

**ANNA 2018 Conference, Calgary, Alberta, Canada
September 16th to 21th, 2018**

Hyatt Calgary Downtown Hotel - hosted by Orica Carseland works

Agenda 2018

			Speaker	Company
Sep-16	Sunday	ANNA welcome reception		
13:00		Registration starts as of 13:00 hours until evening		
15:00			Agenda by HR	ANNA executive
18:00		Welcome reception - ANNA organisation		
			Kate Willis	Orica
Sep-17	Monday	AN meeting: 1st day		
7:00		Breakfast	Sponsored by:	Johnson-Matthey and Alloy Engineering
8:00		Registration for those joining in the last moment		
		Opening and organisation		
8:00		Opening remarks by the ANNA chairman	David Hind	Orica
8:15		Update on today's exhibitor activities	Burke Allen	Alloy Engineering
8:25		Identification of attendees	all	all
		General issues and legislation		
9:00	AN-01	ANNA 2017 meeting: observations and balance sheet	David Hind / Burke Allan	Orica / Alloy Eng.
9:30	AN-02	Fertilizer regulations in North America / NFPA revision	Noel Hsu	Orica
10:00		Coffee / Tea break	Sponsored by:	MECS
		AN solution production		
11:00	AN-03	Global dynamics in AN market: Current trade flows and future evolution	Luke Hutson	Fertecon
11:30	AN-04	Zero contaminants in neutralizer effluents	Nino Giannola	Casale
12:00		Lunch		
		Production of solid AN fertilizers		
14:00	AN-05	CAN granulation incident	Karl Hohenwarter	Borealis
14:35	AN-06	Detection and analysis of the early stages of caking onset	Stefan Kelly	Surface Chemists
15:15		Coffee / Tea break	Sponsored by:	ArrMaz
16:00	AN-07	Wet electrostatic dust separation in ammonium nitrate plants	Alessandro Gullà	AWS
16:30	AN-08	Experiences gained and advances in TOC determination for AN-fertilizers	E. Pankalla + J. Forth	Grupa Azoty/Suez
17:00	AN-09	Reliable bulk solids handling for efficient fertilizer production	Andrés Orlando	Jenike & Johanson
17:30		Closing of the 1st days session		
			David Hind	Orica
18:00		Evening activities offered by the exhibitors		

**ANNA 2018 Conference, Calgary, Alberta, Canada
September 16th to 21th, 2018**

Hyatt Calgary Downtown Hotel - hosted by Orica Carseland works

Agenda 2018

Sep-18	Tuesday	AN meeting: 2nd day	Speaker	Company
7:00		Breakfast	Sponsored by:	Sabin Metal Corporation
08:00		Registration for those joining in the last moment		
8:00		Remarks by the chairman and housekeeping items	David Hind	Orica
8:10		Update on today's exhibitor activities	Burke Allen	Alloy Engineering
		Quality, safety, and maintenance in AN operations		
8:20	AN-10	DCS alarm management	Michael Gill	Orica
8:55	AN-11	Continuous online ultrasonic cleaning of heat exchangers (in NH3-service)	Russell Phillion	Orange Ultrasonics
9:30	AN-12	High-speed drum granulation technology for AN-based fertilizers (ASN)	Rinat Anderzhanov	NIIK
10:00		Coffee / Tea break	Sponsored by:	Gemaco
10:45	AN-13	The good, the bad and the ugly in pumps for ammonium nitrate duty	Douglas Segovia	Wilfley
11:15	AN-14	The good, the bad and the ugly in pumps for ammonium nitrate duty	Alistair Burch	CFIh
		AN environmental aspects		
11:45	AN-15	Reducing emissions from AN operations	Martyn Dean	Begg Cousland
12:15		Lunch		
		New technology		
13:45	AN-16	Early warning system for monitoring leaks and emissions of NH3 and NOx	René Braun	Bruker Optik
14:15	AN-17	Impact of additives in AN/CAN on the design of a plate heat exchanger	V. Wajda + N. Jordison	Solex
		AN safety training		
14:45	AN-18	Application of stainless steels in ANNA environment	Toru Suzuki	Nippon Steel
15:15		Coffee / Tea break	Sponsored by:	Casale
16:00		AN Safety Round Table discussion	Dan Kilpatrick with experts	
17:15		Next years meeting	Burke Allen	Alloy Engineering
17:20		Selection of the best AN presentation	Hans Reuvers	ANNA executive
17:30		Closing of the AN meeting	David Hind	Orica
18:00		Evening activities offered by the exhibitors		
18:15		<i>Exhibit Hall: drinks and dinner offered by the exhibitors</i>		
22:00		Exhibit Hall: closing		

