

09:00
09:20

OPENING CEREMONY

PLENARIA

09:20
10:20

KEY LECTURES

Innovative impact plus corrosion management product: the world's first platform to benchmark practices and improve corrosion management.

PLENARIA



JEFF DIDAS
President
of NACE
International.

10:25 / 11:05 COFFEE BREAK & EXHIBITION OPENING CEREMONY

	01 COATINGS and Paintings ROOM 01	02 INTEGRITY Management ROOM 02	03 CORROSION in Nuclear Systems ROOM 03	04 CATHODIC Protection ROOM 04
11:05 11:30	L2018-011 Wash-Primers Formulations For Painting Steel Substrates With Poor Surface Preparation. C. Byrne, O. D'Alessandro, G. J. Selmi, R. Romagnoli, C. Deyá.	L2018-042 Effective approach to risk ranking integrity operating windows. L. Cardenas, M. Hernandez.	L2018-006 Corrosion susceptibility of copper as an engineering barrier of high-level radioactive waste containers. M. Ochoa, M. A. Rodríguez, S. B. Farina	L2018-013 Cathodic protection remote control at Transportadora Gas del Norte (TGN). A. Ricchezza, G. Mancuso
11:30 11:55	L2018-015 Study of steel / paint schemes in areas of high atmospheric corrosivity in chile: results in antarctic station. R. Vera, R. Araya, M. Bagnara, R. Henríquez, A. Diaz-Gómez, P. Rojas.	L2018-068 RBI implementation and results in a gas treatment plant. M. Meyer, D. Beneroya, H. Capello.	L2018-060 Corrosion evaluation of nuclear reactor internal component made by additive manufacturing X. Lou, T. E. Perez, R. B. Rebak.	L2018-037 Practical application of 100MV depolarization criterion in multiple CP current source oil-field in the Gulf of San Jorge. A. Sidorenko, N. A. Pesce, M. A. Bragagnolo, L. G. Muñoz
11:55 12:20	L2018-064 Temporary coating for in process or storage applications. D. Dell'Orto, M. Bieber.	L2018-142 Ultrasonic geometry: proven accuracy for reliable assessment. R. Yáñez, T. Schulten, H. Witte, T. Henning.	L2018-067 Effect of thiosulfate on metastable pitting corrosion of Ni-Cr-Fe alloys in chloride solutions. A. A. Becerra, M. A. Kappes, M. A. Rodríguez	L2018-053 Impress cathodic protection using solar power system. J. Brion, C. Torres.
12:20 12:45	L2018-029 "Yerba mate" extract in anticorrosive paints to protect sae 1010 steel. Y. Silvestri, S. Roselli, R. Romagnoli, C. Deyá.	L2018-143 Evolution of crack depth sizing and the improvements in the integrity management program. D. Y. Luna Padilla, R.J. Guajardo Rodríguez.	L2018-020 Effect of sulphate on the corrosion of low-level nuclear waste concrete containers. N. Klein, G. S. Duffó, S. B. Farina.	L2018-041 Cathodic shielding in pipelines. J. Ronchetti, D. Grenada, P. Cianciosi.

12:45 / 14:00 LUNCH BREAK

	01 COATINGS and Paintings ROOM 01	02 INTEGRITY Management ROOM 02	03 CORROSION in Nuclear Systems ROOM 03	04 CATHODIC Protection ROOM 04
14:00 14:25	L2018-014 Silanes as adhesion promoters in waterborne epoxy paints. P. Seré, A. Di Sarli, C. Deyá.	L2018-017 Advanced techniques for corrosion and integrity evaluation of shale gas production wells. J.P. Rossi, A. Pellicano, G.M. Rivera, A. Vico.	L2018-045 Oxidation resistant Fe-Cr-Al alloys for accident tolerant fuel cladding in nuclear power plants. Raúl Rebak.	L2018-156 Coexistence between cathodic protection systems. Andrea Moneta.
14:25 14:50	L2018-065 Tensioned wire blasting – fundamentals, advantages and applications. Lukas Janotta.	L2018-034 Electrochemical techniques for corrosion assessment in oil production and processing systems. A. Pellicano, J. P. Rossi, S. M. Ceré.	L2018-072 Oxidation studies of MTR fuel plates in reactor conditions. D. Valdez Tordoya, R. Haddad.	L2018-039 Cathodic protection of nine aboveground storage tanks with multiple output rectifiers. N. Aldo Pesce, N. Antonio Pesce, C. Baglione.
14:50 15:15	L2018-071 Amorphous polyisobutylene (PIB) coatings – recoating of old Oil & Gas lines. Henk Vugteveen.	L2018-069 Risk based integrity management (RBI) in combined cycle. M. Gorostidi, R. Rodríguez, G. Muñoz, M. Meyer, G. Dasso.	L2018-084 Corrosion evaluation by electrochemical techniques of the liner structure in nuclear power plants: a case study. I. Martínez, A. Castillo.	L2018-154 Modeling of ph and soil resistivity in Buenos Aires Province: capitalization of soil knowledge and its contribution to the development of the anti-corrosion protection sector of the Argentine Republic. L.S. Rodríguez, O. M. Pascal, R.A. Varela, M.A. Rodríguez

