

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 Chair - <i>"AMPP generating its future STRONGER TOGETHER"</i>
	19:00-21:00	Exhibition Hall WELCOME COCKTAIL and EXPO GRAND OPENING

CONFERENCE PROGRAM

Monday - June 10th

Room Scirocco & Libeccio - 3rd Floor						
Opening Remarks						
08:30-08:45						
08:45-09:20						
Plenary Lecture - Alan Thomas - AMPP CEO - <i>AMPP Reimagined</i>						
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			
Chair: R.Morana - M.Billingham		Chair: L.Smith - B.Gandolfi		Chair: V.Saviello - R.Ballerini		Chair: C.Vie - M.Malfanti
Chair: F.Bolzoni - S.Martinez		Chair: B.Ghai - M.De Marco				
09:20-09:45	Srdjan Nestic Ohio University <i>Corrosion of Carbon Steel in CO2 Environments</i>		Roberto Ballerini APCE Ivano Magnifico Automa <i>AMPP and ISO standards evolution</i>	Pascal Collet European Federation of Corrosion <i>EFC - A Federation of opportunities</i>		Roger Francis Nickel Institute <i>Selecting Stainless Steels for industrial processes: the importance of Redox Potential</i>
09:45-10:10			Ugo Marinelli F.M. Engineering <i>Machine learning in corrosion fields</i>			
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 - Europipe - Germany, "SSC Performance of TMCP-based Large-Diameter Pipes in High H2S Partial Pressure Environments", Paper No. 173	M.De Marco, E.Ferrari., 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 - 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 - Alleima - Sweden, "UNS N08935 - Bridging the gap between stainless steels and nickel alloys", Paper No. 002
11:10-11:35	H.Mahgerefteh, R.Talemi, S.Martyno, T.Xu - UCL London - UK, "Brittle fracture propagation in CO2 pipelines: impact of stream impurities", Paper No. 077	J.Shimamura, D.Izumi, S.Takagi, 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	A.Rahma - National Institute of Technology Srinagar - India, "Study of high temperature oxidation behaviour of nanostructured Co-Al and Cr/Co-Al coatings on superni-718 substrate in adverse environment", Paper No. 013	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	S.Javia - Matcor - USA, "Above ground storage tank – Case study of a linear anode based cathodic protection system on new and existing tank.", Paper No. 158	R.Holliday - PPG - UK, "High pressure hydrogen gas jet fires – Can in intumescent coating withstand the heat and erosive forces involved?", Paper No. 121	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	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 - Industeel ArcelorMittal - France, "Materials for carbon capture utilization and storage", Paper No. 182	J.Moloney - ChampionX - USA, "Top-of-the-line continuous corrosion inhibitor development for carbon steel pipelines", Paper No. 022	M.Hardy - Cathodic Protection - UK, "Specification, design, installation and commissioning of cathodic protection systems for mixed hazardous and non-hazardous locations", Paper No. 061	H.Duckworth, R.Wade - AkzoNobel - UK, "With the drive for new energy sources Intensifying, can the risks posed by liquid hydrogen release be mitigated by cryogenic spill protection (CSP) systems typically used for LNG industry?", Paper No. 133	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	J.Höwing - 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	
	Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Applied Research in Academia	CRA & Welding	
	Carbon Capture	Sour Service	Offshore	Standards & Qualification			
	Chair: R.Morana - M.Billingham	Chair: L.Smith - B.Gandolfi	Chair: I.Magnifico - V.Saviello	Chair: C.Vie - M.Halliday	Chair: F.Bolzoni - S.Martinez	Chair: B.Ghai - M.De Marco	
Monday - June 10th	14:00-14:25	Marc Wilms Shell International <i>Corrosion concerns in Carbon Capture and Sequestration projects - 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, regulatory frameworks versus field surveys", Paper No. 042	L.Casanova, M.Menegazzo, F.Goto, M.Pedefferri, L.Duò, M.Ormellese, 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, S.Metalcraft, 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 galvanic anode 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, M.E.Gennario, A.Pontarollo, F.Cena - Eni - Italy, "Heavy wall thickness carbon steel pipelines in sour service: performances and characterization in H2S environments", Paper No. 169	V.Genco, G.Martinelli - ICP Foundry - Italy, "Manufacturing of bracelet sacrificial anodes for marine applications", Paper No. 034	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.Ormellese - 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 ILL 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 - 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	M.Wilms - Shell International - Netherlands, "Novel cracking mechanism on quenched & tempered carbon steel line pipe exposed to sour service", Paper No. 156	U.Marinelli, A.Del Moro - 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, "Penstock maintenance and rehabilitation - How automation can improve safety, sustainability and durability of the internal coating/lining", Paper No. 057	E.Messinese, M.Ormellese, 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	
16:05-16:30	Coffee Break - Exhibit Hall						

