

13 MARCH 2023 - WORKSHOP 14-15 MARCH 2023 - CONFERENCE 16 MARCH 2023 - TECHNICAL VISIT

THE VINEYARD HOTEL, NEWLANDS, CAPE TOWN, SOUTH AFRICA

Final Programme

Monday, 13 March 2023

Pre-Conference Workshop

Sulfuric Acid Catalysis - Key Parameters to Increase Efficiency and Lower Costs

09:00-09:30 Registration Opens and Early Morning Refreshments

09:30-09:40 Introduction BASF

09:40-11:00 Technical presentation

H₂SO₄ market general Basic chemistry H₂SO₄ plant Typical layout H₂SO₄ plant

What is a catalyst and how does it work

How catalyst shape geometry influences converter performance

Cesium promoted catalyst for low emission processes

Loading/startup/shutdown/sieving

11:00–11:15 Mid-Morning Refreshments

11:15–12:15 Technical Services: BOSS100 and spent catalyst analyses

Do's and don't's

12:15-13:15 Lunch

13:15–14:45 BASF latest leading technologies: BASF QUATTRO & X3D™ CATALYST

Maximizing performance with BASF catalysts

Q&A Closure

*Workshop is separately bookable

WORKSHOP SPONSOR







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17:00-20:00	Welcome Networking Cocktail and Early Registrations Venue: Exhibition Hall - Summerhouse The Vineyard Hotel Dress Code: Smart Casual Sponsored by	11:40–12:10 12:10–13:10	² Hatch, South Africa Case study: Upgrading sulfuric acid production plants V. Igin, E. Grabun, and D. Dolgov, JSC "NIUIF", Russia Lunch	
Conference Day 1		Consist 2. T	and Malt Flaggart Courts Africa	
Tuesday, 14 March 2023		13:10–13:40	vd Walt, Elessent, South Africa	
	Registration Opens & Early Morning Refreshments	13:10-13:40	Catalytic removal of SO ₂ from coal- fired flue gas T. Ngwenya ¹ and S. Dube ² , ¹ Mintek and ³ UNISA, South Africa	
09:00-09:10	Welcome and Opening Address T. Claassens, Conference Chairperson	13:40-14:10	"Do it once and do it right" - Acid plant reliability issues and their cost	
09:10-09:15 09:15-09:30	Safety Briefing SAIMM Presidential Address		H. Lee, M. King, and U. Shah, Chemetics Inc, Canada Selecting the correct protective	
07.13-07.30	Z. Botha	14:10-14:40		
Opening Session: T. Claassens, Metso Outotec			clothing for hazardous chemical environments	
09:30-10:10	Keynote Address: Sulphur and sulphuric acid market outlook F. Gordon, <i>Acuity Commodities, UK</i>		L. Pearson, <i>DuPont, South Africa</i>	
		14:40-15:00	Afternoon Refreshments	
10:10–10:40	The great Soutern African migrations S. Sackett, Southern African	Session 3: S. Sackett, <i>Southern African Perspectives, South Africa</i>		
10:40-10:50	Perspectives, South Africa Sponsor Presentation	15:00–15:30	Large equipment replacement T. vd Walt, <i>Elessent, South Africa</i>	
	Begg Cousland Envirotec Limited Begg Cousland World Class Filtration Solutions	15:30–16:00	An overview of sulphuric acid logistics from a transporter's viewpoint	
10:50-11:10	Mid-Morning Refreshments		Zimbulk Tankers, South Africa	
Session 1: H.	Lee, Chemetics Inc, Canada	16:00	End of conference day one	
11:10–11:40	SO ₂ abatement at the Polokwane Smelter – The project and the process M. Ndlovu ¹ , G. Marsden ¹ , J. Bezuidenhout ² , R. Hundermark ¹ , and G. Erasmus ² , ¹ Anglo American and	16:00-18:00	Time at Leisure	
		18:00	Conference Dinner Delegates to meet at the Vineyard Hotel main reception @18:00 for departure to the dinner venue	



