

CONFERENCE PROGRAM

Sunday - June 9th	15:30-17:00	Room Levante - 2nd Floor General Annual Meeting of AMPP ITALY CHAPTER (reserved to AMPP Italy Chapter Members)
	17:00-18:00	Room Zeffiro - 2nd Floor AMPP European Area Task Force Meeting (reserved to AMPP delegates)
	18:10-18:50	Room Levante - 2nd Floor Plenary Lecture - Amir Eliezer - AMPP Past Immediate Chair - "AMPP generating its future STRONGER TOGETHER"
	19:00-21:00	Exhibition Hall WELCOME COCKTAIL and EXPO GRAND OPENING

POSTER SESSION

Sunday to Tuesday June 9th-11th	<p>F.Ceriani, L.Casanova, A.Brenna, M.Ormellesse - Politecnico di Milano - Italy, "Sealing post-treatments of coatings produced by plasma electrolytic oxidation (PEO) on aluminum 2024"</p>	<p>E.Messinese, M.Ormellesse, A.Brenna - Politecnico di Milano - Italy, "Corrosion rate estimation under sweet corrosion conditions: use of the Tafel-Piontelli model"</p>	<p>B.M.Schallock, M.Gastaldi - Politecnico di Milano - Italy, "Effectiveness of accelerated test methods used to evaluate the resistance to chlorides penetration on coated concrete"</p>	<p>L.Paterlini, G.Re, F.Bolzoni, L.Vergani, M.Ormellesse - Politecnico di Milano - Italy, "Measurement of hydrogen diffusion coefficient in steel by electrochemical permeation methods and its employment in FEM simulations"</p>	<p>E.Grifasi, F.Boragina, C.Criaco, C.Rossi, P.Piccardo, R.Spotorno - Genoa University - Italy, "Correlation between heat treatment, mechanical and corrosion resistance of 3D printed AISI 316L by laser powder bed fusion"</p>	<p>A.Kołkowska, A.Olesiński, A.Maciej, A.Stolarczyk, A.Blacha-Grzechnik, M.Sowa, W.Simka - Gliwice University - Poland, "Corrosion resistance of surface-modified NiTi alloy"</p>
	<p>J.Grzonka, A.Olesiński, P.Chulkin, M.Bik, P.Jeleń, M.Sowa, W.Simka - Silesian University of Technology - Poland, "Post-treatment of plasma electrolytic oxidation coatings on 6061 aluminum alloy promoted by soft sparking"</p>	<p>L.Nani, M.Cabrini, S.Lorenzi, C.Sergi, T.Pastore - Bergamo University - Italy, "Effect of different additive manufacturing techniques on the microstructure and corrosion resistance of Ti-6Al-4V alloy"</p>	<p>M.Ahmad, L.Paglia, F.Marra, V.Genova, G.Pulci - University of Rome - Italy, "High temperature degradation mechanism of gas turbine engine components operating with unconventional fuels"</p>	<p>A.Elghani - De Montfort University - UK, "Reliability of response surface methodology for predicting optimum spot-welding parameters"</p>	<p>F.Catalano, M.Palombo, M.De Marco, M.Mortello, P.Piccardo, R.Spotorno - Genoa University - Italy, "Investigation of electrolytic hydrogen charging on the welding of a Line Pipe Steel API 5L X52 and its impact on fracture toughness using SENT specimens"</p>	

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Monday - June 10th	Room Scirocco & Libeccio - 3rd Floor						
	08:30-08:45	Opening Remarks					
	08:45-09:20	Plenary Lecture - Alan Thomas - AMPP CEO - AMPP Reimagined					
		Rooms - 3rd Floor		Rooms - 2nd Floor		Room - 1st Floor	
		Scirocco	Libeccio	Levante	Ponente	Aliseo	Bora
		Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Applied Research in Academia	CRA & Welding
		Carbon Capture	Sour Service	Onshore	for Renewable Energies		CRA & Welding
		<i>Chair: R.Morana - M.Billingham</i>	<i>Chair: L.Smith - B.Gandolfi</i>	<i>Chair: V.Saviello - I.Magnifico</i>	<i>Chair: C.Vie - M.Malfanti</i>	<i>Chair: F.Bolzoni - S.Martinez</i>	<i>Chair: J.Höwing - M.De Marco</i>
	09:20-09:45	Srdjan Nestic Ohio University Corrosion of Carbon Steel in CO2 Environments		Ugo Marinelli F.M. Engineering Machine learning in corrosion fields	Kristin Leonard AMPP Global Center Chair Quality and the Future of Coatings & Linings	Pascal Collet European Federation of Corrosion EFC - A Federation of opportunities	Roger Francis Nickel Institute Selecting Stainless Steels for industrial processes: the importance of Redox Potential
	09:45-10:10			Round Table Is there an environmental impact of CP? A necessary discussion before standardization		Fabio Bolzoni Politecnico di Milano Edoardo Proverbio Università degli studi di Messina Corrosion education in Italian Universities and scientific societies	
	10:10-10:45	Coffee Break - Exhibit Hall					
