

Poster programme

Cathodic Protection	
7041	EPIC new 16" Jet A1 fuel pipeline (external coating case study) <u>N. Hamdy</u> , PETROJET, Cairo/ET
7739	Impressed current cathodic protection (ICCP) Ti-MMO grid system for 61 m diameter methanol tank <u>F. Al-Fawaz</u> , Saudi Basic Industries Cooperation-SABIC, Jubail Industrial City/SAR
Coatings for High Temperatures	
7732	Wavelet transform electrochemical noise analysis for intermetallic coatings at 750 °C in molten salt environment A. Garcia, Universidad de Sonora/MEX; E.F. Díaz, <u>S. Serna</u> , J. Colin, A. Torres-Islas, M.A. Lucio-Garcia, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX
7588	Development of Fe doped Ni-Co spinel for use in SOFC interconnects <u>A. Bervian</u> , G.A. Ludwig, M.A. Korb, C.F. Malfatti, University Federal of Rio Grande do Sul, Porto Alegre/BR
7574	Influence of CaO and CeO₂ coatings on the oxidation of nickel polycrystals <u>Z. Halem</u> , Bouira University/DZ; N. Halem, Tizi-Ouzou University/DZ; S. Chekroude, Constantine University/DZ; M. Abrudeanu, Pitesti University/RO; G. Petot-Ervas, Ecole Centrale des Mines, Paris/F
7667	The effect of the a double coating layer-oxide phase (NiFe₂O₄) combined with perovskite phase (La_{0.6}Sr_{0.4}CoO₃) on a ferritic stainless steel D.A.S. Lima, <u>G.A. Ludwig</u> , M.A. Korb, A. Bervian, C.F. Malfatti, I.L. Müller, Federal University of Rio Grande do Sul, Porto Alegre/BR
7668	Oxidation resistance ferritic stainless steel AISI 430 coated with spinel based Fe doped Ni-Co <u>A. Bervian</u> , G.A. Ludwig, M.A. Korb, C.F. Malfatti, Federal University of Rio Grande do Sul, Porto Alegre/BR
Corrosion & Corrosion Protection of Drinking Water Systems	
7396	Failure analyses of localised corrosion damages on stainless steels - practical examples I. Juraga, V. Alar, <u>V. Simunovic</u> , I. Stojanovic, University of Zagreb/HR
7405	Investigations of the corrosion behaviour of stainless steel in contact with ECA-generated disinfectant fluids <u>M. Dimper</u> , A. Ahrens, S. Reimann, BAM - Federal Institute of Material Research and Testing, Berlin/D
7738	Failure analysis of firewater pipeline <u>S. Al Subai</u> , K. Barai, M. Esteban, Saudi Basic Industries Corporation (SABIC), Jubail/SAR
7281	In-plant corrosion investigation on steels in distillery effluents <u>A. Singh</u> , C. Sharma, C. Ram, I.I.T. Roorkee, Saharanpur/IND

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7609	<p>Biocorrosion evolution in a laboratory copper pipe ageing system <u>D. Fischer</u>, L. Daille, C. Galarce, R. De la Iglesia, G. Pizarro, I. Vargas, Pontificia Universidad Católica de Chile, Santiago/RCH</p>
Corrosion and Scale Inhibition	
7182	<p>Corrosion resistance of austenitic and duplex stainless steels in chloride containing alkaline environments <u>H. Peltola</u>, M. Martikainen, M. Lindgren, Outotec Research Center, Pori/FIN</p>
7212	<p>Adsorption and passivation of copper in neutral solutions by some heterocyclic corrosion inhibitors M.O. Agafonkina, <u>Y.I. Kuznetsov</u>, N.P. Andreeva, Institute of Physical Chemistry and Electrochemistry RAS, Moscow/RUS</p>
7748	<p>Conversion coatings of lanthanide salts on aluminium alloy as a potential replacement of chromate coatings <u>B. Volaric</u>, I. Milosev, Jozef Stefan Institute, Ljubljana/SLO</p>
7461	<p>Green corrosion inhibition from aqueous extract of <i>Zygophyllum album</i> L for carbon steel in hydrochloric acid medium <u>H. Derfouf Talbi</u>, Bechar University/DZ; Y. Harek, Abou Bakr Belkaid, Tlemcen/DZ</p>
7163	<p>Novel cationic surfactant based on triazole as a corrosion inhibitor for carbon steel in phosphoric acid produced by dihydrated wet process <u>M.A. Hegazy</u>, Egyptian Petroleum Research Institute (EPRI), Cairo/ET</p>
7294	<p>Effect of Zr on intergranular corrosion of low Cr ferritic stainless steel <u>J.H. Park</u>, K.Y. Kim, Pohang University of Science and Technology/ROK</p>
7325	<p>Orange peel as green corrosion inhibitor - assessment of hesperidin, naringin and synephrine efficiency <u>M.V.C. Monteiro</u>, J.C. Rocha, J.A.C. Ponciano Gomes, Federal University of Rio de Janeiro/BR</p>
7517	<p>Influence of the lithium molybdate inhibitor on the corrosion resistance of a duplex stainless steel in LiBr absorption machine M.J. Muñoz-Portero, J. Rubio-Cervera, R. Leiva-García, <u>J. García-Antón</u>, Universidad Politecnica de Valencia/E</p>
7558	<p>2HEABu corrosion-inhibitor action in aggressive medium on API X70 substrate M.R. Ortega Vega, <u>S.R. Kunst</u>, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR; S. Mattedi, M. Iglesias, Universidade Federal da Bahia, Salvador/BR; C.F. Malfatti, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR</p>
7567	<p>Inhibition efficiency of 3,4-diaminobenzonitrile against steel corrosion <u>G. Sigircik</u>, T. Tüken, M. Erbil, Çukurova University, Adana/TR</p>
7596	<p>Electrochemical study of the inhibitive effect a new prepared quinoline derivative on the corrosion of steel in 3.5% NaCl solution <u>N. Hassan</u>, City of Scientific Research and Technology Applications, Alexandria/ET; N.A. Abdelghany, National Research Center, Cairo/ET; R.M. El-Shishtawy, King Abdulaziz University, Jeddah/SAR; S. Khalil, Alexandria University/ET</p>