15:15 / 15:45 COFFEE BREAK

	01 COATINGS and Paintings ROOM 01	02 INTEGRITY Management ROOM 02	03 CORROSION in Nuclear Systems ROOM 03	04 CATHODIC Protection ROOM 04
<p>🕒</p> <p>15:45 16:10</p>	<p>L2018-159 Recommended practice for the qualification of anticorrosive coating systems associated to the petroleum and gas industry.</p> <p>M.A. Marino, L.L.E. Rocca.</p>	<p>L2018-153 Incidence of internal inspection plan at the risk of a transportation pipeline.</p> <p>Marcos Visus, Nicolás Rivas, Diego Martínez, Walter Rennis.</p>	<p>L2018-088 Evaluation of localized corrosion of aluminium alloy 5052 (UNS A95052) plates for a nuclear desalinator.</p> <p>D. R. Chalfoun, M. A. Kappes, M. Chocrón.</p>	<p>L2018-090 Advantages in using remote monitoring to assess effectiveness of cathodic protection in stray current affected areas.</p> <p>Ivano Magnifico.</p>
<p>🕒</p> <p>16:10 16:35</p>		<p>L2018-066 Integrity based on risk evaluation (RBI): dead leg management in cerro dragón oilfield.</p> <p>M. Gorostidi, R. Rodríguez, G. Muñoz.</p>	<p>L2018-099 Corrosion of aluminum-clad spent nuclear fuel in demineralised water.</p> <p>E. Linardi, R. Haddad.</p>	<p>L2018-120 Over-voltage protection and safety grounding applications on cathodically protected systems.</p> <p>Tony Castillo.</p>
<p>🕒</p> <p>16:35 17:00</p>		<p>L2018-155 Applies IJI as first criterion of SP0169:2013?</p> <p>Andrea Moneta, Eduardo Carzoglio.</p>	<p>L2018-044 Sensitization resistance of Fe-Cr-Al alloys for nuclear cladding applications.</p> <p>R. B. Rebak, V. K. Gupta.</p>	



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KEY LECTURES

Microbially induced corrosion, shading some light into a process that keeps dissolving our structures.

PLENARIA



WALTER VARGAS
Associate Scientist -
CONICET / R&D at
YPF-Tecnología

01 CORROSION IN REINFORCED Concrete Structures

ROOM 01

L2018-083 Corrosion behavior of steel embedded in mortar influenced by the initial surface condition.

D. R. Vazquez, G. S. Duffó.

02 SOUR CORROSION & Embrittlement in O&G Production

ROOM 02

L2018-114 Influence of nickel content in sulfide stress cracking of low alloy steels.

D. R. Chalfoun, M. A. Kappes, R. M. Carranza, M. Iannuzzi, M. Valdez, T. Pérez, L. A. Aguirre, J. L. Otegui.

03 INTEGRITY IN O&G Production and Transportation

ROOM 03

L2018-070 Risk management unified for plants and ducts.

M. Meyer, M. Tissera, L. Orfei.

04 SURFACE Treatments

ROOM 04

L2018-093 Protection in metallic structures by the electronic anode system (EAS).

J. R. Andrade da Silva, P. F. Graciadio, F. Müller Filho.



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L2018-028 Electronic properties of surface films on constructional steel in carbonated chloride-rich media containing nitrite ions.

M.A. Frontini, M.V. Vázquez, M.B. Valcarce.

L2018-001 Effect of nickel in solid solution on the hydrogen embrittlement susceptibility of ferrite.

H. Husby, R. Johnsen, M. Iannuzzi, A. Barnoush M.A. Kappes, R. Rebak.

L2018-073 Pipeline integrity and risk management model Golfo San Jorge business unit.

