NACE® INTERNATIONAL MILANO ITALIA SECTION

to

Conference & Expo 2016

Genoa, 29-31 May 2016

"A European event for the Corrosion Prevention of Oil & Gas industry"

NACE INTERNATIONAL MILANO ITALIA SECTION

Conference & Expo 2016

"A European event for the Corrosion Prevention of Oil & Gas industry"

2 Full days

3 Full parallel sessions

94 Oral presentations

270 Attendants

5 Media partners

42 Exhibitors

25 Sponsors

150 Companies

Conference & Expo 2016

"A European event for the Corrosion Prevention of Oil & Gas industry"

The aim of this ***NACE Milano Italia Section – Conference & Expo 2016*** is to bring together scientists, engineers and technicians from industry in order to share methods, methodologies and ideas.

NACE® INTERNATIONAL MILANO ITALIA SECTION

NACE Milano Italia is one of the largest sections of the European Area of the NACE International. It was formed in **1992** and, since then, its task was to spread the culture of corrosion in the industrial world through the organization of workshops, seminars and conferences.

NACE international

108 sections
32 student sections
36.000 members
c.a. 40 countries

NACE EUROPE

- Milano Italia
- Madrid Iberica
- Baku Azerbaijan
- Aberdeen Scotland
- Israel Negev Student
- Aalen Student Section Germany
- University of Birmingham (UK)
- Great Britain United Kingdom
- Central Israel
- Benelux

Room A-Scirocco, Monday, May 30th

NACE MILANO ITALIA SECTION - CONFERENCE & EXPO 2016			
DATE	TIME		ROOM A (Scirocco)
Monday May 30th	08:30-08:55	Oil & Gas Pipelines Mario Celant - Liane Smith	M.Gentile, G.Gabetta, R.Bruschi, ***'Material Selection for Sour Service: a Review'***
	08:55-09:20		G.De Masi, M.Gentile, R.Vichi, R.Bruschi, A.Bennardo, G.Gabetta, M.Conti, ***'Artificial neural network - multiscale processing of loss of metal'***
	09:20-09:45		M.Celant, ***'Material Specification vs Design Requirements'***
	09:45-10:10		L.M.Smith, ***'Validation of the Corrosion Modelling of Multiphase Oil and Gas Pipelines Using Maestro with ECE'***
	10:10-10:50		**Coffee Break**
	10:50-11:15		A.Hojna, ***'Acceleration Test Matrix for SCC prediction'***
	11:15-11:40		G.Bolzon, H.Nykyforchyn, ***'Development of Novel Methods for the Prevention of Pipeline Failures with Security Implications'***
	11:40-12:05		K.Kutrowski, A.Pette, ***'Zero leak policy: A robust methodology and a lot of common sense'***
	12:05-12:30		G.Gabetta, A.Di Lullo, A.Bennardo, ***'Pipeline internal damage modeling'***
	12:30-14:00		**Lunch**
	14:00-14:25	Oil & Gas Pipelines Mario Celant - Liane Smith	J.Knights, A.Patrick, ***'Challenging Composite Repairs Completed on Pipelines and Pipework'***
	14:25-14:50		R.Nyborg, G.Svenningsen, L.Torri, T.Cheldi, P.Cavassi, ***'Top of Line Corrosion in Gas Pipelines with Organic Acid and Low CO_2'***
	14:50-15:15		A.Bologna, ***'Immediate integrity & future integrity assessment - a review of internationally proven methods to manage in line inspection data'***
	15:15-15:40		G.D.Eyu, W.Geoffrey, W.Dekkers, J.MacLeod, ***'Corrosion behaviour of carbon steel in deaerated bicarbonate solution'***
	15:40-16:20		**Coffee Break**
	16:20-16:45		R.Bayon, A.Lopez-Ortega, E.Rodríguez, ***'Tribocorrosion behaviour of mooring high strength low alloy steels in synthetic seawater with and without protective coatings'***
	16:45-17:10		R.A.Sazali, K.S.Sorbie, L.S.Boak, ***'Factors Affecting the Morphology and Constituents of Silicate Scale'***
	17:10-17:35		V.Schwinn, C.Collura, T.Staudt, J.Bauer, E.Amoris, ***'Heavy Wall X65 and X70 Plates for Sour Service Applications'***
	17:35-18:00		C.Bosch, C.Kalwa, ***'Suitability of TMCP Plates for Sour Resistant Large-Diameter Pipes'***
	10:00-19:00		**Exhibition Hall EXPO**
	20:00		**Villa dello Zerbino - Gala Dinner**

