



CONFERENCE PROGRAM - 10/06/2026

TIME	Rooms - 3rd Floor		Rooms - 2nd Floor		
	Scirocco	Libeccio	Levante	Ponente	Aliseo
08:30-08:45	Room Scirocco & Libeccio - 3rd floor - Opening remarks				
08:45-09:20	Room Scirocco & Libeccio - 3rd floor - PLENARY LECTURE - - TITLE TO BE DEFINED - Alan Thomas - AMPP CEO				
	SafeH2Pipe		Applied Research in Academia	Microbiologically Influenced Corrosion	Failure Case Studies
	<i>Chair: A.Bufalini - M.Cristea - G.Mannucci</i>		<i>Chair: F.M.Bolzoni</i>	<i>Chair: E.Croese - P.Cristiani</i>	<i>Chair: I.Giroletti - P.Dent</i>
09:20-09:45	<p>Welcome and Introduction - G.Mannucci (RINA-CSM - Italy)</p> <p>"H2 Technical Community of Interest (TCI): mission overview and future plans - a brief review of TCI's role in advancing H2 technologies" - S.Nava (DNV - USA)</p>		<p>KEYNOTE - <i>Advancing corrosion science and technology via international cooperation: the EFC mission</i> - Gareth Hinds - EFC President</p>	<p>Paper 059 - "Advancing microbiologically influenced corrosion (MIC) management: from terminology harmonization to evidence-based standards" - J.Knisz (Ludovika University of Public Service - Hungary)</p>	<p>Paper 056 - "Synergistic factors as failure causes of an AISI 304 stainless steels water piping circuit: is there a primary cause (and a primary corrective action)?" - M.De Marco, C.Casu (Istituto Italiano della Saldatura - Italy)</p>
09:45-10:10	<p>Paper 033 - "RFCS SafeH2pipe Project scope and structure" - G.Mannucci (RINA-CSM - Italy)</p>			<p>Paper 108 - "A multi-disciplinary approach for MIC assessment" - V.Colombo, C.Panizza (Cescor - Italy); C.Di Iorio, S.Franci (ENI - Italy)</p>	<p>Paper 121 - "The importance of preliminary NDT computed tomography in the resolution of corrosion failure analysis" - I.Giroletti, O.Benedetta, S.Rossi (OMECO - Italy)</p>



10:10-11:00 Coffee Break - Expo - Poster session					
	SafeH2Pipe	Coating - Application	Applied Research in Academia	Microbiologically Influenced Corrosion	Automotive
	Chair: A.Bufalini - M.Cristea - G.Mannucci	Chair: P.Donelli - R.Malfanti	Chair: F.M.Bolzoni	Chair: E.Croese - P.Cristiani	Chair: F.Bertasi - P.Atz Dick
11:00-11:25	Paper 034 - "H2 and H2NG blend transportation scenarios in EU" - E.Henriques (NaTran - France)	Paper 093 - "Fighting off corrosion at EDF Hydro – clever solutions and promises of robots" - J.Schwach (EDF HYDRO - France)	Paper 002 - "Effect of deep cryogenic treatment on hot corrosion of nimonic-90 alloy" - K.N.Pandey - (Motilal Nehru National Institute of Technology Allahabad - India)	Paper 052 - "The synergy of using various molecular microbiological methods for MIC diagnostics and mitigation" - R.Homan, E Croese, R.Elzinga (Microbial Analysis - The Netherlands)	KEYNOTE - <i>Electrocoats in Automotive Corrosion Protection: Science, Strategy and Future Directions</i> - Pedro Atz Dick - PPG
11:25-11:50	Paper 035 - "Materials for H2 pipeline service and selection/production of materials for the project" - S.Crippa (TENARIS Dalmine - Italy)	Paper 017 - "ANTICORROSION PROJECT: the challenge of air treatment" - T.Gigarel (Linkair - France)	Paper 009 - "Corrosion-induced degradation of structural materials under Black Sea marine environmental conditions" - P.Rabindran, A.Prathuru, N.Faisal - (MCPL - UK)	Paper 084 - "Microbial Inhibition of copper and brass corrosion in methanation media: effects of archaea and bacteria versus aerobic conditions" - P.Cristiani, E.Cazzulani, G.Ghiara, F.Pittino, A.Franzetti, M.Balordi, P.Fedeli, E.Malgrati, G.Chiarello, S.Ravasi, S.Trasatti (RSE - Italy)	
11:50-12:15	Paper 036 - "Selection of small-scale testing for H2 material assessment and test procedure review/definition" - D.Van Hoecke (OCAS - Belgium)	Paper 152 - "Box cooler (re-) coating – from onsite life cycle enhancement to OEM solution" - C.Fischer-Zernin (Saekaphen - Denmark)	Paper 006 - "Sealing post-treatments of coatings produced by plasma electrolytic oxidation (PEO) on AZ31 magnesium alloy" - F.Ceriani, A.Berardi, L.Paterlini, M.Ormelese (Politecnico di Milano - Italy)	Paper 155 - "Identifying MIC in failure analysis: two industrial case studies, and the impact of Q-PCR analysis" - P.Markey, S.Beerten, S.Schaltin, E.Thomas - (TÜV AUSTRIA Belgium)	
12:15-12:30	Expo				