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7126	Rosmarinus officinalis use as eco-friendly corrosion inhibitor carbon steel in acid solution <u>M.A. Velázquez-González</u> , J.G. Gozález-Rodríguez, M.G. Valladares-Cisneros, Universidad Autónoma del Estado de Morelos/MEX
7814	The effect of chloride concentration on copper protection <u>N. Kicir</u> , T. Tüken, M. Erbil, Çukurova University, Adana/TR
7164	Three novel bolaamphiphiles as corrosion inhibitors for carbon steel in hydrochloric acid: experimental and computational study <u>M.A. Hegazy</u> , Egyptian Petroleum Research Institute (EPRI), Cairo/ET; M.K. Awad, Tanta University/ET
7689	Environmentally friendly carboxylate inhibitors for heating and cooling (HVAC) systems M. Ahmed, The Manchester University/UK
7710	Corrosion inhibition of ground anchors steel in HCl by H₂S-scavenger in HCl solution <u>J. Malina</u> , University of Zagreb, Sisak/HR; F. Kapor, University of Zagreb, Zagreb/HR; A. Begic Hadzipasic, University of Zagreb, Sisak/HR
7172	Causes and control of corrosion in drinking water distribution systems <u>F. Rohuma</u> , Great Man Made River Project, Benghazi/LAR; I. Ahmad, Arabian Gulf Oil Company, Benghazi/LAR
7745	Combination of stearic acid and benzotriazole as corrosion inhibitors for Cu and Cu40Zn in artificial urban rain <u>G. Zerjav</u> , I. Milosev, Jozef Stefan Institute, Ljubljana/SLO
Corrosion by Hot Gases and Combustion Products	
7573	Effect of the presence of water vapour on the high temperature oxidation of Co-10Ni-30Cr and Co-10Ni-30Cr-0.5C alloys A. Leroy, A. Navet, Lycée Henri Loritz, Nancy/F; Th. Schweitzer, L. Aranda, <u>P. Berthod</u> , University of Lorraine, Vandoeuvre-lès-Nancy/F
7575	Carbide transformations occurring between 1000 and 1100°C in the sub-surface of a Ni-25Cr-0.50C alloy induced by hot oxidation <u>P. Berthod</u> , E. Conrath, University of Lorraine, Vandoeuvre-lès-Nancy/F
7615	Kinetic of oxidation of chromium-rich HfC-containing Co-based and Ni-based alloys between 1000 and 1100°C <u>E. Conrath</u> , P. Berthod, University of Lorraine, Vandoeuvre-lès-Nancy/F
7535	Effect of sulfur on the KCl-induced high temperature corrosion of selected Fe-based and Ni-based alloys <u>S. Kiamehr</u> , K.V. Dahl, TU of Denmark, Lyngby/DK; T. Jonsson, Chalmers University of Technology, Göteborg/S; M. Montgomery, M.A.J. Somers, TU of Denmark, Lyngby/DK