	10:45-11:10	M.Billingham, L.Smith - Larkton - UK, "The Carbon Capture challenges - Projects and materials selection impact", Paper No. 019	C.Bosch, T.Haase - Europipe - Germany, "SSC performance of TMCP-based large-diameter pipes in high H2S partial pressure environments", Paper No. 173	M.De Marco, E.Ferrari, E.Adile, F.F.Wu - Istituto Italiano della Saldatura - IIS - Italy, "Internal corrosion damages close to monolithic isolation joints placed above ground in a pig traps", Paper No. 036	M.Harrison, M.Banks, L.Egensperger, E.Bidwell, N.P.Wickramaratne, P.Liu - Sherwin-Williams - UK, "Tank lining challenges for the switch to renewable feedstocks", Paper No. 001	L.Gritti, S.Lorenzi, D.Coffetti, M.Pelucchi, M.Cabrini, T.Pastore - Bergamo University - Italy, "Determination of the concentration of diffusible hydrogen in pipeline steels: comparison between degassing and desorption methods", Paper No. 119	B.S.Vieira, J.Höwing - Alleima - Sweden, "UNS N08935 - Bridging the gap between stainless steels and nickel alloys", Paper No. 002
	11:10-11:35	H.Mahgerefteh, S.Martynov, S.Brown - UCL London - UK, "Impact of CO2 stream impurities on ductile and brittle fractures in CO2 pipelines", Paper No. 077	J.Shimamura, D.Izumi, Y.Matsui, N.Ishikawa, J.Kondo - JFE - Japan, "SSC resistant X65 UOE linepipe for severe sour environment", Paper No. 074	C.Ruppi - Alfa Engineering - Italy, "Calculation of current leakage and capacitive value of dielectric joints", Paper No. 141	K.Blankenship, J.Lawson - Carboline - USA, "Corrosion protection systems to extend service life and reduce embodied carbon of offshore wind towers", Paper No. 047	B.Ter-Ovanessian, S.Marcelin, B.Normand, J.Galipaud, Z.Zhang - Insa-lyo - France, "Electrochemical impedance spectroscopy investigation of the role of alloying elements (Cr, Fe) on the passive film properties of Ni based alloys", Paper No. 081	C.Tigerstrand, S.Hägg Mameng, M.Frigo - Outokumpu - Finland, "Atmospheric corrosion resistance of as-delivered and fabricated duplex stainless steel: results of a field exposure in Italy", Paper No. 015
	11:35-12:00	D.Sandana, I.Lopez, D.Wynne - Rosen - UK, "Management of the cracking threat in CO2 pipelines", Paper No. 112	Y.Nomura, T.Fujishiro, N.Yoshimura, T.Muraki - Nippon Steel - Japan, "Effect of tempering on sour-resistant line pipe with excellent low-temperature toughness", Paper No. 178	M.Hardy - Cathodic Protection - UK, "Specification, design, installation and commissioning of cathodic protection systems for mixed hazardous and non-hazardous locations", Paper No. 061	R.Holliday - PPG - UK, "High pressure hydrogen gas jet fires – Can in intumescent coating withstand the heat and erosive forces involved?", Paper No. 121	S.Lorenzi, T.Persico, D.Asperti, M.Cabrini, F.Brevi, T.Pastore - Bergamo University - Italy, "Corrosion behavior and material qualification pathway of Alloy 625 manufactured by different additive manufacturing technologies", Paper No. 126	M.De Marco, E.Adile - Istituto Italiano della Saldatura - IIS - Italy, "High temperature performance of alloy UNS S30815 welded joints", Paper No. 039
12:00-12:25	A.Gingell, S.Pillot, S.Le Manchet, J-C.Gagnapain - Industeel ArcelorMittal - France, "Materials for carbon capture and storage", Paper No. 182	J.Moloney - ChampionX - USA, "Development of a versatile continuous application based corrosion inhibitor to mitigate top-of-the-line corrosion under both sweet and sour operating conditions", Paper No. 022		H.Duckworth - AkzoNobel - UK, "CSP mitigation against Liquid Hydrogen Exposure", Paper No. 133		J.Höwing, O.Öhlin - Alleima - Sweden, "UNS N08935 as alternative to nickel base alloys in renewable processes", Paper No. 004	
12:25-14:00	Lunch Break - Exhibit Hall						
13:00-15:30	Poster Session Presentation by Authors - Module 5 - Exhibit Hall						

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		Rooms - 3rd Floor		Rooms - 2nd Floor		Room - 1st Floor	
		Scirocco	Libeccio	Levante	Ponente	Aliseo	Bora
Monday - June 10th		Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Applied Research in Academia	CRA & Welding
		Carbon Capture	Sour Service	Offshore	Standards & Qualification		
		<i>Chair: R.Morana - M.Billingham</i>	<i>Chair: L.Smith - B.Gandolfi</i>	<i>Chair: I.Magnifico - V.Saviello</i>	<i>Chair: C.Vie - M.Halliday</i>	<i>Chair: F.Bolzoni - S.Martinez</i>	<i>Chair: J.Höwing - M.De Marco</i>
