

Preliminary Conference Timetable

TUESDAY 18 November		
Conference Arena 1		
9:15	Opening:	Stainless Steel World
9:20	Welcome:	Sayee Raghunathan, Saudi Aramco, Saudi Arabia
9:30	Keynote 1:	New applications for stainless steel and corrosion resistant materials in the context of energy transition
10:00	Keynote 2:	Chinese perspective on stainless steel market
10:30	Coffee & Expo Break	
Conference Arena 1		Conference Arena 2
	Paper Session: Corrosion - Seawater and pitting Session Chair: Markus Kind, Rolf Kind GmbH	Paper Session: Additive manufacturing Session Chair: John Houben, ExxonMobil Research and Engineering
11:00	Hydrogen induced stress cracking of a 25Cr super duplex subsea umbilical termination assembly with unfavorable grain orientation - Hans Martin Jahren, Equinor	High performance additive manufacturing of 316L components with cooling channels using DED-arc - Pedro Cotrim Maciel, Plasma Additive
11:25	Duplex stainless steel in the marine environment: the impact of the exposure zone - Saman Hosseinpour, Outokumpu Nirosta GmbH-Krefeld	Cold rolled vs 3E printing stainless steels: a comparative analysis - Muhammad Dr. Muhammad Yasir, FORVIA
11:50	Corrosion behavior of S32202 (EN 1.4062) lean duplex stainless steel in natural seawater: a comparison with more commonly used grades - Mohammad Hassanzadeh, French Corrosion Institute/KU Leuven University	Revealing the superior corrosion protection of the passive film on selective laser melted 316L SS/ultrapure 316L SS in a phosphate-buffered saline solution - Yong Hua, Zhejiang JIULI Hi-Tech Metals
12:15	Carbon alloying boosts austenitic stainless steel to achieve high corrosion resistance and low cost application - Zhiyu Wang, Baoshan Iron & Steel	Study of PWHT on weld metal of the newly developed filler metal FM 825 CTP (UNS N08827) - Martin Wolf, VDM Metals International
12:40	Lunch & Expo Break	
	Paper Session: Corrosion - testing Session Chair: Jacko Aerts, dsm-firmenich	Paper Session: Surface/material optimization Session Chair: Saman Hosseinpour, Outokumpu
14:00	SAF™ 3006: a super duplex stainless steel with enhanced mechanical and corrosion resistance for the chemical and petrochemical industries - Bernardo Siza Vieira, Alleima	A comparative study of heat resisting stainless steels for application up to 1000°C - Pierre-Emmanuel Léger, Aperam Research Center
14:25	Corrosion screening of stainless steels – exploring the application of inspection & corrosion assessment tags - Dirk Engelberg, The University of Manchester	Waste minimization in the stainless-steel pickling processes - Marco Zavattoni, Condoril Stainless
14:50	Assessment of pitting and corrosion resistance of passive alloys using accelerated short-term testing - Julien Pellé, Institut de la corrosion	Optimization of pickling procedure in order to achieve maximum corrosion resistance - Václav Šeň, University of Chemistry and Technology in Prague
15:15	The super austenitic grade Sanicro® 35 (UNS N08935) proving its position as a potential nickel alloy substitute for demanding process industry equipment - Claes Tigerstrand, Outokumpu	Coated stainless steel as a cost-effective and functional alternative for bipolar plates in PEM electrolyzers - Rodríguez Raquel, TUBACEX INNOVACION
15:40	Networking on the Exhibition Floor	

Join the Sustainability Day and find...

INSPIRATION FROM SPACE
Discover how aerospace innovation is pushing boundaries in material science and driving change in stainless steel production.

SUSTAINABILITY FROM ORBIT
Hear Dr. Kuipers' personal story and his call to action for sustainable industry—backed by a truly planetary perspective.

INDUSTRY INNOVATION
Learn how space technologies can influence smarter, cleaner and more efficient manufacturing.


ELITE NETWORKING
Connect with global leaders, engineers and decision-makers driving the stainless steel industry forward.

