

Tuesday –November 20th 17:50 – 19:50	
Tu – 01	Assessment of the effect of GFRP on the corrosion of steel reinforcement in confined RC by EIS B. Sena da Fonseca, A.S. Castela, M.G.S. Ferreira, R.G. Duarte, M.A.G. Silva, <u>M.F. Montemor</u>
Tu – 02	Erosion-Corrosion Resistance of Ni Composite Coatings with Embedded SiC Nanoparticles Johny E. Henao, <u>Franky Bedoya</u> , Maryory A. Gómez, Jorge A. Calderón
Tu – 03	Corrosion Protection of Spray-Deposited Al-Si Alloy by Anodizing Treatments <u>H. Herrera Hernández</u> , R. Abdelarrague, J.M. Juárez García
Tu – 04	Corrosion Behavior of Al-based PVD Multilayer Sacrificial Coatings <u>Sébastien Touzain</u> , Juan Creus, Andréa Perez, Frédéric Sanchette and Alain Billard
Tu – 05	Corrosion behavior of nanotubular oxide layer anodically formed in the Ti6Al7Nb alloy <u>Cristiane R. Martins</u> , Glauber F. Couto, Christiane de A. Rodrigues
Tu – 06	Analysis of the Formation of a Vinyltrimethoxysilane Film on 1010 Carbon Steel Using Electrochemical Techniques Bruno S. Fernandes, Kleber G. da S. Souza, Idalina V. Aoki, Hercilio G. de Melo, <u>Franco D. R. Amado</u>
Tu – 07	Evaluation of the Influence of Experimental Parameters in the Formation of a Vinyltrimethoxysilane Film on 1010 Carbon Steel Through EIS and Contact Angle Bruno S. Fernandes, Kleber G. da S. Souza, Idalina V. Aoki, Hercilio G. de Melo, <u>Franco D. R. Amado</u>
Tu – 08	Corrosion Behavior of Hybrid Xerogel Coating Based on Charged Bissilane Group for Copper Substrate <u>Denise S. Azambuja</u> , Débora S. F. Gay, Sílvia M. Tamborim, Geraldo B. Machado, Tânia M. H. Costa, Edilson V. Benvenuto
Tu – 09	Corrosion Behavior of AA2024 Coated with Phosphonate-containing VTMS/TEOS Viviane Dalmoro, João Henrique Z. dos Santos, <u>Denise S. Azambuja</u>
Tu – 10	Characterization of silane films formed on galvanized steel by means of electrochemical techniques Tiago Lemos-Menezes, <u>Jane Zoppas Ferreira</u> , Rita Sanchez-Tovar, Rafael Leiva-García, José García-Antón
Tu – 11	Influence of tetraethoxy silane addition in siloxane-poly(methyl methacrylate) hybrid films applied on galvanized steel Sandra R. Kunst, Cláudia T. Oliveira, Cícero Inácio da Silva Filho, <u>Victor H. V. Sarmiento</u> , Iduvirges L. Müller, Célia F. Malfatti
Tu – 12	Corrosion Resistance of Tin plate Substrates due to Organic or Inorganic Acid Hydrolysis of Siloxane-poly(methyl methacrylate) Hybrid Films Sandra R. Kunst, Cláudia T. Oliveira, Joseane de Andrade Satana, <u>Victor H. V. Sarmiento</u> , Iduvirges L. Müller, Célia F. Malfatti
Tu – 13	Evaluation of a Sulfursilane Anticorrosive Pretreatment on Galvannealed Steel Compared to Phosphate under Waterborne Epoxy Coating <u>Juliana S. Francisco</u> , Vera R. Capelossi, Idalina V. Aoki
Tu – 14	Corrosion Resistance of Phosphatized and Painted Zinc Coated and Uncoated Steels Using Electrochemical Impedance Spectroscopy <u>Maria M.R. Castro</u> , Tamara S.L. Cavalcante, Vanessa F. C. Lins, Egnalda P.S. Pimenta
Tu – 15	Characterization of Cerium Conversion Coatings using accelerators on Aluminum by Scanning Electronic Microscopy and Scanning Electrochemical Microscopy Karina Cruz Hernández, <u>Francisco J Rodríguez Gómez</u> and Victor M Ugalde Saldívar