	14:00-14:25	Marc Wilms Shell International <i>Corrosion concerns in</i> <i>Carbon Capture and Sequestration</i> <i>projects -</i> <i>A call for action</i>	S.Easapour, M.Fouladi - Pars Oil and Gas Company - Iran, "Occurrence of sour TLC in multiphase offshore pipelines - Part 1: Effect of sour TLC on motivating environmental cracking - A case study on recovered pipes", Paper No. 110/A	P.Marcassoli, S.Pighi, M.Poldi, M.Tironi, L.Torri - Cescor - Italy, "FEM and BEM modelling application in cathodic protection design and retrofitting: optimization scenarios", Paper No. 003	F.de Smet, H.de Vries - Montipower - Netherlands, "How to control hexavalent chromium exposure during coating rehabilitation activities, a study into to minimise exposure risks during surface preparation activities", Paper No. 042	L.Casanova, M.Menegazzo, F.Goto, M.Pedefferri, L.Duò, M.Ormellesse, G.Bussetti - Politecnico di Milano - Italy, "Studying the activation of titanium in sulfuric acid by in-situ techniques", Paper No. 014	B.Holmes, D.Holiver, C.Punshon, S.Smart, E.Broughton - TWI - UK, "Corrosion performance of electron beam welded duplex stainless steel", Paper No. 109
	14:25-14:50		M.Fouladi, S.Easapour - Nargan - Iran, "Occurrence of sour TLC in multiphase offshore pipelines - Part 2: Dependency of sour TLC to water condensation rate and temperature - A case study on multiphase offshore pipelines", Paper No. 110/B	L.Cafferata - Polipodio - Italy, "Evolution in the application of the galvanic anodes with the recent regulations and the development of the protective coatings", Paper No. 147	A.M.Dam - Damcoating - Netherlands, "Developments in international standards", Paper No. 073	S.Lorenzi, M.Locatelli, D.Asperti, L.Nani, T.Persico, M.Cabrini, T.Pastore - Bergamo University - Italy, "Intergranular corrosion assessment and stress corrosion cracking susceptibility of high strength aluminium alloys supported by DIC technique", Paper No. 125	S.Rossi, S.M.Leso, M.Calovi, M.Fedel - Trento University - Italy, "Investigation into the corrosion characteristics of stainless steel in the food industry", Paper No. 115
	14:50-15:15	E.Torselletti, A.Canestrari, D.Scarsciafratte, A.Ferrulli, E.Aloigi, A.Di Felice - Saipem - Italy, "CO2 transport through pipelines - A proposed design approach for linepipe sizing requirements", Paper No. 008	L.Torri, P.Policarpo, S.Franci, A.Pontarollo, M.E.Gennario, F.Tedesco, F.Cena - Eni - Italy, "Heavy wall thickness carbon steel pipelines in sour service: performances and characterization in H2S environments", Paper No. 169	Guanjie Liu, Yanqiang Liu - Yuxi - China - "ICCP System Solution for Offshore Platform", Paper No. 188	M.Castano - EniProgetti - Italy, "Qualification approaches for coatings for buried or submerged pipelines used in pipeline transportation systems. Some interesting introductions from ISO 21809 series.", Paper No. 136	F.Ceriani, L.Casanova, A.Brenna, M.Ormellesse - Politecnico di Milano - Italy, "Incorporation of Nano-Particles in Plasma Electrolytic Oxidation (PEO) Coatings Produced on Aluminum Alloys", Paper No. 027	P.Certini, B.Rivolta, R.Gerosa, D.Panzeri, G.Orlandi, S.Emedoli - SMT - Italy, "Influence of the aging treatment on the corrosion and the mechanical properties of conventional and additive manufactured Alloy 625", Paper No. 017
	15:15-15:40	A.Bologna, P.Rigamonti, M.Fortis, A.Gottardi, B.Strauss - Tecma - Italy, "Latest ILI technology enables the utilisation of existing infrastructure to accelerate a CCS project", Paper No. 023	K.Terada, Y.Matsui, H.Imanaka, T.Fujiwara, D.Izumi - JFE - Japan, "Development of non-destructive hardness evaluation technique for surface of TMCP steel plates", Paper No. 056	T.Castillo, J.Warner - Dairyland - USA, "Introduction to DC decouplers", Paper No. 087	F.Castelli, M.Delucchi, F.Valenza, F.Garaventa, M.Faimali, T.Turturro, M.Losurdo, A.Benedetti - CNR - Italy, "How ICCP anodes affect nearby biocide-free foul control paints for ships' hulls", Paper No. 046	S.Nazar, E.Proverbio - University of Messina - Italy, "Numerical modeling of hydrogen induced cracking in hydrogen transportation systems", Paper No. 160	C.Herrera, M.Seifert - Deutsche Edelsahlwerke SpecialtySteel - Germany, "High strength austenitic stainless steels for hydrogen applications at high pressure", Paper No. 135
	15:40-16:05	G.Mannucci, G.Malatesta, L.Mancini, A.Smith, A.Fonzo, S.Olcese, L.Gaggero, F.Fratoni, F.M.Travaglia, S.Groppi, S.Zanzi - Rina-CSM - Italy, "Ravenna CCS project – Repurposing of existing offshore upstream pipelines for CO2 transportation", Paper No. 180	A.Al-Hashem, S.Mukadam - KISR - Kuwait, "Mitigation of corrosion in oil and gas production facilities by corrosion resistant alloys", Paper No. 058	A.Del Moro, U.Marinelli - F.M. Engineering - Italy, "Impact of super-performance coatings on cathodic protection and AC current interference mitigation systems", Paper No. 020	P.Donelli, M.Donelli - Donelli - Italy, "Maintenance of penstock's internal coatings: safety, environmental sustainability and durability improvement, thanks to the automation", Paper No. 057	E.Messinese, M.Ormellesse, A.Brenna - Politecnico di Milano - Italy, "Tafel-Piontelli model for acidic corrosion: theoretical developments and engineering applications on carbon steel exposed to weak acids", Paper No. 054	T.Córdoba, V.Matres, M.de Nicolás-Morillas, L.Segovia, N.Baladés, D.L.Sales, E.Macía - Acerinox - Spain, "Corrosion resistance of 3D arc and wire printed stainless steel components", Paper No. 026
