## **Preliminary Conference Timetable**



	TUESDAY 18 Novem	ber	
	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	Paper Session: Additive manufacturing	
	Session Chair: Markus Kind, Rolf Kind GmbH	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	Paper Session: Surface/material optimization	
	Session Chair: Jacko Aerts, dsm-firmenich	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, Condoroil 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 Šefl, University of Chemistry and Technology in Prague	
15:15	The super austenitic grade Sanicro® 35 (UNS NO8935) 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.













# **Preliminary Conference Timetable**



	WEDNESDAY 19 Novemi	ber – Sustainability Day		
	Conferen	ce Arena 1		
9:15	Keynote 3: Opportunities for stainless steel in Carbon Capture and Storage (CCS), Marc Wilms. Shell			
9:45	Keynote 4: tba	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 <sub>2</sub> evaporators - Jan-Willem Rensman, Fluor BV	Impact of Delta Process (DP) craft on microstructural and mechenical 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	Lur	nch & Expo Break		
	Join the Sustainab	ility Expo Forum – OPEN TO ALL		
	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.			
	Paper Session: Ammonia cracking	Paper Session: reserved for sponsors		
	Session Chair: Jan-Willem Rensman, Fluor	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		
	Audit	torium		
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	Paper Session: Ferritic stainless steels		
	Session Chair:	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 - Mohanned W. Tarabzouni, Saudi Aramco	tba		
13:10	Close			