Tu – 16	A Combination of Cerium and Niobium Treatments for Corrosion Protection of Electrogalvanized Steel <u>José Mário Ferreira Jr.</u> , Célia R. Tomachuk, Jesualdo L. Rossi, Wagner I. A. Santos, Steve J. Hinder, Mark A. Baker, Isolda Costa
Tu – 17	Evaluation of the Corrosion Behavior of Cr(VI) Free Passivating Treatments for Galvanized

	Steel <u>Victor E. Perez Hernandez</u> , Milton J. Pimenta Segundo, Celia R. Tomachuk, Hercilio G. de Melo
Tu – 18	Electrochemical characterization of passivated electrogalvanized steel <u>Célia R. Tomachuk</u> , Cecilia I. Elsner, Alejandro R. Di Sarli
Tu – 19	Passivation Treatments for Galvanized Steel as Potential Replacements to Chromate Conversion Coatings Marcelo Oliveira, José Mário Ferreira Jr., Wagner I. A. dos Santos, Célia R. Tomachuk, <u>Jesualdo L. Rossi</u> , Isolda Costa
Tu – 20	Passivation of Electrogalvanized Steel with Conversion Coatings in Cr VI-Free solutions Kellie Provazi de Souza, Célia R. Tomachuck, <u>Luis E. M. Palomino</u> , Isolda Costa
Tu – 21	Smart Polyaniline Acrylic Blends Coatings for Corrosion Protection <u>Roberto M. Torresi</u> , Jose E. Pereira da Silva and Susana I. Cordoba de Torresi
Tu – 22	Corrosion resistance of ZnRE alloys <u>Delphine Veys-Renaux</u> , Khadoudj Guessouma, Emmanuel Rocca, Kamel Belhamel
Tu – 23	LEIS to Study Corrosion Protection of AA 2024-T3 by Smart Coating Containing Encapsulated Inhibitors <u>Cosmelina G. da Silva</u> , Christophe Barbé, Elisa Campazzi, Pierre-Jean Lathière, Nadine Pébère, Eric Rumeau, Ludovic Tran, Martine Villatte
Tu – 24	Use of Scanning Vibrating Electrode Technique to Localized Corrosion Evaluation of ASTM F139 Stainless Steel Marked by Laser Eurico F. Pieretti, Sara M. Manhabosco, Luís F. P. Dick, <u>Isolda Costa</u>
Tu – 25	Chemical Descaling of High Temperature Oxides Formed on Low Alloy Steels <u>Pedro C. Hernandez Jr</u> , Vincent Vignal and Luis F. P. Dick
Tu – 26	Monitoring by Electrochemical Noise of TiO ₂ Thin Films Immersed in Synthetic Physiological Media José Fernando Flores-Álvarez, <u>Francisco J. Rodríguez Gómez</u> , Atahualpa O. Garcia-Delgado, Dwight Acosta-Najarro, Carlos R. Magaña-Zavala
Tu – 27	The Naphtenic Acid Number Influence Analysis at the Stainless Steel Corrosion Behavior - Electrochemical Noise Technique <u>Fernanda Hass</u> , Ana C.T. G. Abrantes, Alysson N. Diogenes, Haroldo A. Ponte
Tu – 28	Analysis of current transients of AISI 1020 steel corrosion in sea water using electrochemical noise methods and optical monitoring <u>Emerson C. Rios</u> , Alessandro M. Zimer, Lucia H. Mascaró, Ernesto C. Pereira
Tu – 29	Drag Reducing Additives as a Corrosion Prevention <u>María de L. Elizalde</u> , Jesús D. Robles
Tu – 30	Study of an Anthocyanin as a Corrosion Inhibitor for Aluminum in Water Contaminated with a Mix of Diesel/Biodiesel Rafael do N. Carvas, Hercilio G. de Melo, <u>Isabel C. Guedes</u>
Tu – 31	The role of Mg ²⁺ ions on the corrosion behavior of AA2024-T3 alloys immersed in chloride-containing environments A. Collazo, <u>X.R. Nóvoa</u> , C. Pérez
