Brazilian time (CET-5)	21 st July - Wednesday									
	Room BRAZIL									
		Chairman: : V. S. Raja								
8:00 - 8:50	Plenary Lecture: Randa Abdel-Karim (Egypt) - The Corrosion Resistance and Hydrophobic Properties of Electrodeposited Ni-Cu Foams Used as Electrodes for Supercapacitors									
8:50 - 9:40	Plenary Lecture: Gerald S. Frankel (USA) - A New Paradigm for Designing Corrosion Resistant Materials									
		FINAL PROGRAM								
	Room AFRICA	Room ASIA	Room EUROPE	Room NORTH AMERICA	Room OCEANIA	Room LATIN AMERICA				
	Sponsored by Vidya - video	Sponsored by WEG	Sponsored by SANDVIK - video	Sponsored by Brasmetal	Sponsored by GERDAU - video	Sponsored by APERAM - video				
	Corrosion in Oil & Gas Industry	Organic Coatings	Electrochemistry	Metallic and Inorganic Coatings	Civil Engineering Structures	Corrosion of Archaeological and Historical Artefacts				
9:40 - 9:45	Chairwoman: Merlin Bandeira (Brazil)	Chairman: Lorenzo Fedrizzi (Italy) Beginning at 10:15 (CET-5)	Chairman: João Salvador (Portugal)	Chairwoman: Maritza Paez (Chile)	Chaiman: Mauricio Martins (Brazil)	Chairwoman: Emma Angelini (Italy)				
	Cochairwoman: Tatiana Almeida (Brazil)	Cochairwoman: Denise Freitas (Brazil) Beginning at 10:15 (CET-5)	Cochairwoman: Idalina Aoki (Brazil)	Cochairwoman: Jane Zoppas (Brazil)	Cochairwoman: Adriana Araujo (Brazil)	Cochairwoman: Anna Ramus (Brazil)				
9:45 - 10:15	Keynote: Transport and Injection of CO2 with Impurities - Corrosion Challenges. Arne Dugstad (Norway)	No presentation	Keynote: Electrochemical and Biological Response of Advanced Titanium Alloys in Physiologically-Relevant Environments.	Keynote: Insights into the Fabrication of Self-Ordered Titanium Dioxide Nanotube Layers and Electrodeposition of 1D Zinc Nanostructures using Deep Eutectic Solvents. Mário Ferreira (Portugal)		Keynote: Tailored strategies against corrosion of metallic Cultural Heritage. Emma Angelini (Italy)				
10:15 - 10:35	ICC 2021 - 443: Intergranular corrosion of surface cemented layer of supermartensitic stainless steel used for mandrels for chemical products injection in the wheel. <u>Sérgio S. M.</u> <u>Tavares</u> et al.	ICC 2021 - 105: Uncertainty Estimation in Paint Quality Control to Improve Paint Standards of the Brazilian Electrical Sector. Alberto P. Ordine et al.	metallurgy with different	ICC 2021 - 155: Influence of hotstamping process on the corrosion initiation and properties of corrosion products at the surface of 22MnB5 steel metallic coated with hot-dip AlSi <u>Camila P. Couto</u> et al.	injection Diogo Nicoletti , <u>Juliana L.</u>	ICC 2021 - 319: Atmospheric corrosion of a bronze sculpture: the case study of an equestrian monument <u>Leila Es Sebar</u> et al.				
10:35 - 10:55		ICC 2021 - 107: The effect of wet abrasive blasting parameters on the anticorrosive performance of a coating system used in buried structures Cristina C. Amorim et al.	300 in different concentrations of	ICC 2021 - 327: The effect of Zr-based conversion nanoceramic treatments on the electrochemical behavior of 2024 e 7475 aluminum alloys. Lisete Cristine Scienza et al.		ICC 2021 - 427: Electrochemical analysis of the protective capability of a SiO ₂ nanolayer over a copper sulphate patina as an alternative of conservation of historical metallic heritage. Ricardo Orozco Cruz et al.				
	investigation of the electrolyte renewal effect on API X65 corrosion in sweet and	produce a self-healing effect in	property of the Pd20Pt20Cu20Ni20P20 metallic	ICC 2021 - 113: 2D pit growth in Mg thin films Aline D. Gabbardo, G. S. Frankel	ICC 2021 - 300: 'Interpretation of potential measurements of three embedded rebars in prismatic concrete test specimen. Juliana L. Cardoso et al.	ICC 2021 - 249				
10:55 - 11:15						ICC 2021 - 476				
						ICC 2021 - 426				
11:15 - 11:35	tensile armors of flexible pipes in confined environment containing	and anticorrosive performance of a shape-memory epoxy coating.	ICC 2021 - 390: Potentiostats and electrodes: use, compounds, disadvantages and function for Electrochemical Corrosion Research Nyccolas E. de Souza	ICC 2021 - 119	ICC 2021 - 184					
				ICC 2021 - 469	ICC 2021 - 191	ICC 2021 - 331 Environmental monitoring for corrosion assessment: the Colombian case studies. Luca Lombardo et al.				
