



GENOA,
ITALY
9-12 June
2026

CONFERENCE PROGRAM - 11/06/2026

TIME	Rooms - 3rd Floor		Rooms - 2nd Floor		
	Scirocco	Libeccio	Levante	Ponente	Aliseo
	H2 Service	Coating	Carbon Capture & Storage	Renewable Energy	Corrosion Inhibitors, Inspection & Monitoring
	Chair: L.Bacchi - G.Mannucci	Chair: P.Donelli - R.Malfanti	Chair: B.H.Morland - J.Moloney	Chair: G.Barinder - S.Le Manche	Chair: I.Borsic - F.Hornsby
08:30-08:55	Paper 099 - "Electrochemical hydrogen permeation through thermally grown iron oxides" - M.Pelucchi, R.Rosa, L.Gritti, B.Alfano, S.Lorenzi, M.Cabrini (Università di Bergamo - Italy)	Paper 079 - "Performance requirements for the next generation of high performance linings" - M.Harrison, P.Donadio (Sherwin - UK)	KEYNOTE - Corrosion thresholds for chemical interaction and precipitation in impure CO ₂ - theory and practice - Johannes Sonke - Shell - The Netherlands	Paper 005 - "Performance and sustainability in one, when selecting Sanicro 35 for demanding applications" - B.S.Vieira (Alleima EMEA - Portugal)	Paper 072 - "Corrosion mitigation of a pipeline network utilized for seawater flooding system in Kuwait" - H.Al-Hashem, S.Mukadam, S.Jose (Petroleum Research center-KISR - Kuwait)
08:55-09:20	Paper 106 - "Study of hydrogen embrittlement of steels for the oil & gas sector through electrochemical methods" - A.Curia, L.Paterlini, L.Vergani, G.Re, F.M.Bolzoni (Politecnico di Milano - Italy)	Paper 073 - "Asset life extension and efficiency enhancement in refineries using advanced thermal spray and ceramic coating technologies" - I.Hall, M.Macwatters, A.Korobeynikov, C.Bateman (IGS - UK)		Paper 062 - "Corrosion behavior of stainless steels supporting the development of battery-recycling technologies" - B.Chareyre (ArcelorMittal - France)	Paper 004 - "Real-time corrosion and erosion monitoring using ClampOn corrosion-erosion monitor: a field trial analysis" - G.Instances (Clampon - Norway)
09:20-09:45	Paper 109 - "Cryogenic impact toughness of candidate austenitic stainless steels for LH2 storage applications" - A.Smith, F.Hoffmann, M.Somani, A.Abdelghany, M.Muratori (RINA - Italy)	Paper 154 - "TANAP's latest practices and technologies for corrosion and coatings" - E.Aksu (TANAP - Turkey)		Paper 141 - "Assessment of CO ₂ specifications- what are the challenges?" - A.Dugstad, B.Morland, G.Svenningsen (IFE - Institute for Energy Technology - Norway)	Paper 145 - "Geothermal corrosion results in applications at 500°C" - M.Dziekonski, D.Lawson, E.Strand (ALTISS Technologies - UK)
09:45-10:10	Paper 134 - "Hydrogen service challenges: experimental insights on permeation and steel embrittlement" - F.Giraldi, E.Muraca, R.Colloca, L.Del Plato, F.Zolfaghari, M.McGuire, M.Zamanzadeh (Techfem - Italy)	Paper 167 - "Impact of non-ideal environmental and substrate conditions on the performance and failure risk of liquid-applied epoxy and polyurethane coatings" - L.Valentinelli, A.Chesta (MATED - Italy)	Paper 098 - "Managing corrosion risks in CCS pipeline transport: insights on CO ₂ phase and impurities" - L.Intiso, A.Bolis, M.Hosseinzadeh Harbani, F.Sammartino (RINA - Italy); S.Franci, F.Locati, P.Deodati, L.Torri (ENI - Italy)	Paper 146 - "Corrosion case histories in biorefinery" - M.De Marco, C.Casu (Istituto Italiano della Saldatura - Italy)	Paper 014 - "Innovative ultrasonic sensing for leak surveillance in remote and harsh environments" - G.Instances (Clampon - Norway)



10:10-11:00 Coffee Break - Expo - Poster session					
