRU

16:30 - 17:00

A producer view on investing in low emission ammonia
Auditorium (Floor -1)Plenary
Keshni Sritharan Head of Nitrogen Analysis - OCI NV

17:00 - 17:30

Opportunities and considerations for ammonia as a marine fuel
Auditorium (Floor -1)Plenary
Andy Franks Senior Decarbonisation Risk Specialist - Lloyd's Register Maritime Decarbonisation Hub

17:30 - 19:00

Topsoe Welcome Reception
Exhibition area (Ground Floor)Networking / Refreshments

Tuesday 07 March

08:00 - 19:30

Exhibition open Exhibition area (Ground Floor)Exhibition

08:00 - 19:30

Registration open Registration Desk (Ground Floor)Registration

09:00 - 09:30

Electrified steam methane reforming by eREACT™: Emissions-free syngas manufacturing
Auditorium (Floor -1)Track 1
Sudip De Sarkar

09:00 - 09:30

First commercial references of the new award-winning ammonia synthesis catalyst AmoMax-Casale®

J Mao/Petronas/Liberty (Floor -1)Track 3

Sergio Panza Ammonia Technology Manager - Casale SA
Vaclav Jurcik Sales Manager Syngas - Clariant

09:00 - 09:30

Toyo's new urea process "ACES21-LP" provides great benefits to urea plant owners in cost and energy savings

Eiffel/Sears/Pisa (Floor -1)Track 2

Takahiro Yanagawa Senior Process Engineer - Toyo Engineering Corporation

09:30 - 10:00

Application of technology features in a large-scale urea granulation plant

Eiffel/Sears/Pisa (Floor -1)Track 2

Simon Koch Expert Process - thyssenkrupp Fertilizer Technology GmbH

09:30 - 10:00

Case study: Decreasing energy consumption during turn-around

J Mao/Petronas/Liberty (Floor -1)Track 3

Harnomo Superintendent Ammonia Plant 2 - PT Pupuk Kalimantan Timur

09:30 - 10:00

Reducing CO2 footprint and increasing ammonia production via injection of green hydrogen into existing ammonia plants

Auditorium (Floor -1)Track 1

Frederick Kessler Head of Group Ammonia & Urea Revamps Fertilizer - thyssenkrupp Industrial Solutions AG

10:00 - 10:30

Latest developments and projects in fluidized bed granulation

Eiffel/Sears/Pisa (Floor -1)Track 2

Ken Monstrey Granulation Technology Manager - Casale Ltd

10:00 - 10:30

Recuperative reforming – A key element for blue syngas production

Auditorium (Floor -1)Track 1

Francesco Baratto Head of SynGas Process Department - Casale SA
Jan-Jaap Riegman

Senior Product Development Engineer Hydrogen/Syngas - Technip Energies

10:00 - 10:30

Syngas plant feedstock conversion – Utilising alternatives to natural gas

J Mao/Petronas/Liberty (Floor -1)Track 3

Himanshu Pahwa Senior Technical Service Engineer - Johnson Matthey

10:30 - 23:00

Networking break

Exhibition area (Ground Floor)Networking / Refreshments

11:00 - 11:30

Blue hydrogen production: Achieving minimum carbon footprint and minimum operating cost, comparing SMR and ATR

Auditorium (Floor -1)Track 1

Giulio Galdieri Hydrogen Technology Specialist - KT - Kinetics Technology S.p.A.

Stefano Carenza Hydrogen Technology Specialist - KT - Kinetics Technology S.p.A.

11:00 - 11:30

Upgrading salty by-product of acidic scrubber

Eiffel/Sears/Pisa (Floor -1)Track 2

11:00 - 11:30

LTS catalyst ShiftMax217® has generated significant monetary benefits through increased energy efficiency

J Mao/Petronas/Liberty (Floor -1)Track 3

Barend de Jong Process Engineer - Yara

Maximilian Aigner Sales Account Manager - Clariant Catalysts

11:30 - 12:00

Low carbon hydrogen: A climate silver bullet

Auditorium (Floor -1)Track 1

Elena Petriaeva Technical Marketing Manager - BASF Middle East Chemicals LLC

11:30 - 12:00

Process integration & optimization of hyco plant with H₂ purification & CO₂ reforming

J Mao/Petronas/Liberty (Floor -1)Track 3

Alpesh Suresh Lakdawala Production Engineer - Sahara International Petrochemical Company (Sipchem)

11:30 - 12:00

Superior mechanical reliability of urea plants through post-EPC assistance

Eiffel/Sears/Pisa (Floor -1)Track 2

Masashi Takahashi Engineering Technology Division - Toyo Engineering Corporation

12:00 - 12:30

A blocked leak detection system: What to do?