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		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	Management of Interference	Application & Maintenance		
		<i>Chair: R.Morana - M.Billingham</i>	<i>Chair: L.Smith - B.Gandolfi</i>	<i>Chair: R.Ballerini - S.Tremolada</i>	<i>Chair: P.Donelli - M.Malfanti</i>	<i>Chair: F.Bolzoni - S.Martinez</i>	<i>Chair: B.Ghai - M.De Marco</i>
Monday - June 10th	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 pipelines for CO2 transport", Paper No. 152	H.Marchebois, J.P.Blanc, L.Galliot - Total Energies - 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	T.Giambartolomei, 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	Muhammad Usman Asghar - KBR - Saudi Arabia, "Robust Material Selection Considering varied Operational Scenarios", Paper No. 043
	16:55-17:20	F.Locati, B.Gandolfi, P.Deodati, N.Fontana - EniProgetti - Italy, "Main challenges for material selection for CCS projects", Paper No. 148	S.Mukadam, A.Al-Hashem - KISR - Kuwait, "Mitigation of corrosion in oil and gas production facilities by Corrosion Resistant Alloys", Paper No. 058	M.Glinka - EMPIT - Germany, "Comparative analysis of CMI and DCVG in corrosion protection for buried pipelines", Paper No. 177	C.Favennec, F.Guillemot, P.Le Calvé, R.Mascolo, J-M.Quenez, S.Renouard, H.Vincent - AMBPR - France, "Anticorrosion for ship maintenance enters a new era with the advent of automation", Paper No. 105	M.Fedel, S.Rossi, F.Deflorian - Trento University - Italy, "Investigation into filiform corrosion evolution on painted carbon steel under different aging conditions", Paper No. 116	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
	17:20-17:45	J.Sonke, Y.Zheng - Shell - Netherlands, "CO2 transport and injection, effect of impurities, understanding of reactions and consequences (C2023-18756)", Paper No. 010	M.Kirschner, T.Auinger - 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	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 (MOCA): effect of the quality of backing gas on metal migration", Paper No. 163
	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, J.Adailson, Z.Panosian, J.Alejandro - DNV - Brasil, "Challenges of testing CO2 stress corrosion cracking in small scale", Paper No. 137	T.Castillo - 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	O.Öhlin, D.Gullberg - Alleima - Sweden, "Corrosion properties of the recently developed Super Duplex Stainless Steel UNS S83071", Paper No. 164
	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	
	Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Corrosion Inhibitors & Monitoring	CRA & Welding	
	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>	<i>Chair: I.Borsic - E.Bloomfield</i>	<i>Chair: B.Ghai - M.De Marco</i>	
Tuesday - June 11th	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>	K.Picker - Alleima - USA, "Evaluation of the Stress Distribution and the Impact on Corrosion Properties of U-Bends in Different Materials Commonly used in Petroleum Refineries. ", Paper No. 168
	08:55-09:20	B.H.Morland, G.Svennings, H.Sonke - IFE Norway, "Comparing impurity concentrations effect of both liquid and gas CO2 transport ", Paper No. 051	V.Colombo, C.Vailati, 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	S.Bhat, D.Warren - AkzoNobel - 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	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
	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, A.Shaw - Aspen Aerogels - UK, "Keep it dry to prevent CUI", Paper No. 059	I.R. Boršič, I.Stojanović, M.Kurtela, V.Alar, B.A.Mikšić - Cortec Corporation Europe - Croatia, "VpCI for multimetals protection in heating systems", Paper No. 132	S.McCoy, B.A.Baker - Special Metals - USA, "The effects of industrial gases used in low emission energy processes upon the corrosion performance of nickel-base alloys", Paper No. 166
	09:45-10:10	Ky.Kanki, N.Komatsubara, 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, T.Johnston - 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	K.Picker - Alleima - USA, "Sulfide Stress Corrosion Cracking evaluation of cold worked Duplex Stainless Steel 2205 and 2507 heat exchanger tubes.", Paper No. 184
	10:10-10:40	Coffee Break - Exhibit Hall					