	16:05-16:30	Coffee Break - Exhibit Hall					

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Monday - June 10th	Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Applied Research in Academia	CRA & Welding	
	Carbon Capture	Sour Service	Management of Interference	Application & Maintenance			
	Chair: R.Morana - M.Billingham	Chair: L.Smith - B.Gandolfi	Chair: R.Ballerini - S.Tremolada	Chair: P.Donelli - M.Malfanti	Chair: F.Bolzoni - S.Martinez	Chair: J.Höwing - M.De Marco	
	16:30-16:55	G.Mannucci, G.Malatesta, L.Mancini, A.Smith, A.Fonzo, S.Olcese, F.Fratoni, M.Bronzini, L.Bacchi - Rina-CSM - Italy, "Feasibility assessment for the repurposing of existing onshore pipelines for CO2 transport", Paper No. 152	H.Marchebois, J.P.Blanc, L.Galliot - TotalEnergies - France, "Local Hard Zones on TMCP Large Diameter Line Pipes: How diligent end-users should be to meet sour service resistance of pipelines", Paper No. 186	I.Magnifico - Automa - Italy, "Influence of overprotection on AC corrosion. Analysis of a real case", Paper No. 068	M.Hornig - TIB Chemicals - Germany, "Developing the all-in-one solution – Getting the job done with all easy to use 1:1 polyurethane coating", Paper No. 064	R.Colloca, A.Casavola, M.Forouzanfar, G.Gagliardi, F.Tedesco, T.Giambartolomei, E.Muraca - Techfem - Italy, "Probabilistic approaches for corrosion rate estimation in pipelines: a comparative study and simulation case analysis", Paper No. 100	C.Casu, M.De Marco, M.Auditore - Istituto Italiano della Saldatura - IIS - Italy, "Welding of type AISI 444 and AISI 316L stainless steel for the food industry (FCM): effect of the quality of backing gas on metal migration", Paper No. 163
	16:55-17:20	F.Locati, B.Gandolfi, P.Deodati, N.Fontana - EniProgetti - Italy, "Main challenges for material selection in CCS projects", Paper No. 148	M.Wilms - Shell International H.Marchebois - TotalEnergies Open Discussion Challenges of pipelines in sour service and knowledge gaps	M.Glinka - EMPIT - Germany, "Comparative analysis of CMI and DCVG in corrosion protection for buried pipelines", Paper No. 177	S.Renouard, C.Favennec, F.Guillemot, P.Le Calvé, R.Mascolo, J-M.Quenez, H.Vincent - AMBPR - France, "Anticorrosion for ship maintenance enters a new era with the advent of automation", Paper No. 105	M.Fedel, A.Cristoforetti, S.Rossi, F.Deflorian - Trento University - Italy, "Investigation into filiform corrosion evolution on painted carbon steel under different aging conditions", Paper No. 116	O.Öhlin, D.Gullberg - Alleima - Sweden, "Corrosion properties of the recently developed super duplex stainless steel UNS S83071", Paper No. 164
	17:20-17:45	H.Sonke, Y.Zheng - Shell - Netherlands, "CO2 transport and injection, effect of impurities, understanding of reactions and consequences", Paper No. 010	M.Kirschner, T.Auinger, S.Hinz - Voestalpine - Austria, "Alternative CRA solutions for clad line pipe", Paper No. 018	L.Spisni - Inrete Distribuzione Energia - Italy, "Commissioning of a cathodic protection system of an existing gas distribution network - Interesting findings and energy efficiency approach", Paper No. 071	P.de Bonnafos - Trenton - France, "Evaluation of Wax based tape coating exposed to atmospheric condition for more than 20 years", Paper No. 151	H.Moradi, G.Grifò, G.Consolo, F.Milazzo, E.Proverbio - University of Messina - Italy, "Numerical investigations on localized corrosion from single and multiple pits in fuel tanks", Paper No. 159	V.Dreilich, S.Souto Maior Tavares, A.Rocha Pimenta - DNV - Brasil, "Hydrogen impact on fracture toughness in a superduplex stainless steel flange for subsea use", Paper No. 167
17:45-18:10	A.Smith, L.Intiso, G.Mannucci - Rina-CSM - Italy, "Hydrogen embrittlement in CCS pipelines: is it a concern?", Paper No. 124	V.Dreilich, T.Hofman, J.Vera, I.Palmieri, F.dos Santos, Z.Panossian, J.Alejandro - DNV - Brasil, "Challenges of testing CO2 stress corrosion cracking in small scale", Paper No. 137	T.Castillo, J.Warner, J.Sebila - Dairyland - USA, "AC mitigation and cathodic protection: how decouplers make a difference", Paper No. 088	L.Comel - G.M.A. - Italy, "Coating systems to optimize durability and energy efficiency of heat exchangers", Paper No. 175	M.Delucchi, A.Lagazzo, A.Mangolini, G.Innocenti, A.Bottaro - University of Genoa - Italy, "An attempt to produce liquid infused surfaces starting from organic coatings filled with zeolites", Paper No. 165	K.Picker - Alleima - USA, "Sulfide stress corrosion cracking evaluation of cold worked Duplex Stainless Steel 2205 and 2507", Paper No. 184	