				ICC 2021 - 129	ICC 2021 - 464					
				ICC 2021 - 164	ICC 2021 - 102					
11:35 - 11:55			В	REAK						

	Room AFRICA	Room ASIA	Room EUROPE	Room NORTH AMERICA	Room OCEANIA	Room LATIN AMERICA
	Sponsored by Vidya - video	Sponsored by WEG	Sponsored by SANDVIK - video	Sponsored by Brasmetal	Sponsored by GERDAU - video	Sponsored by APERAM - video
	Corrosion in Oil & Gas Industry	Organic Coatings	Electrochemistry	Metallic and Inorganic Coatings	Civil Engineering Structures	Atmospheric Corrosion
11:55 - 12:00	Chairwoman: Merlin Bandeira (Brazil)	Chairwoman: Denise Freitas (Brazil)	Chairman: João Salvador (Portugal)	Chairwoman: Maritza Paez (Chile)	Chaiman: Mauricio Martins (Brazil)	Chairman: Daniel de la Fuente (Spain)
	Cochairwoman: Tatiana Almeida (Brazil)	Cochairman: Gabriel Leoni (Brazil)	Cochairwoman: Idalina Aoki (Brazil)	Cochairwoman: Jane Zoppas (Brazil)	Cochairwoman: Adriana Araujo (Brazil)	Cochairman: Walney Silva (Brazil)
12:00 - 12:20	Itormation of API X65 carbon steel	ICC 2021 - 260: Carbon nanotubes in	ICC 2021 - 425: Contributions of scanning electrochemical microscopy to the characterization of metal-inhibitor and metal-coating systems for corrosion protection Ricardo M. Souto, Javier Izquierdo, Juan J. Santana.	corrosion protection properties of binary Fe-Al alloys-intermetallics.	concrete-pore simulated solution. <u>Juliana L. Cardoso</u> ; Rafael Ribeiro Urano	steel in atmospheric environment by applying data science. Masataka
	Omer		ICC 2021 - 202: Application of Bipolar Electrochemistry for Corrosion Research. <u>Dirk L</u> <u>Engelberg</u> , Yiqi Zhou	complexing agent as a chelating agent in the copper from non-cyanide electrolytes. Fabián Andree	cementitious matrices cured by	ICC 2021 - 414: Effect of process cleanliness on the corrosion reliability of electronics. Rajan Ambat, Kamila Piotrowska
	ICC 2021 - 235: Influence of the salt on CO ₂ corrosion of Martensitic Carbon Steel in packer fluid. Gabriela G. P. Souza et al.	ICC 2021 - 363: Evaluation of graphene's influence over an anticorrosive polymer coating applied on carbon steel. Mario N. B. Junior et al.	ICC 2021 - 461: Austenitic Stainless Steel behavior on pitting corrosion resistance due to different levels of strain hardening. Tiago S. Lima, Willian S. Labiapari, Lucio Bailo	ICC 2021 - 130	ICC 2021 - 303: Corrosion behavior of Dual-Coated (Zinc/Epoxy) Rebars in Pore-Simulated Solution with and without Chloride. Mayara S. Pacheco, Juliana L. Cardoso, Zehbour Panossian	
12:40 - 13:00				ICC 2021 - 232		
				ICC 2021 - 238		
				ICC 2021 - 286		
	ICC 2021 - 424: The influence of rotating cage geometry and baffles on the wall shear stress equation in sweet/sour corrosion. Rhuan C. Souza et al.	ICC 2021 - 374: Corrosion barrier properties of PMMA-silica coatings for protection of reinforcing steel <u>Mayara</u> <u>C. Uvida</u> et al.	ICC 2021 - 161	ICC 2021 -109	ICC 2021 - 372: Technical and economic feasibility to use alloyed steel bars and hot-dip zinc coated bars in reinforced concrete structures with carbonation-induced corrosion. Mauricio S. Martins, Zehbour Panossian	
			ICC 2021 - 273	ICC 2021 - 264		
13:00 - 13:20						
	ICC 2021 - 132: Flexible pipes - Corrosion of Armour Wires in Annulus Arne Dugstad	ICC 2021 - 357				
		ICC 2021 - 361			ICC 2021 - 471: Corrosion time initiation modelling in nonhomogeneous concrete structures using the transient Boundary Element approach Vinícius B. Souza, Edson D. Leonel	
1 3 7 1 1 3 7 1 1						
		ICC 2021 - 447				
13:40 - 14:00	ICC 2021 - 281: Corrosion and Protection of Pipe in Carbon Capture and Storage Operation and Oil & Gas Industry. Chong Sun, Jing Liu, <u>Jing-Li</u> <u>Luo</u> .	ICC 2021 - 365			ICC 2021 - 501	

POSTER	TITLE / AUTHORS			
ICC 2021 - 102	Inspection of the apparent concrete façades of Vilanova Artigas, modern Brazilian heritage building with 50 years of service life. Adriana Araujo et al.			
