



Technical Agenda

All times are in GMT. Programme is provisional and subject to change

DAY 1: Tuesday 23 March

Opening plenary sessions

13:00 Words of welcome
Presenter: Chris Lawson, Head of Fertilizers, CRU

13:30 Keynote: CRU Phosphate market outlook
Presenter: Glenn Kurokawa, Analyst, CRU

14:00 Networking session

15:00 Break

Materials developments

15:20 New insights into material selection for phosphate applications
Presenter: Sandra Le Manchet, PhD, Corrosion Resistant Alloys – R&D and Marketing, ArcelorMittal

15:55 Materials of construction for pumps, valves, and specialty items used in the production of phosphoric acid
Presenter to be confirmed, Weir Minerals

16:30 Break

Beneficiation

16:40 Gemini anionics – A new surfactant family for flotation of phosphate ore
Presenter: Nalija Smolko Schwarzmayr, Nouryon

17:15 Experiences on the beneficiation of rock phosphates using x-ray sorting machines at Ma'aden MWSPC:
Presenter: Jens-Michael Bergmann, TOMRA Sorting GmbH

17:40 How much metallurgical testing is enough?
Presenter: Ewan Wingate, Bechtel Australia
Authors: Ewan Wingate, Bechtel Australia; Michael Kelahan, Phosphate Consulting LLC

18:15 Close of day one



Day 2: Wednesday 24 March

Phosphoric Acid Operations

13:00 Phosphoric acid plant: Improve raw material efficiency and capacity utilisation through optimisation of reaction and filtration section
Presenter: Dinesh Pratap Singh, Smartchem Technologies Ltd. (Subsidiary of Deepak Fertilisers and petrochemical corporation ltd)

13:35 Solving foaming problems in phosphoric acid production
Presenter: Paul Wiatr, Nalco Water

14:10 Break

Processing low grade phosphate rock

14:30 Purified phosphoric acid from low grade phosphate rock
Presenter: To be confirmed, Tenova

15:05 Semi-industrial validation of Prayon's Ecophos Technology using high impurities containing phosphate rock to produce top quality feed grade DCP: Technophos demonstration plant
Presenter: Marc Sonveaux, HCl Based Processes Technology Lead, PRAYON

15:40 Break

Sustainability

16:00 The Definition of "Sustainable" and How It Applies to Fertilizer Coatings
Presenter: Lucas Moore, Ph.D., Director of Coatings Technology, Arkema-ArrMaz

16:35 Ash2®Phos: Closing the phosphorous cycle: Value added recycling from incinerated sewage sludge
Presenter: Yariv Cohen, Easy Mining
Authors: Yariv Cohen, Christian Kabbe, Sara Stiernström, Easy Mining

17:10 Introducing the Phos4Green technology
Presenter: Didier Schons, Glatt

17:45 Phosphorus recovery from wastewater streams using nano-enhanced adsorptive media (P-Sorb)
Presenter: Céline Vaneckhaute, Université Laval

18:20 Close of day two



DAY 3: Thursday 25 March

New process and digitalisation technologies to enhance operations

13:00 Digital solutions for mining with Artificial Intelligence

*Presenter: Oliver Jakobs, **FLSmidth BulkExpert™***

13:35 Mazidagi case study: Updated overview of an integrated metallurgical and fertilizer production facility and how digitalization has supported their operation

*Presenter: Shailesh Chandrol, **Outotec***

*Authors: Shailesh Chandrol; Collin Bartlett, **Outotec**; Kenan SOYBELLİ, **Eti Bakir***

14:10 Break

14:25 Hatch's Phosphate Digital Solutions

*Presenter: Edward de Rose, **Hatch***

15:00 Prayon's extended portfolio thanks to the acquisition of Ecophos Technologies and internal development: How new processes will change phosphate production

*Presenters: Hadrien Leruth, Business Development Engineer; Marc Sonveaux – HCl Based Processes Technology Lead, **PRAYON***

15:35 Break

Environmentally responsible production

15:50 Scrubber Revamp for SSP Plant: A Case Study

*Presenter: Shane Pope, **Armotec***

16:25 Dewatering tailings – Rapid water recovery by use of centrifuges

*Presenter: Robert Klug, **Flottweg SE***

*Authors Robert Klug, **Flottweg SE**, Nils Schwarz, **Schwarz Global Consulting***