09:30-19:00	Exhibit Hall EXPO						
20:00	Villa dello Zerbino - Gala Dinner						

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	Rooms - 3rd Floor		Rooms - 2nd Floor			Room - 1st Floor
	Scirocco	Libeccio	Levante	Ponente	Aliseo	Bora
Tuesday - June 11th		Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Corrosion Inhibitors & Monitoring
		Carbon Capture	Hydrogen Service	Looking to the future	Corrosion Under Insulation	
		<i>Chair: R.Morana - M.Billingham</i>	<i>Chair: L.Bacchi - G.Mannucci</i>	<i>Chair: S.Tremolada - P.Marcassoli</i>	<i>Chair: N.Wilds - C.Vie</i>	
	08:30-08:55	I.Ali, R.Morana and S.Hassani - BP - UK, "Setting CO2 specifications to safeguard mechanical integrity for different modes of CO2 transport", Paper No. 079	N.Gallon EPRG - Germany <i>EPRG hydrogen pipelines integrity management and repurposing guideline white paper</i>	T.Bellezze, P.Forcellese, G.Giuliani - Ancona University - Italy, "Study of cathodic protection inside domestic boilers to produce hot water", Paper No. 093	J.Tacq - Sirris - Belgium, "Corrosion Under Insulation – Controlled testing of sensors for CUI monitoring and development of a methodology for CUI coating life evaluation", Paper No. 050	Frank Hornsby Cormetrics 2 - Canada <i>Pipeline corrosion inhibitor basic principles</i>
	08:55-09:20	B.H.Morland, G.Svenningsen, H.Sonke - IFE - Norway, "Comparing impurity concentrations effect of both liquid and gas CO2 transport ", Paper No. 051	C.Vailati, V.Colombo, G.Re - Cescor - Italy, "Sour environment and high-pressure hydrogen: comparison of design regulations", Paper No. 030	I.Magnifico - Automa - Italy, "Deep optimization for Cathodic Protection: advanced technology for T/Rs output current optimization", Paper No. 067	D.Warren, S.Bhat - International Paint - UK, "A critical comparison of epoxy phenolic and alkylated amine epoxy technology for CUI service", Paper No. 134	E.Petteruti, U.Ciardi - Chimec - Italy, "Enhancing deepwater asset integrity: an integrated chemical strategy for corrosion inhibition in challenging environments", Paper No. 009
	09:20-09:45	R.Francis - Nickel Institute - UK, "The use of Nickel-containing alloys in CCUS applications", Paper No. 006	M.Hoeving, M.Baumeister - Rosen - UK, "Inline inspection in future fuel pipelines", Paper No. 172	M.Barrett, W.Maize, T.da Costa - Mobiltex - Canada, "Applying machine learning to predict behavior and consumption rates of ICCP groundbeds", Paper No. 111	A.Rahman - Aspen Aerogels - UK, "Keep it dry, prevent CUI", Paper No. 059	I.R.Boršić, I.Stojanović, V.Alar, B.A.Mikišić - Cortec Corporation Europe - Croatia, "VpCl for multimetal protection in heating systems", Paper No. 132
09:45-10:10	K.Kanki, M.Seo, H.Amaya - Nippon Steel - Japan, "Corrosion resistance of CRA materials for CCS application with supercritical CO2 containing slight amount of O2 and SO2", Paper No. 032	D.Scarsciafratte, E.Torselletti, A.Santicchia, S.Terracina, E.Aloigi - Saipem - Italy, "H2 transport through pipelines - A proposed fracture mechanics approach for pipeline design and linepipe requirements", Paper No. 007	C.Baete, K.Parker, Y.Li, V.Chum - Elsyca - USA, "Optimizing In-Line inspection frequency through digital twin implementation", Paper No. 187	N.Wilds - Sherwin-Williams - UK, "Breaking the boundaries of CUI coatings", Paper No. 011	S.Apuy - Emerson - UK, "Integrating real time corrosion measurements with process data to enhance safety, reliability and profitability in refineries", Paper No. 049	
10:10-10:40	Coffee Break - Exhibit Hall					

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	Scirocco	Libeccio	Levante	Ponente	Aliseo	Bora		
Tuesday - June 11th	Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Corrosion Inhibitors & Monitoring	Durability of Reinforced Concrete		
	Carbon Capture	Hydrogen Service	Commissioning & Monitoring	Corrosion Under Insulation	Chair: I.Borsic - E.Bloomfield	Chair: M.Gastaldi - F.Lollini		
	Chair: R.Morana - M.Billingham		Chair: L.Bacchi - G.Mannucci		Chair: P.Marcassoli - R.Ballerini		Chair: N.Wilds - C.Vie	
