

Brazilian time (CET-5)	23 <sup>rd</sup> July - Friday					
	Room Brazil					
	Chairwoman: Zehbour Panossian					
8:00 - 8:50	Plenary Lecture: Oscar Rosa Matos (Brazil) - A discussion about establishing a corrosion mechanism					
FINAL PROGRAM						
	Room AFRICA	Room ASIA	Room EUROPE	Room NORTH AMERICA	Room OCEANIA	Room LATIN AMERICA
	Sponsored by JOTUN	Sponsored by Elsevier	Sponsored by APERAM - video	Sponsored by Interprise	Sponsored by GERDAU - video	Sponsored by GERDAU - video
	Corrosion in Oil & Gas Industry	Corrosion of Non-ferrous Alloys	Mechanically Assisted Corrosion	Metallic and Inorganic Coatings	Corrosion and Scale Inhibitors	Cathodic and Anodic Protection
8:50 - 8:55	Chairwoman: Merlin Bandeira (Brazil) Beginning at 09:25	Chairman: Luiz F. Dick (Brazil)	Chairman: Raul B. Rebak (USA)	Chairwoman: Maritza Paez (Chile) Beginning at 09:25 (CET-5)	Chairman: Guenter Schmitt (Germany)	Chairman: João P. Klausung (Brazil)
	Cochairwoman: Tatiana Almeida (Brazil) Beginning at 09:25 (CET-5)	Cochairman: Hercílio Gomes (Brazil)	Cochairman: Guilherme Koga (Brazil)	Cochairwoman: Jane Zoppas (Brazil) Beginning at 09:25 (CET-5)	Cochairman: André Castro (Brazil)	Cochairman: Mauro Barreto (Brazil)
8:55-9:25	No presentation	<b>Keynote:</b> New Insight into the Role of Intermetallic Particles in Corrosion of Aluminium Alloys <b>Xiaorong Zhou (UK)</b>	<b>Keynote:</b> Electroplating High Strength Steel – An Approach to minimize the Risk for Hydrogen Embrittlement. <b>Tim Gommlich (Germany)</b>	No presentation	<b>Keynote:</b> New Approach to Screening of Plant Extracts as Green Corrosion Inhibitors. <b>Amar Prasad Yadav (Nepal)</b>	<b>Keynote:</b> Cathodic protection of steel in soil and concrete: chemical and electrochemical effects. <b>Fabio Maria Bolzoni (Italy)</b>
9:25-9:45	ICC 2021 - 242: Influence of H <sub>2</sub> S Content on CO <sub>2</sub> Corrosion Behavior of API 5L X80. <b>Gislaine M. B. Nunes et al.</b>	ICC 2021 445 - Effect of 3.5 wt.% NaCl and cathodic charging on the deformation behavior of interruptedly aged AA 7050 alloy. <b>Shweta Shukla et al.</b>	ICC 2021 - 166: SCC occurrence in anhydrous ethanol samples from dedicated and multi-purpose pipeline. <b>Célia A. L. dos Santos et al.</b>	ICC 2021 - 231: Corrosion of Nitrided and DLC-coated SAE 1020, using artificial sweat and 0.6 mol/l NaCl as Corrosive Media. <b>Francisco A. Vicente</b>	ICC 2021 - 141: Synergistic corrosion inhibition mechanism of Calcium lignosulfonate (CLS) and inorganic inhibitors in alkaline environment containing Cl <sup>-</sup> . <b>Bing Lin, Junlei Tang, Yingying Wang</b>	ICC 2021 - 266: Advantages in using remote monitoring to assess effectiveness of cathodic protection in stray current affected areas. <b>Ivano Magnifico</b>