Eiffel/Sears/Pisa (Floor -1)Track 2

Mark Brouwer Director - UreaKnowHow.com

12:00 - 12:30

How optimal integration of SOEC electrolysis and Topsoe ammonia technology can significantly impact plant economics

Auditorium (Floor -1)Track 1

12:00 - 12:30

SEEING INSIDE THE BOX. REFORM CMS innovation in reforming monitoring and optimisation

J Mao/Petronas/Liberty (Floor -1)Track 3
Chris Murkin Sales Manager - Johnson Matthey

Pierre Coddeville Process engineer for site development - YARA

12:30 - 14:00

Networking Lunch

Exhibition area/Terrace (Ground Floor)Networking / Refreshments

14:00 - 14:30

MegaZonE™ - First commercial reference of novel methanol synthesis technology

J Mao/Petronas/Liberty (Floor -1)Track 3

Norbert Ringer Global Methanol Industry Director, Global Industry Expert Syngas - Clariant

14:00 - 14:30

The best of low carbon hydrogen technologies for ammonia

Auditorium (Floor -1)Track 1

Martin Gorny Product Director ATR based Hydrogen Technologies - Air Liquide Global E&C Solutions
Germany GmbH

14:00 - 14:30

Use of Safurex® thin foils for Pressure, Level and Flow transmitters

Eiffel/Sears/Pisa (Floor -1)Track 2

Guido Geurts Sr. Process Control and Instrumentation Engineer - Stamicarbon

14:30 - 15:00

Barents blue ammonia project: A landmark towards sustainability

Auditorium (Floor -1)Track 1

Andrea Zambianco Fertilizer & Syngas Business Manager - Saipem S.p.A.

Rune Halseid Chief Project Officer for Ammonia - Horisont Energi AS

14:30 - 15:00

Creep life assessment of non-standard materials: Reformer tubes and outlet manifolds

J Mao/Petronas/Liberty (Floor -1)Track 3

Alice Young Materials Engineer - Quest Integrity NZL Ltd.

14:30 - 15:00

Improving the performance of the HP synthesis and wastewater treatment sections of IFFCO Kalol

Eiffel/Sears/Pisa (Floor -1)Track 2

Bhupen Mehta Joint General Manager - Technical - IFFCO Kalol

15:00 - 15:30

Blue ammonia for lower CO2 emissions

Auditorium (Floor -1)Track 1

Bernd Mielke Head of Process Group Ammonia - thyssenkrupp Industrial Solutions AG

15:00 - 15:30

Carbamate solution carryover during urea plant startup

Eiffel/Sears/Pisa (Floor -1)Track 2

Zuhroni Ali Fikri Process Engineer - PT Petrokimia Gresik

15:00 - 15:30

Pressure equipment failures on ammonia and nitric acid plants from stress relaxation cracking

J Mao/Petronas/Liberty (Floor -1)Track 3

David Keen Ammonia and Downstream Plant Reliability SME - Becht

15:30 - 15:40

Optimizing explosive mixture in a vintage urea plant to enhance production capacity and energy efficiency for sustainable operation

Eiffel/Sears/Pisa (Floor -1)Track 2

Luqman Rafiq Process Engineer - Engro Fertilizers Limited

15:30 - 16:00

Networking break Exhibition area (Ground Floor)Networking / Refreshments

15:40 - 16:10

Lessons learned from replacing a HP stripper and HP scrubber during turnaround

Eiffel/Sears/Pisa (Floor -1)Track 2

Ahmed Ibrahim Moustafa Urea Operation Manager

Fawzy Shaaban Tayel Urea Maintenance General Manager - Abu Qir Fertilizers Company

16:00 - 16:30

Blue NH₃ with HISORP CC: An adsorptive CO₂ removal process

Auditorium (Floor -1)Track 1

Thomas Ried Process Engineer - Linde GmbH

16:00 - 16:30

Understanding amine activated hot-spot systems

J Mao/Petronas/Liberty (Floor -1)Track 3

Pedro Ott Senior Application Engineer - Optimized Gas Treating, Inc.