J. Rossi, A. Novelli, C. L. Alfaro, R. E. Rodriguez.

L2018-151 Anticorrosive phosphate coating weight control by XRF method.

F. Amelotti, J. Cugno, G. Abuin, S. Amore.

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COFFEE BREAK

01 CORROSION IN REINFORCED Concrete Structures

ROOM 01

L2018-004 Development of a corrosion sensor for reinforced concrete structures based on galvanic couples.

J. E. Torres-Ramirez G.S. Duffó, S.B. Farina.

02 SOUR CORROSION & Embrittlement in O&G Production

ROOM 02

L2018-149 Galvanic interactions in sour environments and their role in localized corrosion.

A. Huggins, G. S. Frankel, W. Durnie, J. R. Vera.

03 INTEGRITY IN O&G Production and Transportation

ROOM 03

L2018-078 Probability models of corrosion failure in producer and injector wells, case study: Campo La Cira Infantas Colombia.

G. Del Rio, B. Ramirez, J. Gonzales, J. Arambulo, L. Cardozo, Y. Jaimes, L. Ararat, J. Diaz, G. Juzga, J. Correa, J. Luna, A. Bayona

04 SURFACE Treatments

ROOM 04

L2018-111 Incorporation of organic species during anodizing to increase the hydrophobicity and the corrosion resistance of alloys.

A. Konrath, Y. R. Melo, T. V. Machado, P. Atz Dick, L. F. P. Dick.



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L2018-094 Galvanized Rebar: Advantages, application and performance in steel reinforced structures.

L. Abdala, D.B.P. Albagli.

L2018-150 Methodology to assess the effect of confinement and H₂S flow rate on sulfide stress cracking susceptibility of flexible pipe armor wires.

J. R. Vera, B. Matos, F. Santos.

L2018-080 Statistical model of probability of corrosion failure as an integrity management tool in llanos north of Occidental de Colombia.

C. Barrios, F. Corzo, G. Juzga.

L2018-117 Influence of addition of organic acids on sulfuric acid anodization of AA2024.

T. Vignoli Machado, P. Atz Dick, G.H. Knörnschild, L.F.P. Dick.



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L2018-027 Corrosion monitoring for integrity assessment of post-tensioned strands at piedra del aguila spillway.

G. S. Duffo, A. L. Burkart, P. Castro.

L2018-127 Resistance to crack propagation of line pipe steels in sour media using sent specimens.

T. Turkalj, S. Cravero, F. Arroyo, P. Darcis.

L2018-124 Corrosion-erosion monitoring systems for managing asset integrity.