	H2 Service	Coating - Maintenance	Carbon Capture & Storage	Cathodic Protection	Corrosion Inhibitors, Inspection & Monitoring
	<i>Chair: L.Bacchi - G.Mannucci</i>	<i>Chair: P.Donelli - R.Malfanti</i>	<i>Chair: B.H.Morland - J.Moloney</i>	<i>Chair: V.Saviello - R.Ballerini</i>	<i>Chair: I.Borsic - F.Hornsbly</i>
11:00-11:25	Paper 043 - "A Review of the AMPP Standard Committee for Hydrogen Guidelines" - S.Nava, J.Sonke, B.Bezensek (DNV - USA)	Paper 008 - "The development of composite as structural adhesives - an alternative to welding" - E.Arrabito, M.Imperato, P.Bassi (BS - Italy)	Paper 115 - "Methanol as a possible NO2 knock-out chemical in CO2 transport" - B.H.Morland, G.Svenningsen (IFE - Institute for Energy Technology - Norway); N.Voudouris, A.S.Tazedakis, E.Dourdounis (Corinth pipeworks - Greece)	Paper 149 - "Correcting CP in multiple pipeline corridor" - C.Baete, P.Plamen, N.Dakwar (Elsyca - Belgium)	Paper 126 - "Going beyond traditional ILI analysis to ensure pipeline safety" - K.Hartl, O.Anguila (NDT Global - Germany); A.Bologna (TECMA - Italy) - SARPOM
11:25-11:50	Paper 147 - "Proposal of requirements for carbon steels welds in gaseous hydrogen environment" - M.De Marco, M.Palombo, M.Mandina (Istituto Italiano della Saldatura - Italy)	Paper 092 - "Fighting off corrosion at EDF Hydro - news solutions for old structures" - G.Marchal (EDF HYDRO - France)	Paper 013 - "Corrosion-control based CO2 specification - a project approach" - J.Sonke, L.Galliot (Shell - The Netherlands)	Paper 082 - "Above ground storage tank – case study of a linear anode based cathodic protection system on new construction and existing tank" - S.Javia (MATCOR - USA)	Paper 003 - "Non-intrusive pipeline inspection for city gas, water crossings, and HDD locations" - M.Glinka (Electromagnetic Pipeline Testing - Germany)
11:50-12:15	Paper 113 - "Hydrogen readiness of existing gas networks" - F.Fratoni, L.F.Di Vito, E.Camerini, S.Stelitano, L.Mancini, T.Ciccarelli, N.Fella (RINA - Italy)	Paper 144 - "Integrated maintenance to preserve and repair shell and tube heat exchangers in air conditioning chillers" - L.Comel (G.M.A. - Italy)	Paper 107 - "Impurity reactions in CO2 streams with low sulphur content" - S.Morten Hesjevik, B.Helge Morland, G.Svenningsen (IFE - Institute for Energy Technology - Norway)	Paper 118 - "Deep-well groundbeds in chloride-containing soils: issues and solutions" - G.Grieco (SaGest - Italy); E.Barbaresi (Techfem - Italy)	Paper 143 - "Acoustic resonance technology experiences inspecting complex pipeline systems" - W.Vos (NDT Global - Germany); A.Bologna, E.Milanesi (TECMA - Italy)
12:15-12:30	Expo				



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12:30-14:00	Lunch - Expo - Poster session				
13:30	POSTER AWARD				
	H2 Service	Corrosion Under Insulation	Carbon Capture & Storage	Cathodic Protection	Corrosion Inhibitors, Inspection & Monitoring
	Chair: L.Bacchi - G.Mannucci	Chair: T.Van Caelenberghe	Chair: B.H.Morland - J.Moloney	Chair: V.Saviello - R.Ballerini	Chair: I.Borsic - F.Hornsby
14:00-14:25	Paper 061 - "Influence of hydrogen content on fracture behavior of API5L X65Q steel in CH4-H2 blends" - E.Proverbio, S.Rahimi, A.Giacobbe, M.F.Milazzo, E.Piperopoulos (Università di Messina - Italy)	Paper 021 - "Predictive corrosion under insulation management through wireless IoT humidity and temperature sensors: from reactive stripping to data-driven integrity assurance" - S.Zubelli (Indusenz - Norway)	Paper 094 - "Impurity reactions in CO2 streams with methanol" - G.Svenningsen, B.H.Morland (IFE - Institute for Energy Technology - Norway)	Paper 125 - "Back to the future: an Italian tale of remote monitoring" - I.Magnifico (AUTOMA - Italy)	Paper 022 - "The Implementation of the 3D reality modelling and computer vision for infrastructure corrosion management" - L.Holloway, B.Burton, C.Stan-Bishop, J.Hogben (MEnD Consulting - Australia)