Tu – 32	Study of Zirconium Addition on CR VI-Free Passivating Layers Applied on Zinc Coated Steel <u>Kellie Provazi de Souza</u> , Célia R. Tomachuck, Luis E. Morales Palomino, Isolda Costa

Thursday –November 22nd

17:30 – 19:30

Th – 01	tw as Main Parameter for the Prediction of Corrosion Speed in Turbulent Flow During the Crude Oil Transportation <u>María de L. Elizalde</u> , <u>Jesús D. Robles</u>
Th – 02	Electrochemical Techniques Using the Rotating Cylinder Geometry as a Method to Prevent Damage in Pipelines <u>Jesús D. Robles</u> , <u>María de L. Elizalde</u>
Th – 03	Experimental Design in the Study of Physical and Chemical Variables in Galvanic Corrosion between Carbon Steel and CuAlBe <u>M. C. P. Cruz</u> , <u>C. M. F. Soares</u> , <u>R. T. Figueiredo</u> ; <u>E. B. Cavalcanti</u> , <u>R. E. Souza</u> , <u>P. M. M. Araújo</u>
Th – 04	Coupons of Corrosion in CuAlNi in the Petroleum Industry: A valuable additional resource in electrochemical techniques <u>M. C. P. Cruz</u> , <u>R. T. Figueiredo</u> , <u>R. E. Souza</u> , <u>P. M. M. Araújo</u>
Th – 05	Study of Lime Addition on Corrosion Resistance of Reinforced Mortar Of Carbon Steel and Galvanized Steel <u>Michele C. C. Oliveira</u> , <u>Vanessa F. C. Lins</u> , <u>Cíntia G. F. Costa</u> , <u>Maria M. R. Castro</u> , <u>Bruno S. Santos</u> , <u>Carlos R. Araujo</u> , <u>Gelmo C. Costa</u> , <u>Elbia S. Pessin</u> , <u>Ana. R. Leite</u>
Th – 06	Corrosion resistance of welded joints of Lean Duplex 2304 stainless steel <u>Cintia G. Fonseca Costa</u> , <u>Dalila M. da Silveira</u> , <u>Carla S. Souza</u> , <u>Ronaldo C. Junior</u> , <u>Frederico R. Campos</u> , <u>Alexandre Q. Bracarense</u> , <u>Vanessa de F. C. Lins</u>
Th – 07	Study of the Corrosion of Steel Superduplex UNS S32750 Involving Different Ferrite / Austenite Ratio in Acid Solutions Containing Chloride <u>Rodrigo R. A. Garcia</u> and <u>Oscar R. Mattos</u>
Th - 08	Influence of Cold Deformation on Semiconducting Properties of the ISO NBR 5832-1 Austenitic Stainless Steel <u>Alexander Hincapie Ramirez</u> , <u>Cristiaann Hincapie Ramirez</u> , <u>Isolda Costa</u>
Th – 09	Electrochemical consequences of inverse macro segregation in skin of high-pressure die cast (HPDC) AZ91 alloy <u>Emmanuel Rocca</u> , <u>Caroline Juers</u> , <u>Stéphane Mathieu</u>
Th – 10	Electrochemical Studies of Aluminium and Aluminium Silicon Alloys in 0.1 mol. L ⁻¹ H ₂ SO ₄ <u>Luana S. dos Santos</u> , <u>Luiza B. Fernandes</u> , <u>Suellen C. R. Miranda</u> , <u>José M. do V. Quaresma</u> , <u>José C. Cardoso Filho</u>
Th – 11	Preliminary Evaluation of Localized Corrosion Using Potentiodynamic and Potentiostatic Techniques <u>Luciana I. L. Lima</u> , <u>Marília M. Lima</u> , <u>Marcelo Ferreira</u> , <u>Ricardo Nolasco</u> , <u>Marina M. D. de Souza</u> , <u>Igor A. de Oliveira</u>
Th – 12	The Effect of Heat Treatment on the Corrosion Resistance of Ti and Ti-Nb Alloys in Fluoride Solution <u>Caio P. Abreu</u> , <u>Luciano M. Silva</u> , <u>Carlos R. Grandini</u> , <u>Sergio L. Assis</u> , <u>Isolda Costa</u>