G. Instanes, T. Olsen.

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LUNCH BREAK

<p>L 14:00 14:25</p>	<p>01 CORROSION IN REINFORCED Concrete Structures ROOM 01</p> <p>L2018-103 The constant imaginary component (CIC) electrode in impedance measurements of corroding metals. A. A. Sagiúes, E. A. Paz, H. Mraied.</p>	<p>05 CONTROL OF CORROSION in O&G Production ROOM 02</p> <p>L2018-076 Electromagnetic methods of casing controls. J. Dewees</p>	<p>03 INTEGRITY IN O&G Production and Transportation ROOM 03</p> <p>L2018-146 Corrosion control inside casing pipelines. Eduardo J. Carzoglio.</p>	<p>06 LOCALIZED Corrosion ROOM 04</p> <p>L2018-049 The double loop electrochemical potentiokinetic reactivation method for 304H SS: a round robin evaluation of reproducibility and repeatability. M. E. Gonzalez, M. A. Kappes, M. A. Rodríguez, R. Rebak.</p>
<p>L 14:25 14:50</p>	<p>L2018-082 Oxygen flow and electrical resistivity effect in the corrosion of steel embedded in mortar. E. D. Gómez, D. R. Vazquez, G. S. Duffó.</p>	<p>L2018-096 Dual chemical treatment by a capillary injection system in tight gas wells with corrosion tendencies and liquid loading problems in the neuquina basin. P. Costanza, N. B. Irazuzta, G. A. Páez, F. E. Serén.</p>	<p>L2018-158 Opportunities on the pipeline integrity management for the assets transferred to cenagas – case study. J. Cervantes Aguilar, E.D. Abreu Fernández, F.G. López Contreras, R. Gil Oseguera.</p>	<p>L2018-132 A novel flat cell design to avoid crevice corrosion on electrochemical pitting corrosion measurements. H. I. Pérez, L. Berardo.</p>
<p>L 14:50 15:15</p>	<p>L2018-107 Estimation of service life of concrete reinforcement in marine environments through non-destructive site measurements. G Di Pace R. Torrent.</p>	<p>L2018-097 Improvements in the application of corrosion inhibitors in oil wells. N. B. Irazuzta, G. A. Páez, F. E. Serén.</p>	<p>L2018-050 Corrosion in gas wells, validation of corrosive models with downhole coupon monitoring. Gianni Pietravalli, Eduardo Yoldes.</p>	<p>L2018-118 Development of svet method with simultaneous polarization applied to the study of corrosion of martensitic steel CA-15. Á. Pritzel dos Santos, L.F.P. Dick.</p>
<p>L 15:15 / 15:45 ☕ COFFEE BREAK</p>				
<p>L 15:45 16:10</p>	<p>01 CORROSION IN REINFORCED Concrete Structures ROOM 01</p> <p>L2018-095 Transient measurements of passive corrosion of steel in mortar – nature of the cathodic reaction. A. A. Sagiúes, D. R. Vazquez.</p>	<p>05 CONTROL OF CORROSION in O&G Production ROOM 02</p>	<p>03 INTEGRITY IN O&G Production and Transportation ROOM 03</p> <p>L2018-010 Inspection of the multi-buoy mooring and their influence on the structural integrity of the fuel discharge pipes. G. Talavera, I. Figueroa.</p>	<p>06 LOCALIZED Corrosion ROOM 04</p> <p>L2018-063 Thermal insulation leaching. Composition and assessment of corrosion effects on austenitic steel piping for long term operation. B. Bosco Ackerman, M.J. Arias, V. Díaz, M. Chocron, M.A. Kappes, M.A. Rodríguez, M. Gonzalez.</p>
<p>L 16:10 16:35</p>	<p>L2018-121 Deterioration in concrete reinforced by the effects of so and no in Mexico City. A. Ortiz Prado, F. Sánchez Pérez, E. Romo Martínez.</p>		<p>L2018-162 One company's quest for corrosion management excellence: what it takes to become the best. Elaine Bowman.</p>	<p>L2018-122 Localized corrosion study of AA2024-T3 and AA2198-T8 alloys. J. Salles Pinheiro, P. Atz Dick, L. F. Pinheiro Dick.</p>
<p>L 16:35 17:00</p>	<p>L2018-160 AC impedance prediction for early cement hydration with volcanic ash. A. Husain, A. Al-Aibani, K. Kupwade-Patil.</p>			<p>L2018-161 Opto-electrochemical instruments. K. Habib.</p>
<p>L 17:00 / 20:00 📄 POSTERS SECTION LatinCorr 2018 presents a special section for papers presented in posters format. Meet the complete list of papers that will be presented in this formats by clicking in the following button.</p>				
<p>L 20:00 / 22:00 🍴 GALA DINNER</p>				



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10:00

KEY LECTURES

Corrosion, Metallurgy's Waterloo.

PLENARIA



RAÚL B. REBAK

Researcher at GE Global Research, 1 Research Circle, Schenectady, NY, USA.

01 | CORROSION OF Biomedical Materials

ROOM 01

L2018-106 Oral bio-corrosion study by incorporation of metallic nanoparticles to dental polymer composites.

C. Garín, M. Muñoz, W. González, I. Luque.

02 | CO₂/H₂S ATTACK in O&G Production

ROOM 02

Invited lecture: causes and mechanisms of localized corrosion of mild steel in CO₂/H₂S aqueous environments.

Srdjan Nesic.

03 | CORROSION in the Refinery Industry

ROOM 03

L2018-062 Long-term heat exchanger performance with hyper duplex stainless steel (UNS S32707) under chloride environment in refineries.

F. Beluche Lima, I. Frazão.

04 | CATHODIC Protection

ROOM 04

L2018-091 Derivation of cathodic protection to foreign structures: usage of remote monitoring to analyze, detect and solve the corrosion threat.

I. Magnifico, M. J. Martínez Vasquez.



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L2018-021 Corrosion resistance and biocompatibility of ZR and ZR-2.5NB as materials for permanent implants.

S. B. Farina, D. Olmedo, N. Carrizo, B. Galíndez.

L2018-040 Naphthenic acid corrosion – review.