9:45-10:05	ICC 2021 - 243: On the risk of hydrogen embrittlement of steels in a microbiological methanation plant. <b>Gregor Mori et al.</b>	ICC 2021 - 135	ICC 2021 - 432: Alternative dynamic test method to evaluate the susceptibility to Sulfide Stress Corrosion Cracking in High Strength OCTG Steels. <b>Rodrigo Landim et al.</b>	ICC 2021 - 488: Photocathodic Protection of MOFs Modified TiO <sub>2</sub> Films on 304 Stainless Steel. <b>Xiutong Wang et al.</b>	ICC 2021 - 216: Guanine as an Environmentally Friendly Corrosion Inhibitor for Copper and X65 Steel Surfaces in HCl Solution - An Electrochemical and Raman Investigation. <b>Elaine F. Silva et al.</b>	ICC 2021 - 292: Use of alternative backfill in the galvanic cathodic protection about anchor rods of guided transmission tower. <b>José Maurílio da Silva</b>
		ICC 2021 - 309				
		ICC 2021 - 463				
10:05-10:25	ICC 2021 - 338: Corrosion of MnS inclusions of carbon steels by amines: A case of polarity reversal of the galvanic pair. <b>Luís F. P. Dick, Natalia F. Lopes, Rafaela B. Marques</b>		ICC 2021 - 472	ICC 2021 - 411: A Cerium-based nanocoating for corrosion protection of Clad on AA 2024-T3 Alloy. <b>Rafael E. Klumpp et al.</b>	ICC 2021 - 326: Evaluation of carboxymethyl cellulose as ecofriendly corrosion inhibitor for mild steel in neutral NaCl medium. <b>Lisete C. Scienza, Guilherme K. Possani, Eduardo L. Schneider.</b>	ICC 2021 - 283: Corrosion assessment in newly buried pipelines with cathodic protection. <b>João P. K. Gervásio</b>
10:25 - 10:45	ICC 2021 - 376: Flexible pipes: the annular confinement effect on H <sub>2</sub> S embrittlement of armor wires. <b>Merlin C. E. Bandeira et al.</b>		ICC 2021 - 167 - Niobium oxide thin layers characterized by Raman spectroscopy and SEM-FIB. <b>Celia A. L. dos Santos et al.</b>			
				ICC 2021 - 115		
ICC 2021 - 116						
ICC 2021 - 163						
10:45 - 11:05	ICC 2021 - 343		ICC 2021 - 316	ICC 2021 - 197	ICC 2021 - 294	
	ICC 2021 - 467		ICC 2021 - 394	ICC 2021 - 439	ICC 2021 - 103	
			ICC 2021 - 446	ICC 2021 - 470		
				ICC 2021 - 497		
11:05-11:25	BREAK					

	Room AFRICA	Room ASIA	Room EUROPE	Room NORTH AMERICA	Room OCEANIA	Room LATIN AMERICA
	Sponsored by JOTUN	Sponsored by Elsevier	Sponsored by APERAM - video	Sponsored by Interprise	Sponsored by GERDAU - video	
	Corrosion in Oil & Gas Industry	Organic Coatings	Electrochemistry	Corrosion Resistant Materials	Corrosion and Scale Inhibitors	
11:25 - 11:30	Chairwoman: <b>Merlin Bandeira (Brazil)</b>	Chairman: <b>Lorenzo Fedrizzi (Italy)</b>	Chairman: <b>João Salvador (Portugal)</b>	Chairman: <b>Ilsou Palmieri (Brazil)</b>	Chairman: <b>Guenter Schmitt (Germany)</b>	
	Cochairwoman: <b>Tatiana Almeida (Brazil)</b>	Cochairwoman: <b>Denise Freitas (Brazil)</b>	Cochairwoman: <b>Idalina Aoki (Brazil)</b>	Cochairman: <b>Sérgio Tavares (Brazil)</b>	Cochairman: <b>André Castro (Brazil)</b>	
11:30-11:50	ICC 2021 - 398: In-situ determination of the degree of sensitization in austenitic stainless steels. <b>Pablo Altamirano, Mariano Kappes, Martín Rodríguez</b>	ICC 2021 - 139: Development and Application of New Technologies for Prevention of Corrosion in Steel Structures. <b>Bernardo B. Rocha et al.</b>	ICC 2021 - 277: Effect of Elastic Stress on Pitting Behavior of 304L Stainless Steel in NaCl Solution. <b>Jiadong Li, Junlei Tang, Bing Lin</b>	ICC 2021 - 153	ICC 2021 - 306	
