SSW 2023 Preliminary Conference Timetable

STAINLESS STEEL Conference & Expo

SSW 2023 Preliminary Conference Timetable

	Conference Are			
09:45	Opening: Stainless Steel World			
09:50	Welcome: Willem Maarten van Haaften, Shell, The Netherlands			
10:00	<i>Plenary Session 1:</i> Brilliant Failures: Working together, failing together, learni Netherlands	ing together; Paul Iske, founder of the Institute of Brilliant Failures, The		
10:30	Plenary Session 2: Opportunities for stainless steel in the energy transition,	Marc Wilms, Shell, The Netherlands		
11:00	Coffee & Expo Break			
	Conference Arena 1	Conference Arena 2		
	Paper Session: High-temperature applications & materials Session Chair: Barinder Ghai, Alleima, UK	Paper Session: Corrosion Session Chair: Markus Kind, Rolf Kind GmbH, Germany		
11:30	Should high temperature stainless steels be stress relieved?, Jan-Willem Rensman, Fluor BV, The Netherlands	Avoiding corrosion of marine exhaust scrubbers, Roger Francis, Nicke Institute, UK		
11:55	Resistance to stress relaxation cracking of UNS S34752, Hayato Kayama, NIPPON STEEL Corporation, Japan	Investigation of the under-deposit corrosion susceptibility of stainless steels in seawater, Julien Pellé, Institut de la Corrosion, France		
12:20	Opportunities for different ferritic stainless steels in high temperature automotive applications, Muhammad Yasir, FORVIA, Germany	Corrosion screening of stainless steel weld microstructures with a no bipolar electrochemistry technique, Dirk Engelberg, The University of Manchester, UK		
12:45	High temperature applications and corrosion challenges, Eduardo Perea, Alleima, Sweden	Effects of a small precense of sigma phase localized in the center of the thickness on corrosion resistance for stainless austenitic steels; illustrated by the medium alloyed austenitc steel, 725LN., Jan Y Jonsson, Outokumpu Stainless AB, Sweden		
13:10	Lunch & Expo Break			
	Paper Session: Duplex / Super duplex Session Chair: Iris Rommerskirchen, Rommerskirchen GmbH, Germany	Open Discussion: Applications Moderator: Jacko Aerts, dsm-firmenich, The Netherlands		
14:00	The vacuum brazing of super duplex stainless steels, Rodney Rice, Langley Alloys Ltd, UK	 Panelists: Austenitic stainless steels for applications down to 4K, Dorian Hache Aperam Stainless Europe, France Latest advances in stainless steels characterisation at European Synchrotron Radiation Facility (ESRF), Andrea Francesco Ciuffini, ESR France 		
14:25	Combining Duplex SS high mechanical properties with low roughness surfaces: a breakthrough for food contact applications, Dr Ir Patrick Toussaint, Aperam Stainless Europe, Belgium			
14:50	The effect of α/γ ratio on the mechanical properties of duplex stainless steel, Naoki Hirakawa, NIPPON STEEL Stainless Steel Corporation, Japan			
15:15	Inspection of duplex stainless steel storage tanks in operation, Claes Tigerstrand, Outokumpu Stainless AB, Sweden	- Unlimited life of stainless steel in the process industry, and how to en it, Jacko Aerts, dsm-firmenich, The Netherlands		
15:40	Thick duplex grades in coils: substituting quarto plates for enhanced fabrica- tion and unique features, Lucas Kling, Aperam Stainless Europe, France			