Jozef Soltis.

L2018-038 Comparative study using boundary elements software of the internal cathodic protection of an AST with formation water.

N. Aldo Pesce, N. Antonio Pesce, G. Pesce.

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COFFEE BREAK

05 | ATMOSPHERIC Corrosion

ROOM 01

L2018-147 Selection of laboratory test to evaluate lacquers and varnishes to protect pipes against atmospheric corrosion.

M. Zapponi.

02 | CO₂/H₂S ATTACK in O&G Production

ROOM 02

L2018-089 Study of flow effects on CO₂ corrosion of carbon steel using a thin channel flow cell.

L.D. Paolinelli, S. Gao, S. Nesic.

03 | CORROSION in the Refinery Industry

ROOM 03

L2018-074 Overhead corrosion problematic in a digital world.

Tatiana Schmitt Barbosa.

04 | CATHODIC Protection

ROOM 04

L2018-130 Low power – hi propagation system to monitor critical parameters for pipelines.

J. Cantó, L. Martínez Martínez de la Escalera, H. Rivera Ramos, L. Martínez Gómez.



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L2018-008 Evaluation of atmospheric corrosion in electrical transmission towers in Chile.

R. Vera, J. Ramírez, B. Valverde, A. Díaz-Gómez, R. Araya, M. Bagnara.

L2018-007 Corrosion performance of 13%CR martensitic stainless steels in supercritical CO₂ environments.

Shuji Hashizume.

L2018-129 Testing, investigation and case study of carbon fiber composite materials for rehabilitation of corroded naphtha piping systems.

M. Kiani, T. Mally, D. Banks, R. Walker.

L2018-128 Estudio del comportamiento de un sistema de protección catódica con diferente forma de corriente.

G. Sánchez, S. Echebarrena.

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LUNCH BREAK

<p>L</p> <p>14:00 14:25</p>	<p>07 MICROBIOLOGICALLY Influenced Corrosion ROOM 01</p> <p>L2018-048 Internal corrosion mechanisms in O&G facilities and their correlations with the existing microbiome. M. C. Pagliaricci, O. Arias, G. Carfi, J. Fasano, W. Morris, W. A. Vargas.</p>	<p>02 CO₂/H₂S ATTACK in O&G Production ROOM 02</p> <p>L2018-024 Cladding and metallic coatings, corrosion evaluation – two case studies. M. Gines, C. Morales, M. Valdez, A. Burkart, S. Rodríguez.</p>	<p>06 CORROSION in Pipelines ROOM 03</p> <p>L2018-025 Failure analysis of a 16" gas pipeline and mitigation actions. C. Morales, S. Cravero, R. Bravo, P. Hryciuk.</p>
<p>L</p> <p>14:25 14:50</p>	<p>L2018-148 Evaluation of desulfovibrio vulgaris adherence on three different polymeric coatings. M. R. Viera, S. E. Rastelli, S. G. Gomez de Saravia, S. Nicolino, V. Rodriguez Bauzada, S. Bruno, M. Zapponi, P. Castro</p>	<p>L2018-036 Reduction of well interventions in a mature field in Ecuador applying a combination of 1% CR carbon steel and premium connections in the production tubing. Karim Azar, Octavio Albores, Claudio Morales, Sergio Hernandez, Carlos Oyatomari.</p>	<p>L2018-059 Long-range microwave detection of wet insulation & corrosion products for CUI mitigation. G. Instanes, T. Olsen.</p>
<p>L</p> <p>14:50 15:15</p>	<p>L2018-086 Monitoring biofouling and biocorrosion. Influence of surface properties in bacterial adhesion to aluminum alloy 6061. E. Linardi, O. J. Opezzo, A. F. Forte Giacobone.</p>	<p>L2018-022 Improved serviceability of coiled tubing by means of new process and material design. C. Morales, M. Valdez, B. Reichert, R. Rolovic.</p>	<p>L2018-157 Stress corrosion cracking – evaluation and mitigation in TGS. Mariana Corsico, Fabian Lara, Sergio Rio.</p>
<p>L 15:15 / 15:45 ☕ COFFEE BREAK</p>			
<p>L</p> <p>15:45 16:10</p>	<p>07 MICROBIOLOGICALLY Influenced Corrosion ROOM 01</p> <p>L2018-085 Microbially induced corrosion in Argentina: a consortium to better understand the dynamics of microbial communities and the biological threats to Oil & Gas facilities. W. Vargas, M.C. Pagliaricci, G. Carfi, J.C. Soria, J. Fasano, W. Morris.</p>	<p>02 CO₂/H₂S ATTACK in O&G Production ROOM 02</p> <p>L2018-023 3%CR, a cost effective solution for sweet corrosion – field experiences. C. Morales, G. Kissner, S. Grill, K. Azar, T. Perez.</p>	<p>06 CORROSION in Pipelines ROOM 03</p> <p>L2018-098 How to select the appropriate internal and external field joint solution. A. Lemuchi, B. Scalise, J. Marciano.</p>
<p>L</p> <p>16:10 16:35</p>	<p>L2018-032 Fourth generation THPS: innovative solutions for severe microbial problems. E. R. Torres, C. Jones.</p>	<p>L2018-112 Corrosion of HSLA steels used in the oil industry by CO₂ in simulated corrosive environment of pre-salt reservoirs. N. F. Lopes, E. M. da Costa, J. C. S. Fernandes.</p>	<p>L2018-087 SCC in pipeline systems, what is the best strategy to manage it? Pedro Guillen.</p>
<p>L</p> <p>16:35 17:00</p>	<p>L2018-047 Evaluation of synergy between corrosion inhibitors and biocides for a wet gas transport system. M. Fernández de Romero, Y. Villasamil, M. Romero.</p>	<p>L2018-033 Effect of material design for high strength grades and its susceptibility to environmental cracking under extreme conditions during wells stimulations in shale formations. R. Mazzina, C. Blanc, G. Kissner, G. Echaniz.</p>	<p>L2018-051 Guidelines on stress corrosion cracking – ARPEL. Pablo Cianciosi.</p>