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	Scirocco	Libeccio	Levante	Ponente	Aliseo	Bora	
	Energy Transition	Energy Transition	Cathodic Protection	Coating & Linings	Corrosion Inhibitors & Monitoring	Durability of Reinforced Concrete	
	Carbon Capture	Hydrogen Service	Commissioning & Monitoring	Corrosion Under Insulation			
	<i>Chair: R.Morana - M.Billingham</i>	<i>Chair: L.Bacchi - G.Mannucci</i>	<i>Chair: P.Marcassoli - S.Tremolada</i>	<i>Chair: N.Wilds - C.Vie</i>	<i>Chair: I.Borsic - E.Bloomfield</i>	<i>Chair: M.Gastaldi - F.Lollini</i>	
Tuesday - June 11th	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 high-pressure high-capacity hydrogen storage tanks", 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.Spisni - 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.Ormelese, 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 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 Monitoring", Paper No. 144	Microbiologically Influenced Corrosion <i>Chair: E.Croese - P.Cristiani</i> P. Cristiani - RSE E.Croese - Microbialanalysis <i>Introduction to MIC</i>	M.Laichoubi, H.Kella Bennani, H.Miaohang, F.Stasse, J.Hart, A.Fathi - Skipper NDT - France, "Novel cost-efficient drone-based technology for pipeline movement assessment", Paper No. 174	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	L.Asaro, A.Santicchia, G.Gargano, E.Torselletti, D.Scarsciafratte, E.Aloigi, G.Arcangeletti - Saipem - Italy, "H2 transport through pipelines – Assess 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	Elisa Ferrari Istituto Italiano della Saldatura - IIS <i>Biotic or Abiotic? Starting from MIC analysis in localized corrosion events failure analysis</i>	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	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					

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	Rooms - 3rd Floor		Rooms - 2nd Floor			Room - 1st Floor	
	<i>Scirocco</i>	<i>Libeccio</i>	<i>Levante</i>	<i>Ponente</i>	<i>Aliseo</i>	<i>Bora</i>	
	Energy Transition Renewable Energy <i>Chair: S.Le Manchet</i>	Energy Transition Hydrogen Service <i>Chair: G.Mannucci - M.Palombo</i>	Failure Case Studies <i>Chair: P.Dent - I.Giroletti</i>	Microbiologically Influenced Corrosion <i>Chair: E.Croese - P.Cristiani</i>	Automotive Industry <i>Chair: F.Bertasi</i>	Durability of Reinforced Concrete <i>Chair: M.Gastaldi - F.Lollini</i>	
Tuesday - June 11th	14:00-14:25	Tom Eriksson Alleima <i>Materials in a sustainable future</i>	S.Cornu - NDT Global - Germany, "H2 Pipeline: An ILI perspective to mitigate new threat", Paper No. 080	S.E.Ibrahim - Robert Gordon University - UK, "Failure analysis of a failed heat exchanger tube bundle in a hydrocracker unit", Paper No. 076	C.A.Di Iorio, S.Franci, R.Bontrager, F.Pitzalis - Eni - Italy, "Microbiologically Influenced Corrosion: A holistic approach for better MIC management – A case study", Paper No. 053	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	B.Buhr - European Energy - UK, "How do you take sustainability into account during design?", Paper No. 104	O.Huising, B.Bezensek, L.Bacchi, P.Roovers, C.M.Spinelli, E.Bertelli, I.Di Vito, M.Di Biagio, A.Fonzo, G.Mannucci - EPRG - Germany, "EPRG full scale fatigue crack growth testing on linepipe materials in gaseous hydrogen", Paper No. 146	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	E.Croese, R.Homan, S.Jansen, J.Gerritse - Microbial Analysis - Netherlands, "Activity of Microbiologically Influenced Corrosion in offshore wind industry – A case study", Paper No. 069	M.Daga, M.A.Abello, A.Bonfanti, F.Bertasi - Brembo - Italy, "Influence of Iron and Manganese 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	C.Baccarini, M.Pesce - Istituto Italiano della Saldatura - IIS - Italy, "Co-processing: new alternatives", Paper No. 138	E.Wanzenberg, S.Höhler, C.Bosch, H.Brauer, D.Mirkovic, E.Muthmann - Saltzgitter Mannesmann Forschung - Germany, "Mechanical testing of line pipe steels in hydrogen atmosphere", Paper No. 060	T.Kamshad - Chevron - Kuwait, "The Selection and modification of piping materials in a bulk chemical handling facility in Wafra joint operation", Paper No. 094	N.Hermes, A.Dhont, M.Salta, J.De Strycker, D.Helder - Endures - Netherlands, "Failure analysis of microbiologically influenced corrosion (MIC) in industrial water distribution systems", Paper No. 075	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.Redaeili - Lombardi Ingegneria - Italy, "Numerical simulation for the durability assessment of a mechanical system partially embedded in concrete", Paper No. 139
	15:15-15:40	G.Gabetta - Consultant - Italy, "Update on Corrosion in Biorefining", Paper No. 183	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	M.Al Ashtar, H.Zurgani, O.Sherif, A.Aljabri, R.S.Siriki, M.Almoghrabi - Zueitina Oil Company - Libya, "Failures of chemical injection skids due to incompatible material with chemicals - case study", Paper No. 103	W.H.Moi - Petronas - Malaysia, "Revolutionizing asset management in Malaysia: cutting-edge strategies for MIC mitigation", Paper No. 021	M.Yasir - Forvia - Germany, "The rise of electrification, challenges & opportunities with metallic materials in hydrogen technologies", Paper No. 117	A.Cheaitani, M.Cheyhani, S.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					