16:30 - 17:00

How Enhanced Reality technology speeds up the onboarding of operators and reduces plant downtime related to operational errors

J Mao/Petronas/Liberty (Floor -1)Track 3

Susanna Voges Director of Operations - Voovio Technologies SL

16:30 - 17:00

KBR's blue ammonia technology: Mega-scale with proven technology

Auditorium (Floor -1)Track 1

Marc LaRoe Senior Technical Advisor - KBR

17:00 - 17:30

Application of CFD for optimization of Waste Heat Boilers
J Mao/Petronas/Liberty (Floor -1)Track 3

Ralph Ernst Head of Heat Transfer - Steinmüller Engineering GmbH

17:00 - 17:30

Tangible solutions to face the challenge and implement a sustainable transition: Casale technologies for emission reduction in existing plants and newbuilds

Auditorium (Floor -1)Track 1

Sergio Panza

Ammonia Technology Manager - Casale SA

17:30 - 19:00

KBR Drinks Reception

Exhibition area (Ground Floor)Networking / Refreshments

Wednesday 08 March

08:30 - 15:30

Exhibition open Exhibition area (Ground Floor)Exhibition

08:30 - 15:30

Registration open Registration Desk (Ground Floor)Registration

09:00 - 09:30

Benfield system revamp experience at Yara plant

J Mao/Petronas/Liberty (Floor -1)Track 3

VK Arora, Director - Proc. Technology & Management - Kinetics Process Improvements, Inc. (KPI)

09:00 - 09:30

Optimized FTC flex gauze packs for catalysis of ammonia oxidation

Eiffel/Sears/Pisa (Floor -1)Track 2

Oliver Henkes Senior Technical Service Manager - Heraeus Deutschland GmbH & Co. KG

09:00 - 09:30

TrueBlue Methanol™ - A low carbon emission methanol production process

Auditorium (Floor -1)Track 1

Daniel Barnett Vice President of Engineering - BD Energy Systems, LLC

09:30 - 10:00

Experience with repair and replacement of the second ammonia converter (r-0502) in the ammonia plant-1a of Pupuk Kaltim Fertilizer

J Mao/Petronas/Liberty (Floor -1)Track 3

Akhmad Sajidin Vice President Manufacturing - PT Pupuk Kaltim

Majus Luther Sirait Senior Vice President Operation 2 - PT Pupuk Kaltim

09:30 - 10:00

KBR ammonia cracking technology: A roadmap from renewable energy source to green hydrogen supply where it is needed the most

Auditorium (Floor -1)Track 1

Elena Stylianou Technology Manager - Ammonia Cracking - KBR

09:30 - 10:00

Optimization of ammonia oxidation by CFD modelling and experiments. Role of mass transfer on product selectivity

Eiffel/Sears/Pisa (Floor -1)Track 2

Artur Wisner Manager Product & Process Development - Umicore AG & Co. KG

10:00 - 10:30

Contribution to materialize economical clean fuel ammonia value chain

Auditorium (Floor -1)Track 1

Kensuke Yoshioka Ammonia Sales Manager - JGC Corporation

Toshiyuki Koga Deputy Division Director of Carbon Neutral Biz. Div. - Toyo Engineering Corporation

10:00 - 10:30

Process and efficiency improvement through ammonia front end pressure drop reduction

J Mao/Petronas/Liberty (Floor -1)Track 3

Mian Mazhar Iqbal Arain Manager Ammonia Plant - Engro Fertilizers Limited

Muhammad Amir Abdullah Deputy Manager Operations - Engro Fertilizers Limited

10:00 - 10:30

Start me up – improved activation can improve gauze performance

Eiffel/Sears/Pisa (Floor -1)Track 2

Thomas Ithell Senior Process Engineer - Johnson Matthey

10:30 - 11:00

Networking Break

Exhibition area (Ground Floor)Networking / Refreshments

11:00 - 11:30

Latest Improvements in the Uhde EnviNOx® Process for N₂O abatement

Eiffel/Sears/Pisa (Floor -1)Track 2

Ronny Loof Senior Process Engineer - thyssenkrupp Uhde

11:00 - 11:30

The subsequent effect of leakage found in ammonia converter effluent on ammonia, urea, and utility plant