Room A-Scirocco, Tuesday, May 31th

NACE MILANO ITALIA SECTION - CONFERENCE & EXPO 2016			
DATE	TIME	ROOM A (Scirocco)	
Tuesday May 31st	08:30-08:55	Oil & Gas Pipelines – Liane Smith - Mario Celant	K.Baba, D.Mizuno, H.Nakamichi, K.Yasuda, N.Ishikawa, ***'Roles of Copper in Low Alloy Carbon Steel on Hydrogen Entry Suppression in Mildly Sour Conditions'***
	08:55-09:20		M.Fekih, A.Benmoussat, ***'Study on API X60 Steel Pipeline of GZ1 Line Solicited by Soil Localized Corrosion and Reinforced By Composite Sleeve'***
	09:20-09:45		A.Paggi, M.Ortolani, E.Paravicini, P.Darcis, E.Anelli, ***'Dilatometry simulations for the weldability appraisal of steels for seamless Line Pipe'***
	09:45-10:10		C.Fowler, ***'Advances in Sour Service Testing and Certification'***
	10:10-10:50	**Coffee Break**	
	10:50-11:15		H.Lengauer, C.Schindler, F.Winter, ***'Latest developments in clad-plate production for enhanced toughness and corrosion-resistance properties with cladding Alloy 625'***
	11:15-11:40		S.Morrea, M. de Marco, D.Calcagno, ***'Corrosion analysis of the trunkline network of a Oil plant in South of Italy'***
	11:40-12:05		H.Amaya, M.Sagara, J.Nakamura, K.Yamada, D.Motoya, H.Takabe, ***'Anti-Corrosion Properties of Modified 25Cr Duplex Stainless Steel (UNS S82551) for Flow-line Applications'***
	12:05-12:30		A.Kiel, N.Heinzle, R.Hoffmann, T.Schueller, ***'Welded or Seamless Stainless Steel Pipes'***
	12:30-14:00	**Lunch**	
	14:00-14:25	Oil & Gas Downhole – Lucrezia Scoppio - Perry Nice	M.Billingham, L.M.Smith, ***'Maximising the life of corroding tubing by combining accurate multi-finger caliper data with corrosion modelling'***
	14:25-14:50		P.Nice, S.B.Axelsen, ***'Field experience with use of 3%Cr tubing material'***
	14:50-15:15		I.Rommerskirchen, S.Leclerc, ***'Seamless Superduplex Pipes for OCTG applications in accordance with API 5 CRA'***
	15:15-15:40		Y.Otome, H.Takabe, H.Amaya, T.Mochizuki, D.Matsuo, M.Ueda, Y.Tomio, K.Kondo, ***'Effect of Cu and Ni Elements on Corrosion Resistance in High Chromium Martensitic Stainless Steel'***
	15:40-16:20	**Coffee Break**	
	16:20-16:45		L.Intiso, L.Scoppio, P.Nice, G.Mortali, J.A.C.Velasco, F.Macel, I.Palmieri, ***'Critical experimental parameters when performing corrosion testing of well stimulation and scale dissolver chemicals'***
	16:45-17:10		K.Ohla, B.Holper, H.John, H.S.Klapper, ***'Cold worked Ni-based alloy - HASTELLOY® C-22HS® for extreme downhole conditions'***
	17:10-17:35		P.Esteban, A.López, I.Gutierrez, A.Iza-Mendia, ***'Relationship between microstructure and SSR tested samples fractography in high strength pipes of grade N08825'***
	17:35-18:00		D.Tagliabue, ***'SSCC test on micro-allowed steel forgings: role of sampling location'***
	18:00-18:20	Plenary Lecture - F.Capelli, R.Guidetti, D.Fracassetti - The Stainless Steel in wine industry	
	18:20-19:00	**Closing Remarks and Farewell Cocktail**	
	10:00-19:00	**Exhibition Hall EXPO**	