	10:40-11:05	V.Scheiber, G.Néel, C.Millet - Vallourec - France, "The impact of O2 as a gas impurity on the corrosion resistance of a CRA material in a supercritical CO2-saturated aqueous environment", Paper No. 078	D.Quintiliani, G.Doni, B.Aydin, F.Fusari - Walter Tosto - Italy, "Material evaluation for hydrogen storage vessels", Paper No. 086	D.Bufaloni, L.Mambelli - Saipem - Italy, "Empiric method to identify a/g isolation kit failure in plant piping", Paper No. 106	D.Morton - Hempel - Denmark, "Advanced insulation coating system as a viable alternative to conventional thermal insulation that can eliminate corrosion under insulation (CUI)", Paper No. 024	E.Bloomfield, R.Lefebvre, Y.Jacob, M.Golfier, V.Gaillard - Vermilion Energy - Netherlands, "Case Studies: Corrosion Coupons and Probes in Upstream Oil Fields for Optimizing Corrosion Inhibitor Dosage", Paper No. 153	Michael Raupach Aachen University <i>Corrosion behaviour of steel in low carbon concretes</i>	
	11:05-11:30	S.Zhou, S.Kairy, A.Turnbull, G.Hinds - NPL - UK, "Towards a standard test method for measurement of corrosion rate of pipeline steel in dense phase CO2", Paper No. 155	M.Palombo, Y.Kojima, A.Civati, M.Borile - Istituto Italiano della Saldatura - IIS - Italy, "Development of transducers for hydrogen service up to 1500 bar", Paper No. 143	I.Magnifico, L.Spisi - Automa - Italy, "100 mV shift criterion application in a Gas Distribution Network by means of coupon", Paper No. 066	S.J.Kaspersen - Jotun - Norway, "How to test coating systems for CUI conditions", Paper No. 113	R.Dones - Tesi Group - Italy, "Marine piling protection", Paper No. 012		
	11:30-11:55	L.Intiso, E.Imbimbo, F.Sammartino, G.Mortali - Rina-CSM - Italy, "Towards a sustainable society - Challenges on corrosion testing for CCS applications", Paper No. 142	R.Bruschi, F.Alessandri, R.Moslemian, A.Ruoti - DNV - Italy, "Meeting the challenges of hydrogen repurposing of offshore natural gas pipelines", Paper No. 170	A.Brenna, S.Beretta, M.Ormellese, F.Martini, A.Nandi, M.Venere - Politecnico di Milano - Italy, "Design and testing of a solid backfill of potential probes for cathodic protection monitoring in soil", Paper No. 029	T.Van Hoestenbergh, T.Van Caelenberghe - Fluves - Belgium, "Fiber optics technology as a predictive maintenance tool in the battle against CUI", Paper No. 107	P.Le Calvé, E.Parizot - Anticorr Conseil - France, "Risk assessment and optimization of corrosion maintenance", Paper No. 033	F.Lollini, M.Carsana, A.Filippi, N.Russo, E.Redaeli - Politecnico di Milano - Italy, "Corrosion behaviour of reinforcement in RAP concrete exposed to chloride environment", Paper No. 091	
	11:55-12:20	A.Dugstad, B.H.Morland - IFE - Norway, "Corrosion rate of carbon steel exposed under stagnant conditions at 1-100 bar CO2 partial pressure", Paper No. 102	P.Bortot, M.Ortolani, M.Bellingardi - Tenaris - Italy, "Fracture toughness of high strength ferritic steel welds in hydrogen service", Paper No. 083	I.Kinnear - GPT Industries - USA, "Troubleshooting flange isolation & benefits of remote asset integrity monitoring", Paper No. 144		I.Murray, J.Sutherland, S.Clouston, S.Farnie, A.Tindall - Baker Hughes - UK, "Addressing complex and axially aligned corrosion with MFL technologies and benefits of tri-axial methods", Paper No. 140	N.Russo, F.Lollini, E.Redaeli - Politecnico di Milano - Italy, "Propagation time of carbon steel bars in carbonated concrete made with different binders", Paper No. 092	
	12:20-12:45	B.H.Morland, A.Dugstad - IFE - Norway, "Electrochemical measurement in dense phase CO2 for commissioning and upset condition", Paper No. 052	A.Santicchia, L.Asaro, G.Gargano, E.Torselletti, D.Scarsciafratte, E.Aloigi, G.Arcangeletti - Saipem - Italy, "H2 transport through pipelines – A reliable test protocol for pipeline material, welds and coating to assess the suitability of existing coated pipelines and to select the proper materials/coating for new pipelines", Paper No. 063	C.Lorences - IGP - Argentina, "It is increasingly common that oil, gas and mining companies cannot justify spending on direct studies", Paper No. 185		M.Laichoubi, H.Kella Bennani, H.Miaohang, F.Stasse, J.Hart, A.Fathi - Skipper NDT - France, "Novel non-contact, drone-based technology for pipeline movement assessment", Paper No. 174	D.Garcia, S.Deharo, R.François - Bluespine - France, "Estimating service life of reinforced concrete structures exposed to various chloride environments through calculation of corrosion initiation period", Paper No. 150	
12:45-14:00	Lunch Break - Exhibit Hall							

CONFERENCE PROGRAM

		Rooms - 3rd Floor		Rooms - 2nd Floor			Room - 1st Floor
