

TUESDAY 30 November

| | | |
|-------|--|---|
| 09:45 | Opening: Thijs Elshof, CEO, KCI Publishing BV, The Netherlands | |
| 09:50 | Welcome: Jan van de Wetering, Nobian, The Netherlands | |
| 10:00 | Plenary Session: Global Stainless Steel Market, Tim Collins, Secretary-General, International Stainless Steel Forum, Belgium | |
| 10:30 | Plenary Session: How a 3D printed bridge impacts the Stainless Steel industry, Gijs van der Velden, MX3D, The Netherlands | |
| 11:00 | Coffee & Expo Break | |
| | EURO ROOM | FLORIN ROOM |
| | Paper Session: Application of stainless steel in green energy technologies (Solar, wind, hydrogen, etc) Session Chair: Jan Willem Rensman, Fluor, The Netherlands | Paper Session: Welding Session Chair: Iris Rommerskirchen, Eisenbau Krämer GmbH, Germany |
| 11:30 | Stainless steels for hydrogen applications, Clara Herrera , Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG, Germany (PS21026) | Rethinking Reactive Metal Pipe Systems: A Revolutionary Pipe Product, Edgar Vidal , NobelClad, USA (PS21028) |
| 12:00 | Mono and composite tubes for the use in biomass and waste to energy boilers, Angela Philipp , Sandvik Materials Technology Deutschland GmbH, Germany (PS21018) | Joint performance of 600MPa grade Cr-Mn-Ni-N high strength stainless steel by different welding methods, BaoWu Steel Group, Haigang Xu , China (PS21013) |
| 12:30 | Vacuum insulated piping (VIP) for LNG and Hydrogen industry, Norbert Heinzle , BUTTING, Germany (PS21035) | FM 825 CTP – A novel filler material for overlay welding in critical applications, VDM Metals International GmbH, Martin Wolf , Germany (PS21002) |
| 13:00 | Lunch & Expo Break | |
| | Discussion / Workshop: The contribution of stainless steels to sustainability Moderator: Benoît Van Hecke, Nickel Institute, Belgium | Discussion / Workshop: Consultation session on welding Moderator: Raymond Cordewener, R. Cordewener Management & Consultancy, The Netherlands |
| 14:30 | Panelist: <ul style="list-style-type: none"> - Chris Taylor, DNV/Ohio State University, USA Circular economy / sustainability - Roger Francis, Nickel Institute, UK | Panelists: <ul style="list-style-type: none"> - Zero-gap automatic/ robotic -welding of piping in all materials, Justin Geraerds, Kranendonk, The Netherlands (PS21023) - Ongoing development for EDF EASu project, Loïc Amadu, Groupe Ortec, France (PS21025) - Welding, pickling and machining of the lean duplex stainless steel 2202 (1.4062) , Sandra Le Manchet, Industeel, France (PS21033) - Hyperduplex Stainless Steel Welding, Alberto Bejarano, Pontifical Catholic University of Peru, Peru (PS21024) |

WEDNESDAY 1 December

| | | |
|-------|---|--|
| | EURO ROOM | FLORIN ROOM |
| | Paper Session: New developments in the manufacture of stainless steels Session Chair: Joelle Greenwood, Salzgitter Mannesmann Stainless Tubes, France | Paper Session: Corrosion – Part 1 Session Chair: Claus Qvist Jessen, Damstahl Group, Denmark |
| 09:30 | Material certification with Blockchain, Tom Meulendijks , SteelTrace BV, The Netherlands (PS21020) | Microbial corrosion of stainless steels, Reza Javaherdashti , Eninco Engineering B.V. , The Netherlands (PS21030) |
| 10:00 | New Generation Cold Rolling Mill - DMS 20Hi EcoMill, Alexis Duchene , Fives DMS, France (PS21017) | Localized corrosion of (lean) duplex stainless steels in urban wastewater treatment units, Audrey Allion , Aperam, France (PS21009) |
| 10:30 | Efficiency increase thanks to sample-preparation-free analysis of slags and alloying materials with laser OES, Alexander Schlemminger , QuantoLux, Germany (PS21011) | On-site, Corrosion Measurement of Stainless Steel – Characterising Passivity and Weld Tint Performance, Dirk Engelberg , University of Manchester, UK (PS21019) |
| 11:00 | Coffee & Expo Break | |