Room B-Libeccio, Monday, May 30th

NACE MILANO ITALIA SECTION - CONFERENCE & EXPO 2016			
DATE	TIME	ROOM A (Scirocco)	
Monday May 30th	08:30-08:55	Coating Technology – Roberto Malfanti - Sergio Volonté	P.Mohseni, O.Ø.Knudsen, B.Bjørneklett, ***'Corrosion protection of Drilling Risers and Subsea equipment with TSA'***
	08:55-09:20		C.Magel, ***'CUI – A practical approach focused on existing guidelines, development of CUI standards and differences of generic coating systems'***
	09:20-09:45		N.Muncaster, ***'Reactive Gel as Corrosion Under Insulation mitigation'***
	09:45-10:10		A.Chesta, L.Valentinelli, A.Pedrotti, S.Zanol, ***'High performance coatings on carbon steel and Corten: a comparison'***
	10:10-10:50	**Coffee Break**	
	10:50-11:15		A.Prieto, ***'The Avantguard product range - innovative zinc rich epoxy primers, with outstanding corrosion protection'***
	11:15-11:40		D.Barnes, J.F.Fletcher, ***'Surface Soluble Salt Contamination Profiles Using The Saturated Filter Paper Method'***
	11:40-12:05		M.de Haan, ***'Comparison between NORSOK System 7B and System 7C on the basis of temperature gradient and high temperature cathodic disbanding (HT CD) testing'***
	12:05-12:30		P.le Calve, B.Gambiez, X.Mourrat, M.Smith, V.Aumelas, G.Maj, ***'Qualification of coating systems in case of severe erosion in penstock'***
	12:30-14:00	**Lunch**	
	14:00-14:25	Welding – Alberto Lauro - Christoph Gerritsen	M.De Marco, M.Palombo, A.Pianezze, M.Zabbia, ***'Effects and quantification of nitrides precipitation in duplex stainless steel'***
	14:25-14:50		C.U.Vázquez, K.E.Rodriguez, ***'Application of plasma transferred arc (PTA) as a deposition method to achieve a corrosion resistant coating on carbon steel pipelines'***
	14:50-15:15		C.Bateman, ***'Internal Surface Protection for Mission Critical Equipment™ using High Velocity Thermal Spray'***
	15:15-15:40		E.M.Westin, ***'Corrosion of welded stainless steel – experience, failures and solutions'***
	15:40-16:20	**Coffee Break**	
	16:20-16:45		M.Frigo, M.Schönning, L.Wegrelius, E.Johansson, ***'Corrosion properties of enhanced duplex stainless steel EDX 2304 and formable duplex stainless steels FDX 25 and FDX 27'***
	16:45-17:10		B.K.Holmes, ***'Corrosion and stress corrosion cracking of welded stainless steels in the oil and gas industry'***
	17:10-17:35		M.Casavecchia, F.Capelli, M.De Marco, ***'Corrosion test on orbital welding'***
	17:35-18:00		J.Lothman, Z.Zhou, P.Stones, ***'Duplex, super duplex and hyper duplex stainless steels, an introduction to the grades, their construction and their critical differences in performance and a guide to welding and fabrication'***
	10:00-19:00	**Exhibition Hall EXPO**	
	20:00	**Villa dello Zerbino - Gala Dinner**	