	WEDNESDAY 27 September – Foo
	Conference A
9:30	Plenary Session 3: If it's uncomfortable, you're doing it right - Sustainabilit Sustainability, Denmark
10:00	Plenary Session 4: Solutions towards carbon neutral stainless steel produc
10:30	Plenary Session 5: Materials engineering challenges of carbon capture and
11:00	Coffee & E
	Conference Arena 1
	Paper Session: Towards carbon neutral Session Chair: Joelle Greenwood, Salzgitter Mannesmann Stainless Tubes, France
11:30	Corrosion resistance of stainless steels for CCS usage in supercritical $\rm CO_2$ environments; especially $\rm O_2$ containing conditions, Kyohei Kanki, Nippon Stee Corporation, Japan
11:55	Chemical recycling of stainless steel waste while permanently storing $\rm CO_{2'}$ Sjoerd van Krimpen, SCW Systems, The Netherlands
12:20	Scrap as a key factor in decarbonizing the industry, Filipe Costa, CRONIMET Envirotec, Germany
12:45	Lunch & Ex
14:00	SUSTAINABILITY DAY Wednesday 27 September 2022 Wednesday 27 September 2022 Uter All All All All All All All All All Al
14:00	Decarbonising the stainless steel industry: Outokumpu pioneering sustainab
14:30	The complexity of the carbon footprint calculation using the example of Man
15:00	Sustainability networking reception
15:30	Leveraging its new sustainability-focused business model, Aperam aims to de their 2050 climate goals. Nicolas Changeur, Aperam
16:00	900 ways to make a change – innovations that push sustainability globally. H
18:00	STAINLESS STEEL WO
	THURSDAY 28 Se
	Conference A
9:30	<i>Plenary Session 6:</i> Stainless steels for particle accelerators, detectors and fusi Mechanical and Materials Engineering Group, Switzerland
10:30	Coffee & Expo Break
	Conference Arena 1
	Paper Session: Material selection Session Chair: Lena Wegrelius, Outokumpu Stainless AB, Sweden
11:00	Field exposure studies of austenitic and duplex stainless steels in tunnel atmospheres, Thoralf Müller, Federal Institute for Materials Research and Testing (BAM), Germany
11:25	Stainless steels selection tool for water application: Pitting engineering diagrams, Sukanya Hägg Mameng, Outokumpu, Sweden
11:50	Innovative surface hardening process to increase wear resistance of stainless steels, Michael Wandel, Bodycote Specialist Technologies GmbH, Germany
12:15	Effect of grain refinement on mechanical behavior and microstructure of 17-6 austenitic stainless steel, HanSeop Noh, POSCO, South Korea
12:40	Microstructure prediction of stainless-steel during metal forming processes, Arianna Gotti, Transvalor, Italy

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13:05



STAINLESS STEEL

Conference & Expo

cus on Sustainability Day

rena 1

y strategies for future-proof businesses, Felix Bärmann, Nordic

ction, Joachim von Schéele, Linde GmbH, Germany

I storage, Liane Smith, Larkton Ltd, United Kingdom

ee & Expo Break		
	Conference Arena 2	
ibes,	Paper Session: Clean hydrogen Session Chair: Peter van Gansewinkel, Brück, Germany	
0 ₂ n Steel	Duplex opportunity in heat exchangers for alkaline electrolysers - Gre $\rm H_2$ production, Bernardo Siza Vieira, Alleima, Portugal	
CO _{2′}	Hydrogen embrittlement resistance of Nb and N added austenitic stainless steel, Yosuke Yonenaga, Maruichi Stainless Tube, Japan	
MET	Stainless steel as substrate for bipolar plates of PEM electrolyzers, Raquel Rodríguez, Tubacex Innovación, Spain	
	h C Evno Drogk	

xpo Break

, Conference Arena 1 – OPEN TO ALL

forum hosted by a select group of sustainability leaders sights, and experiences. The Forum will inspire and educate e crucial role businesses play in creating a sustainable future.



le stainless steel with Circle Green. Max Menzel, Outokumpu

nesmann Stainless Tubes. Tim Wallbaum, Mannesmann Stainless Tubes

evelop the services and advanced products its customers need to achieve

Håkan Sundström, Alleima

RLD SOCIAL EVENING

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ion magnet systems, Dr. Stefano Sgobba and Katie Elizabeth Buchanan, CERN,

	Conference Arena 2		
	Workshop: Additive manufacturing / welding Moderator: Raymond Cordewener, R. Cordewener Management & Consultancy, The Netherlands		
	Panellists:		
ing	- Effect of surface finish on corrosion performance of additively manufactured superduplex stainless steel, Briony Holmes, TWI, UK		
ims,	- How digital AM shapes the supply chain of the stainless steel applications, Fabrizio Ragusa, SLM Solutions, Germany		
S	- Friction welding technologies for manufacturing, repair and sampling in stainless steel compo-nents, Dreyer Bernard, eNtsa - Nelson Mandela University, South Africa		
	- Enhanced welded tubes : From the strip to the heat exchange performance, Alexis Gauthard, NE-OTISS France, France		
Close	Close		