**ANNA 2018 Conference, Calgary, Alberta, Canada
September 16th to 21th, 2018**

Hyatt Calgary Downtown Hotel - hosted by Orica Carseland works

Agenda 2018

			Speaker	Company
Sep-19	Wednesday	HNO3 meeting: 1st day		
07:00		Breakfast	Sponsored by:	Stamicarbon
08:00		Registration for those joining in the last moment		
Opening and organisation				
8:00		Remarks by the chairman and housekeeping items	David Hind	Orica
8:05		Update on today's exhibitor activities	Burke Allen	Alloy Engineering
8:10	NA-01	Follow the money - effective precious metal tracking	Bodo Albrecht	Sabin Metal Corp.
1. General issues				
8:30	NA-02	Microbiological treatment minimizing stress on stainless metallurgies	C. Roscoe + B. Swart	Solenis
9:00	NA-03	Using requirements-driven functional modules for engineering	Johannes Dammeier	ThyssenKrupp
9:30	NA-04	Validation of automatic measurement systems - specific for NOx and N2O	John van Hoorn	Intertek
10:00		Coffee / Tea break	Sponsored by:	CRI
10:30	NA-05	Tunable diode laser spectrometers and combustion	Robert Campbell	Yokogawa
11:00	NA-06	Revamp and operation of a 50+ year old nitric acid plant	Matej Halasa	Yara
11:30		Wednesday afternoon activities offered by the exhibitors		

**ANNA 2018 Conference, Calgary, Alberta, Canada
September 16th to 21th, 2018**

Hyatt Calgary Downtown Hotel - hosted by Orica Carseland works

Agenda 2018

			Speaker	Company
Sep-20	Thursday	HNO3 meeting: 2nd day		
07:00		Breakfast	Sponsored by:	United Recovery Services
08:00		Registration for those joining in the last moment		
8:00		Remarks by the ANNA chairman and housekeeping items	David Hind	Orica
8:05		Update on today's exhibitor activities	Burke Allen	Alloy Engineering
8:10		Identification of attendees	all	all
		1. General issues		
8:35	NA-07	Results of testing new materials for primary N2O emission reduction	Alexander Dyukov	Krasvetmet
9:00	NA-08	Nitric acid revamping with Casale high pressure bleacher scheme	Jean-Francois Granger	Casale
09:30	NA-09	The 2018 ANNA nitric acid tank venting survey	Frank Wolf	Apache Nitrogen
10:00		Coffee / Tea break	Sponsored by:	Umicore
10:45	NA-10	Technical and economic benefits of suction air chilling	M. Ramzy/M. Parsons-Cohrs	TradeMark/Everest
11:15	NA-11	Pickling of nitric acid gauzes	Dan Schuler	Nutrien
11:45	NA-12	Retrofit to an all welded heat train	Roland Schech	Nutrien Redwater
12:15		Lunch		
		2. Air / NOx compressors		
		3. Process air and ammonia sources - filters		
		4. Pre-ignition		
		5. Burner and conversion catalysts		
13:45	NA-13	NOx radial compressor failure at plant commissioning: Lessons learned	Yasser Sharafeldin	EHC Egypt
14:15	NA-14	NAMAX - the new modular nitric acid train package	S. Ubben / C. Tuemmers	MAN Germany
		7. Heat train		
		8. Cooler condensor - waste heat boiler - Pt recovery		
14:45	NA-15	Lessons learned: Replacement of a cooler condenser: Failure mechanisms	Sam Correnti	Dyno Nobel
15:15		Coffee / Tea break	Sponsored by:	Everest Sciences
16:00	NA-16	Waste heat boiler melt-down (in 2015)	David Jarrett	TradeMark Nitrogen
		9. HSE		
16:30	NA-17			
		10. Absorption tower - miscellaneous		
17:00	NA-18	Advanced catalyst design for individual requirements in NH3 oxid-process	S. Rao + J. Neumann	Hindustan Platinum
17:30		Closing of the 4th days session	David Hind	Orica
18:00		Evening activities offered by the exhibitors		
18:15		<i>Exhibit Hall: drinks and dinner offered by the exhibitors</i>		
22:00		Exhibit Hall: closing		

**ANNA 2018 Conference, Calgary, Alberta, Canada
September 16th to 21th, 2018**

Hyatt Calgary Downtown Hotel - hosted by Orica Carseland works

Agenda 2018

Sep-21	Friday		Speaker	Company
		HNO3 meeting: 3rd day		
07:00		Breakfast	Sponsored by:	Heraeus
8:20		Remarks by the ANNA chairman and housekeeping items	David Hind	Orica
8:25		Update on today's exhibitor activities	Burke Allen	Alloy Engineering
		11. NOx and N2O emissions - miscellaneous		
8:30	NA-19	Backflow challenges with secondary abatement	Derrick de Silva	Orica
9:00	NA-20	The fate of chloride in the absorption tower	Jean-Francois Granger	Casale
9:30	NA-21	Investigation of N2O emissions - a case for industry knowledge sharing	Ken Nguyen	Orica
10:00		Coffee / Tea break	Sponsored by:	Espindesa & Técnicas Reunidas
10:45	NA-22	Have you considered all consequences of boiler leaks?	John May	OCI
11:15	NA-23	Reactor re-design to improve N2O abatement	Moby Emodi	Orica
11:45		Comments and questions regarding the NA section		
11:45		Input to next years agenda	Hans Reuvers	ANNA executive
11:50		Selection of the best NA presentation	Dan Kilpatrick	ANNA executive
12:00		Presentation of next years meeting location	Karl Hohenwarter	ANNA executive
12:15		Closing of the HNO3 meeting and ANNA 2017 conference	David Hind	Orica
12:30		Lunch		
		Discussion of safety and operational issues - expert round		
13:30		Operational and safety aspects: discussion among experts		
15:00		End of discussion		
17:00		Executive meeting - invitation only	Agenda by HR	ANNA executive jonannes.reuvers@gmail.com
18:00		Expected end of executive meeting		

Legend	New Day
	Topic Change
	Networking Opportunities