14:25-14:50	Paper 068 - "Characterization of carbon steels and low-alloy steels under gaseous hydrogen exposure" - C.Baudin, S.Cisse (ArcelorMittal - France)	Paper 096 - "Simplifying corrosion under insulation (CUI) mitigation through real-world lessons and technology insights" - T.Stein (Akzo Nobel - UK)	Paper 116 - "Reactions between impurities in carbon dioxide and effect on the surface chemistry of steel: a diagrammatic approach" - R.Slavchov, S.Faraji, R.M.Walker, J.Sonke (Queen Mary University of London - UK)	Paper 136 - "Understanding potential probes readings accuracy through Finite Element Methods analysis" - L.Paterlini, A.Brenna, M.Ormelese (Politecnico di Milano - Italy)	Paper 066 - "Corrosion inhibitors and monitoring techniques: a combined strategy for asset protection" - N.A.Al Ali (ADNOC - United Arab Emirates)
14:50-15:15	Paper 074 - "Advanced High-Strength Steels for Next-Generation High-Pressure H2 Storage Cylinders" - T.Das, S.Cooreman, N.Sanchez (ArcelorMittal - Belgium); J.Bestautte (CEA-LITEN - France); S.Clemang (ABS Centre Métallurgique - France); M.Falomo (Faber Industrie - Italy), A.Muth (Fraunhofer-Institut für Werkstoffmechanik - Germany)	Paper 142 - "Real-time monitoring of corrosion under insulation using electrical resistance sensors" - M.Reiser, T.Prošek, V.Šefl, K.Popova, M.Kouřil (University of Chemistry and Technology of Prague - Czech Republic)	Paper 137 - "Acid Formation in CO2 transport" - B.Burmas, S.Eroshkin, A.M.Koren Halvorsen, S.M.Hesjveik (Equinor - Norway)	Paper 102 - "IR-free: a new solution to eliminate the ohmic drop in a potential reading" - M.Cattalini (Core - Italy); L.Novelli Genuino (ESA - Italy); M.Ormelese, A.Brenna (Politecnico di Milano - Italy)	Paper 015 - "Continuous corrosion inhibitor evaluations for low BS&W crude lines" - F.Hornsby (Cormetrics 2 - Canada)
15:15-15:40	Paper 153 - "Hydrogen embrittlement resistance of three stainless steels under slow strain rate tests on pre-charged samples" - R.Rodriguez (TUBACEX INNOVACIÓN - Spain)	Paper 046 - "Predictive CUI management in elevated piping: rope-access deployment of cladding integrated wireless IoT humidity and temperature sensors for condition-based inspect" - S.Zubelli (Indusenz - Norway)	Paper 117 - "Mitigating corrosion risk in dense phase CO2 transportation: advanced thermodynamic model" - C.Spica, H.Yakushiji, D.Miller, M.B.Hariri (OLI - USA)	Paper 112 - "Can coupon polarization current replace potential criteria in measuring cathodic protection effectiveness? A gas distribution case study" - L.Spisni (INRETE Distribuzione Energia - Italy)	Paper 025 - "Ensuring sustainable pipeline integrity: a comprehensive laboratory framework to evaluate corrosion inhibitor efficiency and partitioning behaviour" - M.A.Al Seiri, M.A. Hammadi, N.Al Khyeli, A.Barbosa Da Silva (ADNOC - United Arab Emirates)



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15:40-16:30 Coffee Break & Expo					
	H2 Service	Coating - Challenges	Carbon Capture & Storage	Cathodic Protection	Corrosion Inhibitors, Inspection & Monitoring
	<i>Chair: L.Bacchi - G.Mannucci</i>	<i>Chair: P.Donelli - R.Malfanti</i>	<i>Chair: B.H.Morland - J.Moloney</i>	<i>Chair: V.Saviello - R.Ballerini</i>	<i>Chair: I.Borsic - F.Hornsby</i>