12:30-14:15 Lunch - Expo - Poster session					
	SafeH2Pipe	Coating - Offshore & PFP	Applied Research in Academia	Microbiologically Influenced Corrosion	Automotive
	Chair: A.Bufalini - M.Cristea - G.Mannucci	Chair: P.Donelli - R.Malfanti	Chair: F.M.Bolzoni	Chair: E.Croese - P.Cristiani	Chair: F.Bertasi - P.Atz Dick
14:15-14:40	Paper 037 - "FFS models of damaged pipeline and identification of the most suitable defects for project full-scale testing" - H.Hillen (SHELL Global Solutions - UK)	KEYNOTE - Large infrastructure, an overview of maintenance techniques of existing coatings: focus on the Bigo in Genoa's Porto Antico - Martino Donelli - Donelli	Paper 051 - "Differential Impedance Analysis for quantifying the thickness of oxide and corrosion layers on metals" - R.Spotorno, F.Villa, F.Boragina, C.Criaco, M.Pedemonte, P.Piccardo (Università di Genova - Italy)	Paper 122 - "Evaluation of a novel field Q-PCR platform for the detection of problematic microorganisms in industrial applications" - J.B.Wrangham, H.K.C. de Vries (MICBUSTERS - The Netherlands)	Paper 060 - "Investigation on the electrochemical and mechanical properties of AISi10Mg produced by SLM and pretreated by wide aperture pulsed electron beams" - A.Gaboli, A.L.Huspek, M.Bestetti, Y.H.Akhmadeev, E.A.Petrikova, Y.F.Ivanov, P.V.Moskvin, E.V.Yakovlev, N.N.Koval (Politecnico di Milano - Italy)
14:40-15:05	Paper 038 - "Small scale test matrix and test results" - W.M.Williams (OCAS - Belgium)		Paper 044 - "Optimization of plasma electrolytic oxidation (PEO) of aluminum alloy AA6082 for corrosion resistance" - A.Berardi, F.Ceriani, M.Ormelese, M.Pedeferrì (Politecnico di Milano - Italy)	Paper 089 - "Monitoring of microbial population and corrosion in a volcanic soil impacted by CO2 and H2S emissions" - S.Ravasi, P.Cristiani (RSE - Italy); L.Murachelli (AMEL - Italy); M.Bestetti, A.Vicenzo (Politecnico di Milano - Italy); F.Pittino, G.Caucia (Università di Milano-Bicocca - Italy)	Paper 029 - "Innovative sealing agents for the anodizing process of AISi alloys" - M.A.Abello, V.Mataloni, L.Mezzomo, A.Bonfanti, F.Bertasi (Brembo - Italy)
15:05-15:30	Paper 039 - "Full scale test matrix and test results" - A.Bufalini (RINA-CSM - Italy)	Paper 091 - "Evolution of a solvent-free coatings approach for offshore new construction projects" - J.Azevedo, N.Wilds (Sherwin-Williams - UK)	Paper 097 - "Corrosion rate evaluation and residual life prediction of steel water transmission pipelines" - A.Brenna, M.C.Ben Aneur, S.Beretta, F.Bolzoni, F.Morandi, M.Ormelese (Politecnico di Milano - Italy)	Paper 067 - "Optimizing MIC mitigation in pipeline field lines through targeted biocide injection and adherence to pigging regimes" - N.A.Al Ali (ADNOC - United Arab Emirates)	Paper 130 - "Stress corrosion cracking susceptibility of LPBF manufactured a20x aluminum alloy" - S.Ferrari, L.Nani, D.Asperti, M.Zambelli, M.Cabrini, S.Lorenzi (Università di Bergamo - Italy); M.Lombardi (Politecnico di Torino - Italy)
15:30-15:55	Paper 040 - "ILI test results" - S.Naib (ROSEN, The Netherlands)	Paper 123 - "Impact of glass flake on long term performance of coatings in offshore environments" - D.Ward (International Paint - UK)	Paper 131 - "Biofilm and sunlight effects on the free corrosion potential of AISI 316 stainless steel in natural seawater" - A.Benedetti, F.Cirisano, C.Tomasi, L.Vazquez-Gomez, L.Mattarozzi, F.Castelli (CNR ICMATE - Italy)	Paper 047 - "Sustainable synthesis of metal nanostructures for preventing microbial influenced corrosion" - N.Losada-García, M.C.Vicente, E.R.Silva, BioISI (Faculdade de Ciências de Lisboa, Portugal); N.Noël-Hermes, M.Salta (Endures Den Helder - The Netherlands); A.Koerdt (BAM, Germany)	Paper 042 - "Complex-forming corrosion inhibitors as a viable strategy to reduce stiction in NAO friction materials" - M.Motta, A.Sin, L.Fedrizzi, F.Andreatta (Università di Udine - Italy)



