

Wednesday, 11 September

09:45	Welcome from Conference Chairman Mr Gim-Choon Goh, Manager, Manager, Mechanical, Materials & Inspection, Shell Energy and Chemicals Park Singapore
10:00	Keynote: Stainless steel market perspectives . Graham Sussex, Nickel Institute / IMOA
10:30	Keynote: What is 'green steel'? In Europe and North America, the drive for sustainability is accelerating the production of 'green' stainless steel. What is it, how can you calculate a product's carbon footprint, and how can we define emission scopes 1, 2, and 3 Lucas Kling, Aperam
11:00	Coffee break
	Welding corrosion resistant alloys Moderator: P Krishnan, PCS Pte. Ltd.
11:45	Titanium welding in a 'working' environment. Fabian Kubitza, Managing Director, SEEECK Pte Ltd
12:05	Effects of dual partial repairs on the characteristics of thick-walled super duplex stainless steel pipe. Sukamal Naskar, Welding Alloys Group
12:25	Enhancing weldability and performance: Investigating TIG welding parameters for cold-rolled DX2507 super duplex. Lucas Kling, Aperam
12:45	Networking lunch
	Developments in stainless steel applications Moderator: Menas Wibowo, Brunei Shell Petroleum (BSP)
14:00	Duplex 2205 wire rope- BHP wind fence in Port Headland, Australia. Josh Sheedy, Arcus Wire Group
14:20	Evolution of mechanically lined pipe for advanced applications. Paul Montague, Cladtek Singapore
14:40	To be announced
15:00	Coffee break
	Material failures, corrosion, stress cracking Moderator: Rajaram Chidambaram, ExxonMobil
16:00	Stress corrosion cracking mitigation in austenitic stainless steels with high alloy HVTS cladding. Iain Hall, Integrated Global Services
16:20	Special steel solutions for hydrogen technology. Jamila Adem, Swiss Steel Group
16:40	Metallurgical analysis of cracked austenitic stainless steel bolts. Dr Liu Tie & Iwan Winarta, DNV Singapore
18:00	Exclusive Networking Cocktails and Dinner Reception (Invitation and Registration Required)

Thursday, 12 September

10:00	Keynote: Evolution of standards in additive manufacturing and stainless steel applications with an emphasis on ASTM standards. Andy Lu, ASTM Additive Manufacturing Programs, Singapore
10:30	Keynote: The drive for sustainability and its impact on future steel & alloy needs future, with a particular focus on electrolysis and high-temperature steels for ATR. Topsoe (TBC)
11:00	Coffee break
	11.30 – 12.30 Sustainability Moderator: Suprit Singh, PT. Panca Amara Utama.
11:30	Comparison of carbon footprints for commonly used materials in the heavy process industry. Claes Tigerstrand, Outokumpu Stainless AB.
11:50	The use of stainless steels in elective vehicles; applications and future perspectives. Hyundai Singapore. (TBC)
12:10	Case study - Welding. ExxonMobil
12:30	Networking lunch
13:30	Lessons Learned – Stainless Challenges and Success Stories Host: Mr. Gim-Choon Goh, Shell Eastern Petroleum. A series of short presentations highlighting material issues successfully resolved with stainless steel; and case studies of unique applications. <ol style="list-style-type: none"> 1. Case study: An unexpected/unusual encounter relating to high-temperature sulfidation corrosion. Shell, Mr. Gim-Choon Goh. 2. Challenge: Accelerated corrosion in SS347H heater tubes when operated beyond 500°C. <i>Vasanth Bhat, Singapore Refining Company (SRC).</i> 3. Case study: Corrosion of 316L stainless steel in an oxo alcohol unit. <i>Kiran Korety & Gilbert Tan, ExxonMobil.</i> 4. Highlighting a unique application of stainless. <i>Lissel Pilcher, ASSDA.</i> 5. <i>Graham Sussex, Nickel Institute.</i> THIS INTERACTIVE SESSION IS OPEN TO EXHIBITORS & VISITORS
14:45	Coffee break
	Robotics, Artificial intelligence, Digitalisation etc Moderator: Nurul Asni Mohamed, Custodian Engineer (Corrosion), Petronas.
15:30	Digital twins and real-time monitoring in the oil & gas industry. Vigneshwar Prabu, Masterscan Engineering.
15:50	Implementing robotic roll changing technology for processing stainless steel. Alexis Duchene, Fives DMS.
16:10	The use of drones and robotics for inspection. AOS, Australia.
16:30	Networking on the expo floor, closing.