Th – 13	Investigation of Passive Layers of Incoloy MA 956 and DIN 1.4575 for odontological applications <u>Maysa Terada</u> , <u>Rogério A. Marques</u> , <u>Angelo Fernando Padilha</u> , <u>Isolda Costa</u>
Th – 14	Microstructural and Electrochemical Characterization of Duplex Stainless Steels Friction Stir Welded <u>Marina Magnani</u> , <u>Maysa Terada</u> , <u>Vanessa P. Tallo</u> , <u>Tiago F. A. Santos</u> , <u>Antonio J. Ramirez</u>
Th – 15	Electrochemical investigations of the relationship between grain size and corrosion processes in nanocrystalline grain size range <u>N. Shakibi Nia</u> , <u>A. Godon</u> , <u>J. Creus</u> , <u>X. Feaugas</u> , <u>C. Savall</u>
Th – 16	Internal Conditions Simulation to Control damage in a Carbon Steel Pipeline <u>Jesús D. Robles</u> , <u>María de L. Elizalde</u>
Th – 17	Corrosion Resistance of Nickel and High-Chromium Iron Alloys in Turbocharger Application <u>Alexandra Silvia Matheisen Paroni</u> , <u>Jose Wilmar Calderón-Hernández</u> , <u>Neusa Alonso-Falleiros</u>
Th – 18	Influence of Buffer Solution on the Tafel Parameters by Varying the Cathodic Overpotential Applied on Steel in Chloride Media <u>Marco A. G. Valente Jr.</u> , <u>Rodrigo Della Noce</u> , <u>Assis V. Benedetti</u> , <u>Cecilio Sadao Fugivara</u>

Th – 19	EIS Studies of As-Cast Monotectic Al-Pb and Al-In Alloys in a 0.5 M NaCl Solution <u>Emmanuelle Sá Freitas</u> , Wislei R. Osorio and Amauri Garcia
Th – 20	Application of Electrochemical Impedance Spectroscopy Technique in the Performance Evaluation of Internal Lacquer of the Can/Simulant System <u>Bianca de O. Pelici</u> , Maria Teresa de O. Freire, Gelson A. Conceicao, Eliana S. Kamimura, Celia Marina de A. Freire
Th – 21	Study of the Anodization of Pure Al and Electrolytic Coloring by Pulsed Current <u>Natal N. Regone</u>
Th – 22	An electrochemical and surface analytical study of the degradation of electrode material during pulse electrolysis of water Daniela Hristova, Iva Betova, <u>Tzvety Tzvetkoff</u>
Th – 23	Biocorrosion Study of Aerospace 2024-T3 Alloy Exposed to Different Chilean Air Bases <u>Mamié Sancy</u> , Estivalia Morales, M. Ignacio Azócar, Grace Gómez, Maritza Páez and Nelson Vejar
Th – 24	Corrosion Protection of the Clad on AA2024-T3 by Cerium Based Conversion Coatings <u>Wagner Izaltino A. Santos</u> , José Mário Ferreira Jr., Marcelo de Oliveira, Mark A. Baker, Steve J. Hinder, Isolda Costa
Th – 25	Cathodic Dissolution of Aluminum Alloy AA6061 <u>Adonis Marcelo Saliba Silva</u> , Márcio Dan Kuroiwa, Rafael Henrique Lazzari Garcia, Elita Fontenelle Urano de Carvalho, Michelangelo Durazzo
Th – 26	Uranium Electrochemistry Applied to Mo-99 Irradiation Targets Adonis M. Saliba-Silva, Rafael H. L. Garcia, Eduardo H. Bertin, Elita F. U. Carvalho, <u>Michelangelo Durazzo</u>
Th – 27	Preliminary Study of the Effect of Electrolyte Composition on the Electrochemical Behavior of Alloy 800NG in PWR Secondary Water Environment at 80°C and 250°C <u>Mônica Maria A. M. Schwartzman</u> , Fábio A. Mansur, Célia de A. Figueiredo, Pedro Henrique B. O. Nogueira