				ICC 2021 - 371	ICC 2021 - 311	
				ICC 2021 - 466	ICC 2021 - 346	
				ICC 2021 - 481	ICC 2021 - 367	
11:50 - 12:10	ICC 2021 - 444: Microstructure and preferential pitting corrosion of a 17%Cr multi-phase stainless steel for oil country tubular goods (OCTG). <b>Sergio S.M. Tavares et al.</b>	ICC 2021 - 145: Synthesis of titania nanocontainers with encapsulated dodecylamine as corrosion inhibitor to develop self-healing coatings. <b>Brunela P. da Silva, Idalina V. Aoki</b>	ICC 2021 - 263: A homemade electrochemical hanging droplet cell to evaluate the corrosion resistance of friction stir weld zones of the AA2198-T8 Al-Cu-Li alloy. <b>Isolda Costa et al.</b>		ICC 2021 - 402: Study of a quaternary imidazoline-based corrosion inhibitor for oil and gas industry under high temperature and pressure conditions. <b>Paulo Edson da Silva Junior; Idalina V. Aoki</b>	
12:10 - 12:30	ICC 2021 - 457: Effect of oxygen content in back purging gas on localized corrosion resistance of Nickel-Alloy Cladding Welded Joints <b>Tatiana C. Almeida et al.</b>	ICC 2021 - 190: Anticorrosion and Antifouling performance of advanced polymer-graphene based nanocomposite coatings. <b>Daniel J. Blackwood et al.</b>	ICC 2021 - 171		ICC 2021 - 330: Evaluation of a novel Schiff Base as greener corrosion inhibitor for API P110 carbon steel in acidizing fluids. <b>Luana B. Furtado et al.</b>	
			ICC 2021 - 348			
			ICC 2021 - 385			
			ICC 2021 - 421			
12:30 - 12:50	ICC 2021 - 483: Real-time corrosion prediction of carbon steel in diluted and concentrated ammonium chloride solutions. <b>Wilhelmus M. Bos et al.</b>	ICC 2021 - 320: Bio-based epoxy coatings for corrosion protection. <b>Leonardo Lannucci et al.</b>	ICC 2021 - 453		ICC 2021 - 500: Chemical Cleaning of pre-operational Boilers (new), and operational Boilers. <b>Asdrubal Alvim; Lucas Neder</b>	
			ICC 2021 - 473			
			ICC 2021 - 474			
12:50-13:00			ICC 2021 - 475	ICC 2021 - 477		
				ICC 2021 - 362		
13:00-13:05	BREAK					
	Room Brazil					
	CLOSING CEREMONY					
13:05 – 13:15	Congress Resumé by Congress President (Zehbour Panossian)					
13:15 – 13:25	Resumé on Congress (Günter Schmitt – ICC President): Edward Greco Award (Zehbour Panossian) and Past-Chairman Award (Carlos Arroyave)					
13:25 – 13:30	Handover ICC Presidency (Günter Schmitt – Emma Angelini)					
13:30 – 13:40	Brazilian awards (Zehbour Panossian): Vicente Gentil Award, Aperam Award, INTERCORR Poster Award, Exposition Drawing for visitors					
13:40 - 13:50	Statement of new ICC president + ICC-flag handover to next host (Emma Angelini)					
13:50 - 13:55	Host 22 <sup>nd</sup> ICC Congress 2021 (representative)					
13:55 – 14:00	Farewell (Emma Angelini)					

POSTER	TITLE / AUTHORS
ICC 2021 - 103	Evaluation of galvanic anode for patch repair of concrete structures deteriorated by chloride ion-induced corrosion. <a href="#">Adriana de Araujo</a> et al.