		Scirocco	Libeccio	Levante	Ponente	Aliseo	Bora
		Energy Transition	Energy Transition	Energy Transition	Microbiologically Influenced Corrosion	Automotive Industry	Durability of Reinforced Concrete
		AMPP SC 26 Meeting	Hydrogen Service	Renewable Energy			
		Chair: H.Sonke - M.Achour	Chair: M.Palombo - L.Bacchi	Chair: S.Le Manchet	Chair: E.Croese - P.Cristiani	Chair: F.Bertasi	Chair: M.Gastaldi - F.Lollini
Tuesday - June 11th	14:00-14:25	AMPP Standards Committee SC 26 Carbon Capture, Alternative Fuels and Energy Storage	S.Cornu, W.Vos - NDT Global - Germany, "H2 Pipeline: An ILI perspective to mitigate new threat", Paper No. 080	Tom Eriksson Alleima <i>Materials in a sustainable future</i>	P. Cristiani - RSE E.Croese - Microbianalysis <i>Introduction to MIC</i>	Giancarlo Marchiaro Centro Ricerche Fiat Stellantis <i>A strategy for preventing corrosion Requirements and testing</i>	G.Di Pace, R.Torrent - Materials Advanced Services - Argentina, "Service life of reinforced concrete structures in marine environments using non-destructive site methods", Paper No. 048
	14:25-14:50		G.Mannucci, B.Bezensek, O.Huising, L.Bacchi, P.Roovers, C.M.Spinelli, E.Bertelli, I.Di Vito, M.Di Biagio, A.Fonzo - EPRG - Germany, "EPRG full scale fatigue crack growth testing on linepipe materials in gaseous hydrogen", Paper No. 146	B.Buhr - European Energy - UK, "How do you take sustainability into account during design?", Paper No. 104	Elisa Ferrari Istituto Italiano della Saldatura <i>Biotic or Abiotic? Starting from MIC analysis in localized corrosion events failure analysis</i>	M.Daga, M.A.Abello, L.Mezzomo, A.Bonfanti, F.Bertasi - Brembo - Italy, "Influence of Iron and Manganese impurities on the corrosion resistance and anodizability of recycled Aluminum alloys", Paper No. 072	M.Gastaldi, B.Schallock - Politecnico di Milano - Italy, "Monitoring of reinforcement corrosion for maintenance of reinforced concrete structures – The case of San Siro Stadium in Milano", Paper No. 095
	14:50-15:15		E.Wanzenberg, S.Höhler, C.Bosch, H.Brauer, D.Mirkovic, E.Muthmann - Saltzmitter Mannesmann Forshung - Germany, "Mechanical testing of line pipe steels in hydrogen atmosphere", Paper No. 060	G.Gabetta - Consultant - Italy, "Update on corrosion in biorefining", Paper No. 183	R.Homan, E.Croese, S.Jansen, J.Gerritsen - Microbial Analysis - Netherlands, "Activity of Microbiologically Influenced Corrosion in offshore wind industry – A case study", Paper No. 069	M.Motta, V.Iodice, Agusti Sin, A.Truccolo, L.Fedrizzi, F.Andreatta - Udine University - Italy, "Study of the role of metals in stiction phenomenon of braking systems for automotive use", Paper No. 044	F.Torabian Isfahani, N.Valiante, F.Lazzarin, C.Beltrami, F.Lollini, E.Redaeli - Lombardi Ingegneria - Italy, "Numerical simulation for the durability assessment of a mechanical system partially embedded in concrete", Paper No. 139
	15:15-15:40		A.Pagliuca, E.Imbimbo, A.Donato, L.Intiso - Baker Hughes - Italy, "Slow strain rate test methodology to evaluate the temperature effect in hydrogen embrittlement environment", Paper No. 089	C.Baccarini, M.Pesce - Istituto Italiano della Saldatura - IIS - Italy, "Co-processing: new alternatives", Paper No. 138	N.Hermes, A.Dhont, M.Salta, J.De Strycker - Endures - Netherlands, "Failure analysis of microbiologically influenced corrosion (MIC) in industrial water distribution systems", Paper No. 075	M.Yasir - Forvia - Germany, "Challenges & opportunities with metallic materials in hydrogen technologies", Paper No. 117	A.Cheaitani, S.Cheyhani, M.Cheyhani - Remediatechnology - Australia, "The latest innovations associated with impressed current concrete cathodic protection systems", Paper No. 038
	15:40-16:20		Coffee Break - Exhibit Hall				

CONFERENCE PROGRAM

CONFERENCE PROGRAM							
	Rooms - 3rd Floor			Rooms - 2nd Floor		Room - 1st Floor	
	Scirocco	Libeccio	Levante	Ponente	Aliseo	Bora	
Tuesday - June 11th		Failure Case Studies	Energy Transition Hydrogen Service	Energy Transition Renewable Energy	Microbiologically Influenced Corrosion	Automotive Industry	Durability of Reinforced Concrete
		<i>Chair: P.Dent - I.Giroletti</i>	<i>Chair: G.Mannucci - L.Bacchi</i>	<i>Chair: S.Le Manchet</i>	<i>Chair: E.Croese - P.Cristiani</i>	<i>Chair: F.Bertasi</i>	<i>Chair: M.Gastaldi - F.Lollini</i>