WEDNESDAY 1 December - Continued

| | | |
|-------|---|--|
| | Discussion / Workshop: Additive Manufacturing Moderator: Nicole Kinsman, IMOA, Switzerland / Thomas Ladwein, Consultant, Germany | Paper Session: Corrosion – Part 2 Session Chair: Markus Kind, R. Kind GmbH, Germany |
| 11:30 | Panellists: <ul style="list-style-type: none"> - Johan Wallin, Sandvik, Sweden AM powder for PBF-L - Preparation & Handling - Powder properties VS finished components properties - Gijs van der Velden, MX3D, The Netherlands Why Wire Arc AM is the next big thing in 3D printing - Valeria Tirelli, Aidro, Italy Innovative products with additive manufacturing for hydraulics and oil&gas industries - Marc Wilms, Shell Project & Technology, The Netherlands Additive Manufacturing: opportunities and challenges – who to overcome the latter? | <p>Field exposures of stainless steel in chloride rich atmospheric conditions, Sukanya Hägg Mameng, Outokumpu, Sweden (PS21014)</p> <p>Comparative erosion corrosion behavior of a range of stainless steels in aerated- and CO2-saturated- saline water, Trevor Hodgkiess, University of Glasgow, UK (PS21015)</p> <p>SANICRO 35TM - Bridging the gap between stainless Steels and Nickel alloys, Bernardo Siza Vieira, Sandvik Materials Technology, Portugal (PS21003)</p> |
| 13:00 | Lunch & Expo Break | |
| 14:30 | Plenary discussions Panel of experts incl end users and manufacturers discuss pre-determined theme(s) Q&A session. Bring your questions about the manufacture, specification, supply and use of stainless steels. Moderator: Glenn Byrne, Rolled Alloys, UK Panellists: Claus Qvist Jessen , Damstahl Group, Denmark / Sunday Chukwudi Okoro , GRUNDFOS Holding A/S, Denmark / Sayee Raghunathan , Saudi Aramco, Saudi Arabia / Lena Wegrelius , Outokumpu Stainless AB, Sweden / Marc Wilms , Shell Projects & Technology, The Netherlands | |
| 18:00 | STAINLESS STEEL WORLD EVENING SOCIAL - Networking Reception - | |

THURSDAY 2 December

| | | |
|--|---|--|
| 9:30 | Plenary Session: Advanced GW green hydrogen plant, conceptual design and material selection, Hans van 't Noordende, Institute for Sustainable Process Technology, The Netherlands | |
| 10:00 | Plenary Session: Stainless Steels and Hydrogen Applications, Thomas Böllinghaus, Bundesanstalt für Materialforschung und -prüfung (BAM -Federal Institute for Materials Research and Testing), Germany | |
| 10:30 | Coffee & Expo Break | |
| EURO ROOM | | FLORIN ROOM |
| Paper Session: Developments in applications for stainless steels Session Chair: Jacko Aerts, DSM, The Netherlands | | Paper Session: Duplex / Super Duplex Session Chair: Barinder Ghai, Sandvik Materials Technology, UK |
| 11:00 | Hardened stainless steel subsurface by cryogenic external turning, Lara Fricke , Institut für Werkstoffkunde – Leibniz Universität Hannover, Germany (PS21007) | Corrosion resistance of super duplex stainless steels – better understanding the role of alloying elements on their performance, Rodney Rice , Langley Alloys, UK (PS21008) |
| 11:30 | Development of a new high interstitial non-magnetic stainless steel for oil and gas applications, Clara Herrera , Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG, Germany (PS21029) | Technological development of heat and surface treatment of duplex and super duplex stainless steels SINOXX 4462 and SINOXX 4410, Robert Robič , SIJ ACRONI d.o.o., Slovenia (PS21001) |
| 12:00 | Applicability of Nb and N Bearing Austenitic Stainless Steel to Fuel Delivery Pipes, Yutaro Katsuki , Maruichi Stainless Tube Co., Ltd., Japan (PS21012) | Review of knowledge on maximum operation temperatures of Duplex grades, Jan Y Jonsson , Outokumpu, Sweden (PS21006) |
| 12:30 | Monitoring of the comprehensive orders with specific requirements for stainless steel plates used in nuclear power industry, Goran Stankovikj , SIJ ACRONI d.o.o., Slovenia (PS21005) | Sintering plant chimney in Superduplex, Didier Paul , Industeel, France (PS21032) |
| 13:00 | Close | |