Room B-Libeccio, Tuesday, May 31th

NACE MILANO ITALIA SECTION - CONFERENCE & EXPO 2016			
DATE	TIME	ROOM A (Scirocco)	
Tuesday May 31st	08:30-08:55	Coating Technology *Roberto Malfanti - Sergio Volonté*	I.Fletcher, F.Yuste, ***'Mitigating Corrosion under Insulation in a Gas processing facility 10 years on'***
	08:55-09:20		I.Dag, H.Abir, V.Popov, E.Eshed, P.Donelli, A.Trisolino, ***'Thermal Spray Aluminum optimization - Preliminary findings on the effects of Micro Arc Oxidation and its potential applications'***
	09:20-09:45		D.Blackwell, C.Bateman, ***'Internal Corrosion Management of Process Vessels'***
	09:45-10:10		G.Ridolfi, V.Esposito, H.Boyd, ***'Fusion Bonded Epoxies for high operating temperature: a Contractor perspective on application and performance'***
	10:10-10:50	**Coffee Break**	
	10:50-11:15		P.de Bonnafos, ***'Wax-based Tape Systems as a Field Applied Pipeline Coating'***
	11:15-11:40		E.Broesder, D.Cudic, ***'Shielding coatings? They Should!'***
	11:40-12:05		R.Cafagna, ***'Novel functional coatings with anticorrosion properties for onshore above-ground, buried and insulated pipes'***
	12:05-12:30		A.Andrenacci, ***'Novel Anti-Corrosion Coating and Field Joint Solution'***
	12:30-14:00	**Lunch**	
	14:00-14:25	Coating Technology *Fabio Zanardo - Alberto Mauri*	A.J.Nuñez, G.J.Portesan, ***'Importance of top layer integrity in the multilayer system'***
	14:25-14:50		M.Colladon, ***'Characteristics and Performances of Solef® PVDF grades for Internal Lining of carbon steel flowlines'***
	14:50-15:15		G.Greenwood-Sole, ***'Glassflake Composite Linings For Protection Of New Pipework and Rehabilitation of Existing Pipework/Pipelines'***
	15:15-15:40		R.Malfanti, S.Sgualivato, M.Malfanti, ***'Coating failure, what does it means? What we can learn'***
	15:40-16:20	**Coffee Break**	
	16:20-16:45		A.Chesta, L.Valentinelli, A.Pedrotti, S.Zanol, ***'Coating failures: field approach and laboratory investigation'***
	16:45-17:10		A.Mauri, ***'Failure analysis in rubber linings'***
	17:10-17:35		T.E.Berge, ***'Surface preparation tools for on site activities'***
	17:35-18:00		D.Demicoli, ***'Polyamide 12 a Champion for Internal and External Corrosion Protection'***
	18:00-18:20	Plenary Lecture - F.Capelli, R.Guidetti, D.Fracassetti - The Stainless Steel in wine industry	
	18:20-19:00	**Closing Remarks and Farewell Cocktail**	
	10:00-19:00	**Exhibition Hall EXPO**	

Room C-Tramontana, Monday, May 30th

NACE MILANO ITALIA SECTION - CONFERENCE & EXPO 2016			
DATE	***TIME***	***ROOM A (Scirocco)***	
Monday May 30th	08:30-08:55	**Cathodic Protection** Ugo Marinelli- Giorgio Martinelli	K.Darbandi, ***'LCP (Local Cathodic Protection) Protecting complex facilities'***
	08:55-09:20		R.Andolfato, D.Cuccarollo, ***'Software for cathodic protection and electromagnetic interference analysis'***
	09:20-09:45		I. Magnifico, C.Doumbard, ***'Instant OFF Measurements on coupon: Practical advantages of a continuous remote monitoring and rectifier remote control based on Eoff, improving effects on cathodic protection efficiency evaluation and maintenance operations'***
	09:45-10:10		S.Tremolada, G.Martinelli, ***'Application in deep vertical groundbeds of linear flexible anodes'***
	10:10-10:50		**Coffee Break**
	10:50-11:15		G.Raffa, P.Dini, F.Zagni, ***'Monolithic Isolation Joints: Material Selection in Mission Critical Application'***
	11:15-11:40		F.Brugnetti, ***'Criterio di collaudo elettrico di un sistema di protezione catodica'***
	11:40-12:05		F.Brugnetti, ***'Normativa – Il ruolo AEEGSI – UNI – APCE nel settore della protezione catodica'***
	12:05-12:30		
	12:30-14:00		**Lunch**
	14:00-14:25	**Oil Refinery** Giovanna Gabetta Marco de Marco	A.Spaghetti, ***'Sandvik High Performance Material for Oil Refineries'***
	14:25-14:50		L.Mambelli, F.Lollo, A.J.Invernizzi, S.P.M.Trasatti, ***'Stainless steels and nickel alloys: testing in high concentrated saline solutions for construction of produced water treatment plant'***
	14:50-15:15		V.Matres, M.Romero, ***'Stainless Steel Corrosion Engineering'***
	15:15-15:40		
	15:40-16:20		**Coffee Break**
	16:20-16:45		E.R.Oen, ***'Corrosion and Insulation Management (incl. Risk based CUI Inspection)'***
	16:45-17:10		O.Doble, F.Locati, ***'The technology is in place to eliminate the Corrosion Under Insulation (CUI) problem to a low level. Presentation of standards and solutions.'***
	17:10-17:35		A.Pothuaud, O.Vassillo, ***'TrueSense for Process – COMS – Refinery Achieves Overhead pH Consistency'***
	17:35-18:00		O.Kaczerewska, B.Brycki, ***'Gemini surfactants as corrosion inhibitors'***
	10:00-19:00		**Exhibition Hall EXPO**
	20:00		**Villa dello Zerbino - Gala Dinner**