ICC 2021 - 109	Incorporation of niobate ions into oxide layers on aluminum by a two-step anodizing process. Alessandra Konrath, Luís F. P. Dick.			
ICC 2021 - 119	Study of the hydrophobicity of coatings based on niobium pentoxide(Nb ₂ O ₅). Ana Laura D. M. Campista, Ladimir J. de Carvalho, Simone Louise D. C. Brasil.			
ICC 2021 - 129	The role of roughness of inorganic conversion coatings on the stability of alumina film in saline medium. Antonio V. C. Braga, Dalva C. B. Lago, Lilian F. Senna.			
ICC 2021 - 130	Production and characterization of anticorrosive alumina film/inorganic conversion coatings 304L stainless steel systems for biomedical application. Antonio Vitor C. Braga et al.			
ICC 2021 - 160	Study of the effects of solution pH in the corrosion resistance of Endur 300 and UNS \$41003 alloys. Carlos Henrique B. Queiroz et al.			
ICC 2021 - 161	Study of the corrosion resistance of Endur 300 and UNS S41003 alloys in different pH electrolytes. Carlos Henrique B. Queiroz et al.			
ICC 2021 - 164	Evaluation of different galvanization methods. <u>Caroline C. Rodine</u> et al.			
ICC 2021 - 184	Integrity of reinforced concrete structures of old buildings located in the coastal region of Fortaleza city exposed to the chloride ion action. Daniel C. Girão et al.			
ICC 2021 - 191	Microencapsulation of methylmethacrylate to reinforced concrete addition for achieving self-healing and anticorrosive properties. <u>Daniel Valério</u> , Idalina V. Aoki			
ICC 2021 - 232	Evaluation of structure, heterogeneities, thickness and corrosion protection of electrodeposited sol-gel superhydrophobic coatings. Gabriel B. Leoni et al.			
ICC 2021 - 238	Influence of pH and concentration on zirconium-based coating in T6-7076 aluminum alloy. <u>Germano C. Rosa</u> , Jane Zoppas-Ferreira, Jessica P. Salles.			
ICC 2021 - 249	Characterization of patinas on recent bronze sculptures in Zagreb city centre. Helena O. Curkovic, Dajana Mikić, Angela Kapitanović			
ICC 2021 - 264	Influence of anodizing parameters on roughness of aluminum alloy 2024. Israel L.M. Gonçalves et al.			
ICC 2021 - 273	Effect of pulsed and spray multipass MAG welding on the corrosion resistance of 316L stainless steel. <u>Jefferson S. P. Santos</u> et al.			
ICC 2021 - 286	Enhance of the corrosion resistance of Niobium by PEO coating. David Quintero, Walney S. Araujo, <u>Jorge A. Calderón.</u>			
ICC 2021 - 357	Development of PMMA-CeO ₂ anticorrosive hybrid coatings with self-healing property. Mariana Selvaggio Rodrigues et al.			
ICC 2021 - 361	Incorporation of alternative conductive particles in zinc rich paints and its influence on mechanical properties and corrosion protection. Marília Santos Menossi Mortari et al.			
ICC 2021 - 365	A smart protocol to protect AA2024 against corrosion. Maritza Paez et al.			
ICC 2021 - 399	Improving zinc-rich epoxy primer performance with lamellar zinc incorporation. Paloma Vieira dos Santos et al.			
ICC 2021 - 426	Innovation of conservation treatment in metallic cultural heritage: SiO ₂ -rust converted hybrid film. Ricardo Orozco Cruz et al.			
ICC 2021 - 447	Development of new qualification standards for painting schemes for Sabesp, a state water and waste management company. Sidney Oswaldo Pagotto Júnior et al.			
ICC 2021 - 464	Corrosion inhibition of carbon steel by oil palm fiber powder in carbonated concrete pore solution in presence of chloride ions. Vanessa F. C. Lins.			
ICC 2021 - 469	Experimental design for improvement of electrodeposited silane/zinc coating. Victor Hugo C. A. Rego, Gabriel B. Leoni, Simone L. D. C. Brasil.			
ICC 2021 - 476	Voltammetry of Microparticles (VMP) in the analysis of metals and alloys. <u>Vitoria H. F. Menezes</u> , Hercílio G. de Melo			
ICC 2021 - 501	Evaluation of an Organic Green Corrosion Inhibitor in Synthetic Concrete Pore Solution to Protect Steel Rebars. Loreto J. Pamatmat Dacio et al.			