THE SUSTAINABILITY DAY IS SPONSORED BY Alleima aperam

SUPPORTED BY  



Preliminary Conference Timetable

WEDNESDAY 19 November – Sustainability Day		
Conference Arena 1		
9:15	Keynote 3: Opportunities for stainless steel in Carbon Capture and Storage (CCS), Marc Wilms. Shell	
9:45	Keynote 4: tba	
10:15	Coffee & Expo Break	
Conference Arena 1		Conference Arena 2
	Paper Session: Energy transition solutions Session Chair: Raymond Cordewener, R. Cordewener Management & Consultancy	Paper Session: Aerospace Session Chair: Sayee Raghunathan, Saudi Aramco
10:45	Corrosion design of liquid CO ₂ evaporators - Jan-Willem Rensman, Fluor BV	Impact of Delta Process (DP) craft on microstructural and mechanical property of Inconel 718 for aerospace application - Helen Cao, CSM Tech
11:10	Development of high strength austenitic stainless steels for lh2 storage applications - Ali Smith, Rina Consulting – Centro Sviluppo Materiali SpA	Sustainable stainless steel in aerospace: strength, precision, and innovation - Hilal Karakaya, Outokumpu Nirosta
11:35	Cryelso™201LN: a candidate for hydrogen transport applications - Sarata Cissé, Industeel / ArcelorMittal	Achieving excellence and sustainability in aerospace manufacturing through Nadcap - Justin McCabe, Performance Review Institute
12:00	Lunch & Expo Break	
	Join the Sustainability Expo Forum – OPEN TO ALL	
	<div>The Sustainability Expo Forum is an open-access forum hosted by sustainability leaders to inspire and enlighten attendees about innovative sustainability initiatives, best practices, and the critical role that business plays in creating a sustainable future. And also discover how aerospace innovation is pushing boundaries in material science and driving change in stainless steel production.</div>	
	Paper Session: Ammonia cracking Session Chair: Jan-Willem Rensman, Fluor	Paper Session: reserved for sponsors Session Chair: Barinder Ghai, Alleima
13:15	Nitridation resistance of Ni-based alloys in ammonia cracking environment - Norifumi Kochi, NIPPON STEEL	Reserved
13:40	Ammonia nitridation resistance of Ni-based alloy - Yutaro Katsuki, Maruichi Stainless Tube	Reserved
14:05	tba	Reserved
14:30	Break – Move to Auditorium	
Auditorium		
15:00	Special Guest - Dr. André Kuipers Keynote	
	Technology, Innovation, Sustainability, the Future – and Beyond Dr Andre Kuipers will share powerful insights on innovation in extreme environments and explore how the unique challenges of spaceflight can drive technological innovation, particularly in the energy and materials sectors, and how they can be applied to building a more sustainable industry here on Earth. ESA astronaut Dr Andre Kuipers, the first Dutch astronaut to fly two successful space missions, will deliver a special keynote speech linking space technology with the urgency of sustainability on Earth.	
16:30	Sustainability Networking Reception – with Dr. André Kuipers in the Expo Hall	
18:00	STAINLESS STEEL WORLD SOCIAL EVENING	

THURSDAY 20 November		
Conference Arena 1		
10:00	Keynote 5:	The Role of The Welding Institute in ensuring the integrity of welded corrosion resistant alloys: past, present and future - Paul Woollin, TWI
10:30	Keynote 6:	High-alloys for nuclear fusion application
11:00	Coffee & Expo Break	
Conference Arena 1		Conference Arena 2
	Paper Session: Fabrication & material selection Session Chair:	Paper Session: Ferritic stainless steels Session Chair: Sunday Okoro, GRUNDFOS
11:30	Tensile properties of TRIP type lean duplex stainless steels - Naoki Hirakawa, NIPPON STEEL	Ferritic stainless steel tubes for moisture separator reheaters: process optimisation and non-destructive testing - Julien Burgue, NEOTISS
11:55	Lightweight stainless steel tubing for high-pressure fuel systems - Polina Kazarina, CENTRAVIS Production Ukraine	Therma 4622Nb™: smart niobium (Nb) alloying as an enabler for high temperature performance of a new ferritic stainless steel - Caio Pisano, CBMM / Niobium and Hilal Karakaya, Outokumpu
12:20	Machinability analysis of 304L stainless steel hollow bars - Tim Wallbaum, DMV	Microstructural evolution under different hot rolling conditions of Nb-bearing high chromium ferritic stainless steel, Caio Pisano, CBMM
12:45	Stainless steel material selection for buried valves trim & components - Mohammed W. Tarabzouni, Saudi Aramco	tba
13:10	Close	