ICC 2021 - 114	Corrosion inhibition of carbon steel in 0,1 mol.L <sup>-1</sup> H <sub>2</sub> SO <sub>4</sub> solution by aqueous extract of Morinda Citrifolia L. <a href="#">Aline Santos Lima</a> et al.
ICC 2021 - 115	Microemulsified systems based on passion fruit oil as potential green corrosion inhibitors for carbon steel P110 in saline medium saturated with CO <sub>2</sub> . <a href="#">Aline V. Souza</a> et al.
ICC 2021 - 116	Study of sodium nitrite effect as corrosion inhibitor of AISI 1010 carbon steel expose in aggressive environment. <a href="#">Allan Rodrigues da Silva</a> et al.
ICC 2021 - 135	The corrosion behavior on AA2050-T84 and AA7050-T7451 welded and non-welded by FSW. <a href="#">Bárbara V. G. Viveiros</a> et al.
ICC 2021 - 153	Characterization of the corrosion behavior of Fe-Co-Cr-Ni high entropy alloy, <a href="#">Camila B. Nascimento</a> , Carlos R. Triveno, Renato A. Antunes
ICC 2021 - 163	Carbon steel corrosion controlled by imidazoline-based in medium containing chloride: effects O <sub>2</sub> and CO <sub>2</sub> . <a href="#">Carlos Vinícius R. P. de Queiroz</a> et al.
ICC 2021 - 171	Ethanol Corrosivity Evaluation by Electrochemical Impedance Spectroscopy (EIS) in Gasoline Direct Injection (GDI) Flex Fuel Engine Oil. <a href="#">Charles L.B. Assunção</a> , Erika C.A.N. Chrisman, Leila Y. Reznik
ICC 2021 - 197	Synergistic effect of a combination of layered hydroxide salt and layered double hydroxide containing different corrosion inhibitors in an organic coating for active corrosion protection of carbon steel. <a href="#">Débora Abrantes Nunes Leal</a> et al.
ICC 2021 - 294	Study of cathode superficial pH during cathodic protection. <a href="#">Jose Victor de O. Goudar</a> , Denise Souza de Freitas, Simone Louise D. C. Brasil.
ICC 2021 - 306	Study of the potentiality of Ginkgo Biloba based extract as a corrosion inhibitor. <a href="#">Karine Dantas de Araújo Freitas</a> et al.
ICC 2021 - 309	Corrosion Characteristics of Secondary Phases in WE43 Magnesium Alloys Under Various Exposure Conditions. <a href="#">Kai Xiang Kuah</a> , Sudesh L. Wijesinghe, Daniel J. Blackwood
ICC 2021 - 311	Evaluation of corrosion control on carbon steel using amino phosphonic acids. <a href="#">Larissa Araujo Carvalho</a> et al.
ICC 2021 - 316	Morphological and structural study of anodized titanium grade 2, using HCl in aqueous solution. <a href="#">Leandro G. González</a> , et al.
ICC 2021 - 343	Corrosion and mechanical destruction of pipeline steels under the influence of increased temperature and carbon dioxide pressure. <a href="#">Maksishko Yuliiq</a> et al.
ICC 2021 - 346	Evaluation of mate leaf extract as corrosion inhibitor for SAE 1020 carbon steel in HCl. <a href="#">Marcelo Gadelha de Lima</a> et al.
ICC 2021 - 348	Rouge Development in 316L Stainless Steel Used in Pharmaceutical Water Purification Systems, Impacts on Pharmaceutical Industries. <a href="#">Marcos A. Lopes</a> et al.
ICC 2021 - 362	Reuse of espresso spent coffee ground waste as a green corrosion inhibitor. <a href="#">Dalva Lago</a> et al.