16:30-16:55	Paper 087 - "Characterisation of the effects of hydrogen on three line pipe steels in the local transmission system" - A.Cosham (Ninth Planet Engineering Limited - UK); M.Dore, X.Sun, F.Oikonomidis, M.Hoekstra (TWI - UK); M.Koronka, N.Thompson, G.Simpson (SGN - UK)	Paper 088 - "Correct selection of tank linings for long-term performance in the biofuel market" - M.Fletcher (Hempel - UK)	Paper 075 - "Material selection for CCS down-hole tubular application" - K.Kanki, K.Nagahashi, H.Amaya (Nippon Steel Corporation - Japan)	Paper 124 - "The G.I.A.N.T. project: revolutionizing cathodic protection through AI-driven optimization" - I.Magnifico (AUTOMA - Italy)	Paper 058 - "Sustainable protection of archaeological bronzes: insights on sodium decanoate as a green corrosion inhibitor for the Apollo of San Casciano dei Bagni (Siena, Italy)" - F.Boragina, P.Piccardo, W.Basilissi, R.Spotorno
16:55-17:20	Paper 119 - "Assessment of pipeline fatigue life under hydrogen injection: rainflow analysis of natural gas historical pressure cycles" - L.Manganotto, L.Bacchi, M.Medoro (SNAM - Italy)	Paper 071 - "Steel embrittlement risk reduction in the design of carbon capture and storage facilities" - A.Gavoglio, R.Holliday (PPG - Italy)	Paper 012 - "Fit-for-Purpose acceptance criteria for corrosion resistant alloys in CO2 transport and injection" - M.E.Wilms, J.Sonke, W.M.Van Haften (Shell - The Netherlands); S.Paterson (Arbeadie Consultants - UK)	Paper 165 - "Self-regulating system for cathodic protection systems for prestressed concrete/post-tensioned decks and for anchor bars of road barriers" - F.Canali, U.Marinelli (FM Engineering - Italy)	Paper 083 - "The synergistic / antagonistic effect of oilfield chemicals on corrosion behaviour of carbon steel in sea and effluent waters injection systems" - S.Mukadam, H.Al-hashem (Petroleum Research center- KISR - Kuwait)
17:20-17:45	Paper 133 - "A study on fatigue crack initiation in hydrogen service using a small-scale testing method" - L.Francesco Di Vito, G.Zilli, R.Delia, F.Iob (RINA - Italy), B.Bezensek (Shell- UK), L.Bacchi (SNAM- Italy), O.Jan Huising (Gasunie- Italy), P.Roovers (Fluxys- Belgium), C.M.Spinelli (ENI - Italy)	Paper 032 - "Status of international coating standards for pipeline transport including H2 and CO2" - A.M.Dam (Damcoating - The Netherlands)	Paper 069 - "Corrosion assessment of corrosion resistant alloys in CCS environments" - S.Manzoor, R.Kay, R.Barker, J.Owen (University of Leeds - UK)	Paper 030 - "Selection and installation of anodes for cathodic prevention in reinforced concrete to ensure the required durability" - S.Tremolada (De Nora Italy - Italy)	Paper 090 - "Design and application of oil-based corrosion inhibitors in high-H2S production to address corrosion and separation challenges" - E.Petteruti, U.Ciardi, A.Spigno, J.Asriev, M.Bancone (CHIMEC - Italy); J.F.Van der Linden, S.Koshkaliyev (Global Chemical Resources - USA); D.Kubenova, A.Turgumbayev, N.Stamkulov, S.Bolat, A.Amanzholo (NCOC - Kazakhstan)
17:45-18:10	Paper 053 - "Line pipe steels and pipe bends for hydrogen application" - S.Höhler, E.Wanzenberg, C.Bosch, H.Brauer, D.Mirkovic, E.Muthmann, I.Parezanovic (Salzgitter Mannesmann Forschung - Germany)				Paper 169 - "Enhancing Pipeline Integrity Management Through Near Real Time Aerial Situational Awareness" - C.Hosdain (Source - Belgium)
09:30-18:30	Expo				
20:00	Villa dello Zerbino - Gala Dinner				