J Mao/Petronas/Liberty (Floor -1)Track 3

Indrawan Pinandita Assistant Vice President (Ammonia Plant) - PT Petrokimia Gresik

Zuhroni Ali Fikri Process Engineer - PT Petrokimia Gresik

11:00 - 11:30

Turbomachinery technologies for decarbonisation: Ammonia/Hydrogen-burning gas turbines

Auditorium (Floor -1)Track 1

Giovanni Sarti Hydrogen Solution Architect - Gas Turbine and Systems - Baker Hughes
Sergio Ghezzi Senior Business Development Manager - Baker Hughes

11:30 - 12:00

Boosting reliability of ammonia plants by switching outdated 101CA/B and 102C boilers with a proven and reliable design

J Mao/Petronas/Liberty (Floor -1)Track 3

Heinrich Ormann Director Key Account CIS - SCHMIDTSCHE SCHACK | ARVOS GmbH

Marco Mazzamuto Carlucci Ammonia Technology Leader - Casale SA

11:30 - 12:00

Duplex stainless steel for use in alkaline electrolyzers with demand on extreme service life - green hydrogen

Auditorium (Floor -1)Track 1

Jonas Höwing Technical Marketing Specialist, EMEA - Alleima

11:30 - 12:00

Emission monitoring & reporting from nitric acid production - A moving target

Eiffel/Sears/Pisa (Floor -1)Track 2

David Inward Strategic Industry Manager Chemicals, Petrochemicals, Refineries - SICK AG

12:00 - 12:30

Effective reduction of nitrogen oxide and ammonia emissions by utilizing environmentally compliant technologies

Eiffel/Sears/Pisa (Floor -1)Track 2

Shinya Fukuzawa Deputy Manager - Mitsubishi Heavy Industries Engineering, Ltd

12:00 - 12:30

Improving sustainability of steam reformers

Auditorium (Floor -1)Track 1

Pablo Cardin Research & Development Services - Schmidt + Clemens Group

12:00 - 12:30

Reducing fired heater CO2 emissions and fuel consumption

J Mao/Petronas/Liberty (Floor -1)Track 3

Scott Donson VP - International Business Development and Technical Operations - Tube Tech Industrial

12:30 - 14:00

Networking Lunch

Exhibition area/Terrace (Ground Floor)Networking / Refreshments

14:00 - 14:30

Shaping the nitric acid technology for a greener future

Eiffel/Sears/Pisa (Floor -1)Track 2

Carmen Perez Process Engineer - Stamicarbon

14:00 - 14:30

Syngas processing in waste-to-renewable energy technology with reduction of CO2 footprint

Auditorium (Floor -1)Track 1

Zbigniew Urban Director of Experimental Practice - Siemens Process Systems Engineering Limited

14:30 - 15:00

Euromel® G5 new generation: The green and energy saving melamine technology

Auditorium (Floor -1)Track 1

Marco Dellavedova Proposal Manager - Eurotecnica Contractors and Engineers SpA

14:30 - 15:00

Safety of nitric acid and ammonium nitrate plants

Eiffel/Sears/Pisa (Floor -1)Track 2

Johan Olsson Chief Technical Advisor - Process - KBR

15:00 - 15:30

Innovative technology to recover nitrogen and produce a climate friendly fertilizer

Auditorium (Floor -1)Track 1

Måns Gerdtsson Process Engineer - EasyMining Services Sweden AB

15:00 - 15:30

Predicting precious metal recoveries from nitric acid plant cleaning

Eiffel/Sears/Pisa (Floor -1)Track 2

David Kelley President - PGM Technologies, Inc.

15:30 - 15:40

Optimizing explosive mixture in a vintage urea plant to enhance production capacity and energy efficiency for sustainable operation

Eiffel/Sears/Pisa (Floor -1)Track 2

Luqman Rafiq Process Engineer - Engro Fertilizers Limited