POSTERS SECTION

POSTER

L2018-003 Failure analysis due to corrosion.

L2018-005 Environmental corrosivity monitoring device in electronic control rooms.

L2018-026 Electrochemical studies of the galvanic corrosion of \$1 Argentine coins

L2018-031 Corrosion Study in SAE 1016 electrogalvanized steel

L2018-054 Evaluation of the localized corrosion resistance of a super duplex stainless steel UNS S-32760 in chloride solutions through the use of electrochemical techniques

L2018-055 Corrosion protection of AZ91D magnesium alloy by a cerium-coating obtained in the presence of citric acid

L2018-056 Corrosion protection of AZ91D magnesium alloy BY a duplex coating

L2018-057 Corrosion resistance improvement of Ti-6Al-4V alloy by anodisation in the presence of molybdate ions

L2018-058 Corrosion protection properties OF Conversion coatings formed onto 316L SS from a solution containing molybdate and salicylate.

L2018-092 Corrosion Resistance of Lean Duplex Steel after Gleeble Simulation.

L2018-102 Investigation of the corrosion behaviour of clad AA2024 anodized in TSA and post-treated in a Ce solution.

L2018-105 Evaluation of Corrosion Inhibitors for Carbon Steel Systems in a medium containing CO₂.

L2018-109 Performance of anti-corrosive coatings epoxy- phosphate of high thickness zinc with addition of montmorillonite clays in accelerated corrosion tests.

L2018-152 Selective dissolution in superduplex overlay welding.

AUTHOR

P. Altamirano, L. Berardo.

C. Carnevali, L. Berardo.

G. S. Duffo, S. B. Farina¹, S. A. Fernández, F. S. Gard.

M. J. Bertucelli, M.N. Inés, M. N Delpupo, G. A. Mansilla.

I. K. Rodríguez Chavez, S. L. Pabón Calderón, M. R. Ortiz.

P. Loperena, I. Lehr, S. Saidman.

A. D Forero López, I. L. Lehr, S. B. Saidman.

A. L. Martínez, D.O. Flamini, S. B. Saidman.

M. B. González, S. B. Saidman.

Elisa Kassab, Lilia Olaya Luengas, José A. da C. Ponciano Gomes, Ivani S. Bott.

O. M. P. Ramirez, F. M. Queiroz, I. Costa, M.G.Olivier, H. G. de Melo.

R. Bastos Vasques, W. Silva Araújo, G. Leitão Vaz, Á. A. Oliveira Magalhães.

D. de Castro Girão, Ú. C. Pereira, W. Silva Araújo, A. de Oliveira Sousa Leite.

J. Martinez, S. Zappa, H. Perez, H. Svoboda, L. Berardo.