	16:20-16:45	M.De Marco, E.Ferrari, L.Calandriello - Istituto Italiano della Saldatura - IIS - Italy, "Premature corrosion of a Titanium Graphite component in organic acid environment", Paper No. 037	L.Paterlini, G.Re, L.Vergani, M.Ormellese Politecnico di Milano - Italy, "Hydrogen embrittlement of a low alloy steel electrochemically charged", Paper No. 097	S.Cissé, S.Le Manchet, E.Robin, F.Novello, M.Borges - Industeel ArcelorMittal - France, "High temperature corrosion resistance of heat resistant stainless steels in simulated waste incineration conditions", Paper No. 005	L.Murachelli, A.Vicenzo, M.Bestetti, P.Cristiani - Politecnico di Milano - Italy, "Monitoring of microbial corrosion in soil by means of an advanced multiparametric probe", Paper No. 129	R.Valentini, S.Corsinovi, M.Mastroianni - Pisa University - Italy, "Hydrogen Embrittlement Risk Investigation on High Strength Steel Fasteners", Paper No. 162	G.Sergi, P.McCloskey, D.Simpson - Vector Corrosion - UK, "Long-term performance of galvanic anodes for steel reinforced concrete", Paper No. 065
	16:45-17:10	T.Kamshad, A.Al Dandan, M.Sabesan, A.Al Demerdash, D.Kellow - Chevron - Kuwait, "The selection and modification of piping materials in a bulk chemical handling facility in Wafra joint operation (case history)", Paper No. 094	L.Bacchi, R.Valentini, F.Biagini - Letomec Italy, "Hydrogen embrittlement preliminary laboratory characterization on API X52 for hydrogen service", Paper No. 090	M.Attarchi, J.L.Madsen - Vattenfall - Germany, "Analyzing the design assumptions in retrofitting the internal corrosion protection of wind turbine monopile foundations in seawater", Paper No. 082	P.Cristiani, E.Cazzulani, G.Ghiara, A.Franzetti, G.L.Chiarello - RSE - Italy, "Microbial fingerprint of corrosion in copper and steel alloys under varying treatments in enriched hydrogenotrophic media", Paper No. 035	N.Nocera, C.Carrubba, F.Bertasi, A.Bonfanti, A.Mancini - Brembo - Italy, "Development and optimization of an analytical protocol for the characterization of micrometric sol-gel coatings", Paper No. 041	H.Beirami, M.Sem, S.Ambrosi, F.Laino - Mapei - Italy, "Cathodic protection of reinforced concrete bridges using adhesive Zinc sheet anodes", Paper No. 108
	17:10-17:35	M.Harris - Petronas - Malaysia, "Failure analysis of radiant tube in ethylene furnace", Paper No. 025	M.Rhode, S.Kaiser, K.Erxleben, T.Kannengiesser - BAM - Germany, "Challenges in repair welding of in-service hydrogen pipelines", Paper No. 176	C.Mingazzini, E.Muraca, A.Pierro, L.Mendicino, T.Giambartolomei - ENEA - Italy, "Maintenance protocols for recently developed, more sustainable, off-shore composite wind blades", Paper No. 099	A.Benedetti, M.J.F.Marques, F.Castelli, M.Delucchi, M.Faimali, S.Delsante, F.Valenza, F.Garaventa, G.Pavanello, R.Basseguy - CNR - Italy, "The corrosion behavior of 5083 aluminium-magnesium alloy in natural seawater: effects of the biological activity", Paper No. 045	M.Bestetti, A.L.Huspek, V.Mataloni, Yu.H.Akhmadeev, E.A.Petrikova, F.Ivanov, P.V.Moskvin, N.N.Koval - Politecnico di Milano - Italy, "Anodic oxidation of aluminium-silicon alloys pretreated by pulsed electron beams", Paper No. 161	T.Male, G.Sergi - Vector Corrosion - UK, "The use of galvanic surface anodes for the protection of steel reinforced concrete", Paper No. 085
	17:35-18:00	A.Scatena - Pontlab - Italy, "Failure analysis of a hot stove", Paper No. 130	T.Fujishiro, K.Hani, Y.Tomio, T.Muraki, T.Hara - Nippon Steel - Japan, "Hydrogen absorption in pre-strained steel and fracture toughness values of hydrogen gas line pipe", Paper No. 179	I.Zuazo, S.Pillot, S.Le Manchet - Industeel ArcelorMittal - France, "Steels for the global energy transition", Paper No. 128	T.Unsal, S.Yucel, N.Caglar Balkis, A.Aksu, O.S.Taskin, M.E.Cetintasoglu, I.R.Bilgin, N.Korkmaz, E.Balcioglu Ilhan, D.O.Rabba - Istanbul University - Turkey, "What is happening on Mars?", Paper No. 101	F.Bertasi, M.A.Abello, M.Daga, L.Mezzomo, A.Bonfanti - Brembo - Italy, "Anodizability and corrosion resistance of Aluminum alloys for automotive applications", Paper No. 031	S.Deharo, D.Garcia, R.François - Bluespine - France, "Enhanced cathodic protection depth through the combination of discrete anodes and electroconductive coating in reinforced concrete", Paper No. 149
	18:00-18:25	I.Giroletti, M.de Marco - Omeco - Italy, "Failure of a district heating water tank investigated with non-destructive techniques", Paper No. 154	M.Palombo, F.A.Recanzone, D.Morando, I.Milano, F.Catalano, M.De Marco - Istituto Italiano della Saldatura - IIS - Italy, "Exploring the suitability of a vintage linepipe steel for hydrogen service in wide range of working pressures", Paper No. 084				
18:25-19:30	Closing Remarks and Farewell Cocktail - Exhibit Hall						
09:30-19:30	Exhibit Hall EXPO						