Room C-Tramontana, Tuesday, May 31th

NACE MILANO ITALIA SECTION - CONFERENCE & EXPO 2016			
DATE	TIME		ROOM A (Scirocco)
Tuesday May 31st	08:30-08:55	Oil Refinery *Giovanna Gabetta - Stefano Trasatti*	S.Malavasi, G.V.Messa, ***'Prediction of the impact wear of a valve'***
	08:55-09:20		G.V.Messa, F.Novati, S.Malavasi, ***'Modelling of the impact wear produced by dense liquid-solid slurries'***
	09:20-09:45		T.S.Dabi, ***'Living with RBI philosophy by monitoring operating window parameters'***
	09:45-10:10		
	10:10-10:50		**Coffee Break**
	10:50-11:15		G.Gabetta, ***'Corrosion Problems In Biorefining'***
	11:15-11:40		C.A.Farina, ***'Corrosion costs in refineries: how to minimize them'***
	11:40-12:05		K.Kaczmarczyk, ***'O&G piping and equipments repair and rehabilitation by external reinforcement application'***
	12:05-12:30		M.Pesce, P.Micheloni, ***'Changes in feed changes in (plant) life. The RBI approach in feed composition changes'***
	12:30-14:00		**Lunch**
	14:00-14:25	Failure Analysis *Chris Fowler - Luigi Divito*	G.Zanotti, P.V.Scolari, G.Rivolta, D.Magagnini, G.Merckling, ***'Corrosion Properties Qualification on Big Sized Components in Duplex Steel for Oil & Gas Applications'***
	14:25-14:50		A.Smith, **'Failure of an API 5CT grade L80-13Cr coupling during make-up'**
	14:50-15:15		E.Ferrari, M.De Marco, M.Zabbia, S.Morrea, ***'Failure analysis on a TEE component taken from a flow line in an oil field characterized by local through thickness corrosion damage'***
	15:15-15:40		S.Gnanasambandam, M.Foresta, H.Zhou, D.Weston, F.Li, H.Yan, L.Zhang, J.Pan, ***'Modelling corrosion fatigue life of phosphor bronze reinforcing tape used in underground power cables'***
	15:40-16:20		**Coffee Break**
	16:20-16:45		H.Zhou, S.Gnanasambandam, M.Foresta, D.Westona, F.Lib, H.Yana, L.Zhanga, J.Pana, ***'Pitting corrosion in phosphor bronze tape used in underground power transmission cables- A Monte Carlo study'***
	16:45-17:10		C.Sampietri, R.Amoriello, G.Toldo, ***'Corrosion/Fatigue in ECO Tubes of Boilers'***
	17:10-17:35		A.Trevisson, M.Casaril, ***'Necessity for a multidisciplinary approach and main troublesome topics encountered in Laboratory failure analysis'***
	17:35-18:00		
	18:00-18:20		Plenary Lecture - F.Capelli, R.Guidetti, D.Fracassetti - The Stainless Steel in wine industry
	18:20-19:00		**Closing Remarks and Farewell Cocktail**
	10:00-19:00		**Exhibition Hall EXPO**