ICC 2021 - 367	The influence of temperature on the performance of amine-based inhibitor in 3.5wt.% NaCl solution saturated with CO <sub>2</sub> . <a href="#">Marjory Moreira Levy</a> et al.
ICC 2021 - 371	Diffusion and trapping of hydrogen due to elastic interaction with eta-Ni <sub>3</sub> Ti precipitates in Custom 465® stainless steel. <a href="#">Mati Shmulevitch</a> et al.
ICC 2021 - 385	Evaluation of composite flexible pipes: barrier behavior with electrochemical impedance for offshore application. <a href="#">Murilo B. Valerio</a> et al.
ICC 2021 - 394	Investigation of a Ce post-treatment step on the corrosion behavior of AA2024-T3 anodized in TSA. <a href="#">Oscar M. P. Ramirez</a> , Marie-Georges Olivier, Hercilio G. de Melo.
ICC 2021 - 421	Effect of aging time on intergranular corrosion of duplex stainless steel UNS S32205. <a href="#">Raphael F. Assumpção</a> et al.
ICC 2021 - 439	Inhibition of 1018 carbon steel corrosion in aerated and deaired CO <sub>2</sub> saturated salin solution by using Histidine. <a href="#">Saulo J. M. Magalhães</a> , Milena, J. S. Moura ; Walney S. Araújo
ICC 2021 - 446	Corrosion in carbon steel and galvanized carbon steel pipes used to transport drinking and industrial water, <a href="#">Sidney Oswaldo Pagotto Júnior</a> , Neusvaldo L. de Almeida,
ICC 2021 - 453	A novel electronic bridge for electrochemical measurements for high pressure electrochemical measures. <a href="#">Tarcísio Henrique C. Pimentel</a> et al.
ICC 2021 - 463	Effect of heat treatment on corrosion behavior of Cu-Al-Ni-Mn shape memory alloy produced by spray forming, <a href="#">Vanessa F. C. Lins</a>
ICC 2021 - 466	Characterization of Interference Nanofilms Grown on Austenitic and Ferritic Stainless Steel Surface by Alternate Pulse Current. <a href="#">Vanessa de Freitas Cunha Lins</a> .
ICC 2021 - 467	Corrosion testing of Steel 9% Ni for cryogenic applications in 3.5% NaCl. <a href="#">Vassiliou Panayota</a> et al.
ICC 2021 - 470	Scaling control on stainless steel using an amino phosphonic acid. <a href="#">Victor Hugo Cardozo Americano Rego</a> et al.
ICC 2021 - 472	Parametric study of the corrosion-erosion kinetics of Zr in the presence of a two-phase jet. <a href="#">Vinicius S. Teixeira</a> et al.
ICC 2021 - 473	Resistance to pitting in different chloride concentrations of AISI 316L steels modified with niobium additions. <a href="#">Vitor S. Rolin</a> et al.
ICC 2021 - 474	Comparative study of pitting resistance between different austenitic, ferritic and duplex stainless steels. <a href="#">Vitor S. Rolin</a> et al.
ICC 2021 - 475	Corrosion and pitting resistance of AISI 316L stainless steel modified with niobium. <a href="#">Vitor S. Rolin</a> et al.
ICC 2021 - 477	Anticorrosive properties of centrifugation residue from the grape juice industry as green corrosion inhibitors for carbon steel in 0.1 mol/L Na <sub>2</sub> SO <sub>4</sub> medium. <a href="#">Vitória Marujo Moura</a> et al.
ICC 2021 - 481	Influence of heat treatment time at 675°C in localized corrosion of AISI 304 and 304L stainless steels. <a href="#">Warlen Alves Monfardini</a> et al.
ICC 2021 - 497	Phyllogorgia dilatata: a novel natural corrosion inhibitor for mild steel in acid medium. <a href="#">Caio M. Fernandes</a> et al.