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	Dress code: Smart Casual			digital optimizer for wet ESP B. Kerstiens, <i>Metso Outotec, Germany</i>	
Conference Day 2 Wednesday, 15 March 2023		13:55–1	4:25	DrySeal [™] : A novel sealing device P.C. Bautista, E.H. Almeida, and A.H. Rossi, <i>Clark Solutions, Brazil</i>	
	Registration Opens & Early Morning Refreshments	14:25–1	4:55	Non-intrusive, concentration and mass flow measurement of sulphuric acid M. Gehl, <i>Fleximn, France</i>	
09:00-09:10	Welcome and Opening Address T. Claassens, Conference Chairperson	14:55–1	5:25	Elemental sulphur by reducing SO ₂	
09:10-09:15	Safety Briefing			with CH ₄ Y.K. Rao, <i>University of Washington, USA</i>	
Opening Session: T. Claassens, Metso Outotec		15:25		End of technical programme and	
09:15-09:55	Keynote Presentation: Road to sustainability – preparing for energy			Afternoon Refreshments	
	transformation in the sulphuric acid industry	Thursday - 16 March 2023			
	H. Storch and C. Bartlett, <i>Outotec, Germany</i>	This will	Post Conference Visit This will be a social visit to the V&A Waterfront where delegates will have the opportunity explore and enjoy a		
09:55–10:25	Sulphuric acid cooler design, operation and maintenance T. vd Walt, Elessent, South Africa	variety of attractions and activities, then followed by a hearty lunch at Bistro Sixteen82. About The V&A Waterfront			
10:25–10:35	Sponsor Presentation Clark Solutions	There are a wide variety of attractions and activities to enjoy on the property. From cultural landmarks such as the Zeitz			
10:35-10:55	Mid-Morning Refreshments	Museum of Contemporary Art Africa (MOCAA) to more			
Session 4: S.	Session 4: S. Coley, BASF, South Africa		leisurely pursuits such as a sunset cruise on one of the chartered boats berthed here. About Bistro Sixteen82 Bistro Sixteen82 is an innovative and interactive wine and food destination. The restaurants sits adjacent to Steenberg's Winery and Wine Tasting Room, and spills into its surrounding indigeneous gardens with a terraced dining area leading to reflective water feature, unfurling into views of the magnificent stone mountain and expansive winelands.		
10:55–11:25	O:55–11:25 Operational readiness and commissioning of the Polokwane SO ₂ abatement plant M. Ndlovu ¹ , D. Dippenaar ² , B. Mrara ² , R. Pinto ¹ ,R. Sverdrup ³ , M. Granroth ³ , and R. Kukielka ⁴ , ¹ Anglo American, South Africa, ² Anglo American Platinum, South				
	Africa, ³ Topsoe, Denmark and ⁴ GEA	SCHEDULE:			
11:25–11:55	Bischoff GmbH, Germany Achieving the mist eliminator	09:00	Depar Water	t the Vineyard Hotel, Newlands to the V&A front	
	efficiency that you need to protect your plant and the environment	09:30	Arriva delega	al at the V&A Waterfront (time at leisure for ates)	
11:55–12:25	C. Cassells, <i>Begg Cousland</i> , <i>UK</i> Facing the new challenges of the world with a new catalyst solution C. Frandsen, <i>Topsoe A/S</i> , <i>Denmark</i>	11:30		rt V&A Waterfront to Bistro Sixteen82 @ berg Wine Farm	
		12:00	Arriva Farm	al at Bistro Sixteen82 @ Steenberg Wine	
12:25–13:25	Lunch Francisco A/S Danmark	14:00		t Steenberg Wine Farm and back to The ard Hotel, Newlands	
13:25–13:55	Frandsen, Topsoe A/S, Denmark Emission control for SO ₂ offgas and	*Post Co	•	ce Social Visit is Separately Bookable	