

TUESDAY 26 September		
09:45	<b>Opening:</b>	<b>Stainless Steel World</b>
09:50	<b>Welcome:</b>	<b>Willem Maarten van Haften</b> , Shell, The Netherlands
10:00	<b>Plenary Session 1:</b>	<b>Brilliant Failures: Working together, failing together, learning together;</b> Paul Iske, founder of the Institute of Brilliant Failures, The Netherlands
10:30	<b>Plenary Session 2:</b>	<b>Application focused on Geothermal and potentially other renewable energy areas</b> (tentative) , Marc Wilms, Shell, The Netherlands
11:00	<b>Coffee &amp; Expo Break</b>	
Room 1		Room 2
<b>Paper Session: High-temperature applications &amp; materials</b> <b>Session Chair: Barinder Ghai, Alleima, UK</b>		<b>Paper Session: Corrosion</b> <b>Session Chair: Markus Kind, Rolf Kind GmbH, Germany</b>
11:30	Should high temperature stainless steels be stress relieved?, Jan-Willem Rensman, Fluor BV, The Netherlands	Avoiding Corrosion in Marine Scrubbers, Roger Francis, RF Materials, UK
11:55	Resistance to Stress Relaxation Cracking of UNS S34752, Shinnosuke Kurihara, NIPPON STEEL Corporation, Japan	Investigation of the under-deposit corrosion susceptibility of stainless steels in seawater, Charles Leballeur, 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	Effect of Boron element on the reducing of the severity of Coil Break Defects in Saba Steel Company products, Jamshad Jamshidian, Mobarakeh steel company, Iran	Effects of a small presence 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 Jonsson, Outokumpu Stainless AB, Sweden
13:10	<b>Lunch &amp; Expo Break</b>	
<b>Paper Session: Duplex / Super Duplex</b> <b>Session Chair: Iris Rommerskirchen, Rommerskirchen GmbH, Germany</b>		<b>Open Discussion: Application</b> <b>Moderator: Jacko Aerts, DSM, The Netherlands</b>
14:00	The vacuum brazing of super duplex stainless steels, Rodney Rice, Langley Alloys Ltd, UK	Panellists: <ul style="list-style-type: none"> <li>- Austenitic stainless steels for applications down to 4K, Dorian Hachet, Aperam Stainless Europe, France</li> <li>- Latest advances in stainless steels characterization at European Synchrotron Radiation Facility (ESRF), Andrea Francesco Ciuffini, ESRF, France</li> </ul>
14:25	Combining Duplex SS high mechanical properties with low roughness surfaces: a breakthrough for food contact applications, Charles David, Aperam, France	
14:50	The Effect of $\alpha/\gamma$ 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: substituting quarto plates for enhanced fabrication and unique features, Lucas Kling, Aperam Stainless Europe, France	

Wednesday 27 September – Focus on Sustainability Day		
9:30	<b>Plenary Session 3: If it's uncomfortable, you're doing it right - Sustainability Strategies for Future-Proof Businesses</b> , Felix Bärmann, Nordic Sustainability, Denmark	
10:00	<b>Plenary Session 4: Solutions Towards Carbon Neutral Stainless Steel Production</b> , Joachim von Schéele, Linde GmbH, Germany	
10:30	<b>Plenary Session 5: TBA</b>	
11:00	<b>Coffee &amp; Expo Break</b>	
Room 1		Room 2
<b>Paper Session: Carbon Neutral</b> <b>Session Chair: Joelle Greenwood, Salzgitter Mannesmann Stainless Tubes, France</b>		<b>Paper Session: Clean Hydrogen</b> <b>Session Chair: Peter van Gansewinkel, Brück, Germany</b>
11:30	Corrosion Resistance of Stainless Steels for CCS Usage in Supercritical CO <sub>2</sub> Environments; especially O <sub>2</sub> containing conditions, Kyohei Kanki, Nippon Steel Corporation, Japan	Duplex opportunity in heat exchangers for alkaline electrolyzers - Green H <sub>2</sub> production, Bernardo Siza Vieira, Alleima, Portugal
11:55	Decarbonizing the Stainless Steel Industry: Outokumpu pioneering sustainable stainless steel with Circle Green, Outokumpu, Max Menzel, Finland	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	<b>Lunch &amp; Expo Break</b>	
14:00	<b>Sustainability Expo Forum</b> Endlessly recyclable and with a high degree of recycled content, stainless steel is the ultimate sustainable material. Today key industry players are striving to develop further to meet their sustainability and environmental goals. During the Forum, experts will discuss how manufacturers, suppliers and end-users can realistically make steps to achieve their sustainability goals with particular attention given to practical examples. OPEN TO ALL VISITORS & DELEGATES	
18:00	<b>STAINLESS STEEL WORLD SOCIAL EVENING</b>	

THURSDAY 28 September		
9:30	<b>Plenary Session 6: Stainless steels for particle accelerators, detectors and fusion magnet systems</b> Dr. Stefano Sgobba and Katie Elizabeth Buchanan, CERN, Mechanical and Materials Engineering Group, Switzerland	
10:30	<b>Coffee &amp; Expo Break</b>	
ROOM 1		ROOM 2
<b>Paper Session: Material Selection</b> <b>Session Chair: Lena Wegrelius, Outokumpu Stainless AB, Sweden</b>		<b>Workshop: Additive Manufacturing / Welding</b> <b>Moderator: Raymond Cordewener, R. Cordewener Management &amp; Consultancy, The Netherlands</b>
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	Panellists: <ul style="list-style-type: none"> <li>- Effect of surface finish on corrosion performance of Additively Manufactured SuperDuplex Stainless Steel, Briony Holmes, TWI, UK</li> <li>- How digital AM shapes the supply chain of the stainless steel applications, Fabrizio Ragusa, SLM Solutions, Germany</li> <li>- Friction welding technologies for manufacturing, repair and sampling in stainless steel components, Dreyer Bernard, eNtsa - Nelson Mandela University, South Africa</li> <li>- Enhanced welded tubes : From the strip to the heat exchange performance, Alexis Gauthard, NEOTISS France, France</li> </ul>
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, 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, Nadine El Kousseifi, Transvalor, France	
13:05	<b>Close</b>	

As of 22 May 2023