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		<i>Scirocco</i>	<i>Libeccio</i>	<i>Levante</i>	<i>Ponente</i>	<i>Aliseo</i>	<i>Bora</i>
		Energy Transition	Energy Transition	Failure Case Studies	Microbiologically Influenced Corrosion	Automotive Industry	Durability of Reinforced Concrete
		Renewable Energy	Hydrogen Service				
		<i>Chair: S.Le Manchet</i>	<i>Chair: M.Palombo - L.Bacchi</i>				
Tuesday - June 11th	16:20-16:45	S.Cissé, S.Le Manchet, E.Robin, F.Novello, M.Borges - Industeel ArcelorMittal - France, "High temperature corrosion resistance of heat resistant stainless steels for waste incineration and solar applications", Paper No. 005	L.Paterlini, G.Re, L.Vergani, M.Ormellesse - Politecnico di Milano - Italy, "Hydrogen embrittlement of a low alloy steel electrochemically charged", Paper No. 097	M.Harris - Petronas - Malaysia, "Failure analysis of radiant tube in ethylene furnace", Paper No. 025	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	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	R.Valentini, L.Bacchi, F.Biagini - Pisa University - Italy, "Hydrogen embrittlement preliminary laboratory characterization on API X52 for hydrogen service", Paper No. 090	A.Scatena - Pontlab - Italy, "Failure Analysis of a Hot Stove", Paper No. 130	P.Cristiani, Elena 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, B.Tsyupa, A.Piglione, P.Della Bella, S.Russo, F.Bertasi, A.Bonfanti, A.Mancini - Brembo - Italy, "Multi-technique approach for characterization of functional thin 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	C.Mingazzini, E.Muraca, A.Pierro, L.Mendicino, T.Giambartolomei - ENEA - Italy, "Maintenance protocols for recently developed, more sustainable, offshore composite wind blades", Paper No. 099	M.Rhode, S.Kaiser, K.Erxleben, T.Kannengiesser - BAM - Germany, "Challenges in repair welding of in-service hydrogen pipelines", Paper No. 176	I.Giroletti, M.de Marco - Omeco - Italy, "Failure of a district heating water tank investigated with non-destructive techniques", Paper No. 154	M.J.F.Marques, A.Benedetti, F.Castelli, M.Delucchi, M.Faimali, S.Delsante, F.Valenza, F.Garaventa, G.Pavanello, M.Losurdo, R.Basseguy - CNR - Italy, "The corrosion behavior of 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	I.Zuazo, S.Pillot, S.Le Manchet - Industeel ArcelorMittal - France, "Steels for the global energy transition", Paper No. 128	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	S.U.Niaz Bukhari - KBR - Saudi Arabia, "A case study on the failure of a sulfuric acid storage tank", Paper No. 171	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	M.A.Abello, M.Daga, L.Mezzomo, A.Bonfanti, F.Bertasi - 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		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						

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Student Session (Posters)

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"

E.Messinese, M.Ormellesse, A.Brenna - Politecnico di Milano - Italy, "Corrosion rate estimation under sweet corrosion conditions: use of the Tafel-Piontelli model"

I.Goni, D.Papi, G.Tarsi - Genoa University - Italy, "An overview of corrosion behavior in recycled NdFeB magnets: comparison of the performance of recycled and non-recycled magnets"

M.Gastaldi, B.M.Schallock - Politecnico di Milano - Italy, "Effectiveness of accelerated test methods used to evaluate the resistance to chlorides penetration on coated concrete"

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"

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 AISI316L by laser powder bed fusion"

A.Kořkowska, A.Olesiński, A.Maciej, A.Stolarczyk, A.Blach-Grzechnik, M.Sowa, W.Simka - Gliwice University - Poland, "Corrosion resistance of surface-modified NiTi alloy"

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"

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"

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"

A.Elghani, F.Khoshnaw - De Montfort University - UK, "Reliability of Response Surface Methodology for Predicting Optimum Spot-Welding Parameters", Paper No. 181