

Conference Timetable




TUESDAY 26 September

Conference Arena 1

09:45	Opening: Stainless Steel World	
09:50	Welcome: Willem Maarten van Haften, Shell, The Netherlands	
10:00	Plenary Session 1: Brilliant Failures: Working together, failing together, learning together; Paul Iske, founder of the Institute of Brilliant Failures, The Netherlands	
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 <i>Session Chair: Barinder Ghai, Alleima, UK</i>	Paper Session: Corrosion <i>Session Chair: Markus Kind, Rolf Kind GmbH, Germany</i>
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, Nickel 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 novel 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 pre-cense of sigma phase localized in the center of the thickness on corrosion resistance for stainless austenitic steels; illustrated by the medium alloyed austenitic steel, 725LN, Jan Y Jansson, Outokumpu Stainless AB, Sweden
13:10	Lunch & Expo Break	
	Paper Session: Duplex / Super duplex <i>Session Chair: Iris Rammerskirchen, Rammerskirchen GmbH, Germany</i>	Open Discussion: Applications <i>Moderator: Jacko Aerts, dsm-firmenich, The Netherlands</i>
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 Hachet, Aperam Stainless Europe, France - Latest advances in stainless steels characterisation at European Synchrotron Radiation Facility (ESRF), Andrea Francesco Ciuffini, ESRF, France - Unlimited life of stainless steel in the process industry, and how to end it, Jacko Aerts, dsm-firmenich, The Netherlands
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	
15:40	Thick duplex grades in coils: Alternative to quarto plates for enhanced fabrication and unique features, Lucas Kling, Aperam Stainless Europe, France	

WEDNESDAY 27 September – Focus on Sustainability Day

Conference Arena 1

9:30	Plenary Session 3: If it's uncomfortable, you're doing it right - Sustainability strategies for future-proof businesses, Felix Bärmann, Nordic Sustainability, Denmark	
10:00	Plenary Session 4: Solutions towards carbon neutral stainless steel production, Joachim von Schéele, Linde GmbH, Germany	
10:30	Plenary Session 5: Materials engineering challenges of carbon capture and storage, Liane Smith, Larkton Ltd, United Kingdom	
11:00	Coffee & Expo Break	
	Conference Arena 1	Conference Arena 2
	Paper Session: Towards carbon neutral <i>Session Chair: Joelle Greenwood, Salzgitter Mannesmann Stainless Tubes, France</i>	Paper Session: Clean hydrogen <i>Session Chair: Peter van Gansewinkel, Brück, Germany</i>
11:30	Corrosion resistance of stainless steels for CCS usage in supercritical CO ₂ environments; especially O ₂ containing conditions, Kyohei Kanki, Nippon Steel Corporation, Japan	Duplex opportunity in heat exchangers for alkaline electrolyzers - Green H ₂ production, Bernardo Siza Vieira, Alleima, Portugal
11:55	Chemical recycling of stainless steel waste while permanently storing CO ₂ , Sjoerd van Krimpen, SCW Systems, The Netherlands	Hydrogen embrittlement resistance of Nb and N added austenitic stainless steel, Yosuke Yonenaga, Maruichi Stainless Tube, Japan
12:20	Scrap as a key factor in decarbonizing the industry, Filipe Costa, CRONIMET Envirotec, Germany	Stainless steel as substrate for bipolar plates of PEM electrolyzers, Raquel Rodríguez, Tubacex Innovación, Spain
12:45	Lunch & Expo Break	
14:00	 Join the Sustainability Expo Forum, Conference Arena 1 – OPEN TO ALL The Sustainability Expo Forum is an open-access forum hosted by a select group of sustainability who have been invited to share their expertise, insights, and experiences. The Forum will inspire and educate attendees about innovative sustainability initiatives, best practices, and the crucial role businesses play in creating a sustainable future.	
14:00	Decarbonising the stainless steel industry: Outokumpu pioneering sustainable stainless steel with Circle Green and the Inner Circle, Max Menzel, Outokumpu	
14:30	The complexity of the carbon footprint calculation using the example of Mannesmann Stainless Tubes. Tim Wallbaum, Mannesmann Stainless Tubes	
15:00	Sustainability networking reception	
15:30	Leveraging its new sustainability-focused business model, Aperam aims to develop the services and advanced products its customers need to achieve their 2050 climate goals. Nicolas Changeur, Aperam	
16:00	900 ways to make a change – innovations that push sustainability globally. Håkan Sundström, Alleima	
18:00	STAINLESS STEEL WORLD SOCIAL EVENING	

THURSDAY 28 September

Conference Arena 1

9:30	Plenary Session 6: Stainless steels for particle accelerators, detectors and fusion magnet systems, Dr. Stefano Sgobba and Katie Elizabeth Buchanan, CERN, Mechanical and Materials Engineering Group, Switzerland	
10:30	Coffee & Expo Break	
	Conference Arena 1	Conference Arena 2
	Paper Session: Material selection <i>Session Chair: Lena Wegelius, Outokumpu Stainless AB, Sweden</i>	Workshop: Additive manufacturing / welding <i>Moderator: Raymond Cordewener, R. Cordewener Management & Consultancy, The Netherlands</i>
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	Panelists: - Effect of surface finish on corrosion performance of additively manufactured superduplex stainless steel, Briony Holmes, TWI, UK - How digital AM shapes the supply chain of the stainless steel applications, Fabrizio Ragusa, SLM Solutions, Germany - Friction welding technologies for manufacturing, repair and sampling in stainless steel components, 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
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 Wendel, Badycote 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	
13:05	Close	