15:55-16:45 Coffee Break - Expo - Poster session					
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	<i>Chair: A.Bufalini - M.Cristea - G.Mannucci</i>	<i>Chair: P.Donelli - R.Malfanti</i>	<i>Chair: F.M.Bolzoni (AIM), A.Gravina (APCE), M.Palombo (IIS)</i>	<i>Chair: E.Croese - P.Cristiani</i>	<i>Chair: F.Bertasi - P.Atz Dick</i>
16:45-17:10	Paper 041 - "Review of overall test results from SafeH2pipe Project and illustration of a first draft of "Guidelines for material selection and qualification for safe transportation of H2-NG mixtures in EU pipelines" - B.Bezensek (SHELL Global Solutions - UK)	Paper 095 - "Significance of fire engineering in intumescent coated steel project" - A.Singh (Jotun - Italy)	Paper 150 - "Design, synthesis and investigation of anti-corrosion properties of sulfonamide linkage triazole compounds" - J.Haque, M.A.Jafar Mazumder (King Fahd University of Petroleum & Minerals - Saudi Arabia)	Paper 128 - "Eco-friendly smart nanoparticles for mitigating marine microbial corrosion" - T.Unsal, D.Bousta, N.C.Balkis, O.Suat Taskin, H.Bekkari, A.Aksu, R.Bilgin (Istanbul University - Turkey)	Paper 158 - "Assessing hardening particles distribution in composite coatings" - M.Rota, C.Carrubba, A.Grigis, A.Bonfanti, A.Mancini (Brembo - Italy)
17:10-17:35	Open discussion and feedback from the audience	Paper 164 - "Threat identification and integrity challenges in emerging pipeline designs for future fuels" - S.Naib, N.Gallon (ROSEN - The Netherlands)	POSTER short presentations	Paper 151 - "Multidisciplinary investigation and mitigation of microbiologically influenced corrosion in an aqueous methanol system" - S.Bourn (Vermilion Energy - Ireland)	Paper 050 - "Monitoring and mitigation of galvanic corrosion in electric vehicle battery enclosures using stainless steels coupled with aluminum alloys and galvanized steels" - L.De Lima E Silva, A.Gaugain, P.E.Leger, S.Saedlou (APERAM Research Center - France)
17:35-18:00	Workshop Closure - Mihaela E. Cristea (TENARIS Dalmine - Italy)	Paper 139 - "Towards the integration of fire resistance and anticorrosion testing of intumescent coatings" - J.R.Canela, J.B.Barra - (CIN Performance Coatings - Portugal)		Paper 166 - "Analysis of internal corrosion phenomena in an oil & gas production vessel: lessons learned and corrosion barrier optimization" - M.De Marco, E.Ferrari, L.Calandriello (Istituto Italiano della Saldatura - Italy)	Paper 023 - "Fatigue behaviour of anodized cast Al-Si alloys under pitting corrosion conditions" - V.Mataloni, L.Mezzomo, M.A.Abello, A.Bonfanti, F.Bertasi (Brembo NV - Italy)
09:30-18:30	Expo				