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7611	<p>Kinetic of oxidation at 1000, 1100 and 1200°C of 32.5wt.% Cr-containing Co-based alloys reinforced by hafnium carbides <u>E. Conrath</u>, P. Berthod, University of Lorraine, Vandoeuvre-lès-Nancy/F</p>
Corrosion in Aerospace	
7715	<p>Characterization of corrosion resistance of chromium-free coatings for aeronautical application L. Belsanti, CNR-ISMAR, Genoa/I; E. Forchin, Agusta Westland, Varese/I; R. Stifanese, <u>M. Toselli</u>, P. Traverso, CNR-ISMAR, Genoa/I</p>
7760	<p>Anticorrosion sol-gel coatings for anodised aluminium <u>M. Oubaha</u>, Dublin Institute of Technology/IRL</p>
7680	<p>A study of the films formed on an AA2024 alloy clad layer by hydrothermal treatments involving cerium (III) and propylene glycol W.I.A. Santos, <u>V.R. Capelossi</u>, IPEN/CNEN, São Paulo/BR; S. Hinder, M.A. Baker, R. Grilli, University of Surrey, Guildford/UK; I. Costa, IPEN/CNEN, São Paulo/BR</p>
Corrosion in Oil & Gas Production	
7174	<p>Corrosion mitigation and inspection strategy for protection of assets in oil production facilities: an experience of Nafoora oilfield <u>I. Ahmad</u>, Arabian Gulf Oil Company, Benghazi/LAR</p>
7214	<p>The influence of temperature on corrosion behavior of chromium steels in CO₂-containing environments I.Yu. Pyshmintsev, <u>I.V. Kostitsyna</u>, V.P. Parshukov, RosNITI, Chelyabinsk/RUS; A.G. Tyurin, Chelyabinsk State University/RUS</p>
7328	<p>Hydrogen induced cracking of austenitic-ferritic stainless steels SAF 2205 and SAF 2507 <u>S. Silva</u>, J.A.C.P. Gomes, Federal University of Rio de Janeiro/BR</p>
7336	<p>Corrosion process of API 5L X52 in production water from oil well <u>O. Olivares-Xometl</u>, Benemérita Universidad Autónoma de Puebla/MEX; M. Mónica Corrales-Luna, Instituto Politécnico Nacional, Distrito Federal/MEX; N.V. Likhanova, Instituto Mexicano del Petróleo, Distrito Federal/MEX; J.M Hallen, I.V. Lijanova, Instituto Politécnico Nacional, Distrito Federal/MEX</p>
7494	<p>Assessment of localized corrosion resistance of 13Cr, 15Cr and 17Cr stainless steels in high chloride and CO₂ environments <u>E. Senatore</u>, J.A.C.P. Gomes, Federal University of Rio de Janeiro/BR</p>
7569	<p>Corrosion resistance of rolled and rerolled supermartensitic steel in media containing chlorides and hydrogen sulfide R. Braga Soares, D.C. de Sousa Garcia, M. Mendonça Lima, M.M. Reis de Castro, <u>V. de Freitas Cunha Lins</u>, University of Minas Gerais, Belo Horizonte/BR</p>

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7813	<p>Improvement of 9% nickel steel for CO₂ reinjection in FSPOS and its corrosion resistance in brazilian pré-salt conditions - SSC and HIC R. Kalume, Vallourec Tubos do Brasil, Belo Horizonte/BR; L.I.L. Lima, Vallourec Tubos do Brasil, Rio de Janeiro/BR; M.C. Ferreira, Vallourec Tubos do Brasil, Belo Horizonte/BR; B.I. Palmieri, G.V. Silva, C.R. D'Ávila, Petrobras S.A., Rio de Janeiro/BR; <u>J.A. Carreno Velasco</u>, R.V. Landim, S.M. de Souza, Instituto Nacional de Tecnologia, Rio de Janeiro/BR</p>
7079	<p>Influence of molybdenum on UNS S32304 and UNS S31803 duplex stainless steels corrosion resistance <u>A. Viana</u>, Aperam South America Research Center, Timóteo/B and Universidade Federal do Rio de Janeiro/BR; T. Oliveira, Aperam South America Research Center, Timoteo/BR; O. Mattos, K. Assis, Universidade Federal do Rio de Janeiro/BR</p>
7654	<p>Effect of AC frequency on stress corrosion cracking behavior of X80 pipeline steel in carbonate/bicarbonate solution <u>C. Du</u>, M. Zhu, X. Li, Z. Liu, University of Science and Technology Beijing/CHN</p>
7047	<p>The influence of heat treatment on the corrosion behaviour of Inconel 718 L.C.M. Valle, UFRJ and Petrobras, Rio de Janeiro/BR; <u>A.J.C. Santana</u>, UEZO, Rio de Janeiro/BR; L.H. de Almeida, O.R. Mattos, UFRJ, Rio de Janeiro/BR</p>
7777	<p>A study by in situ Raman spectroscopy of carbon steel corrosion in CO₂ and H₂S environment O. Delpoux, J. Kittel, <u>F. Grosjean</u>, IFP Energies Nouvelles, Solaize/F; S. Joiret, CNRS, Paris/F; N. Desamais, C. Taravel-Condat, Technip, Le Trait/F</p>
7856	<p>Corrosion monitoring of NPP equipment and pipelines by high-temperature on-line sensors M.V. Sof'in, F.V. Nikolaev, V.G. Kritsky, P.S. Styazhkin, JSC «Leading institute «VNIPIET», St.Petersburg/RUS</p>
7859	<p>Inhibitory protection of the installations of the oil-refining enterprises from corrosion V.M.Abbasov, L.I.Alieva, T.A.Ismailov, Yu.G.Mamedaliev, National Academy of Sciences of Azerbaijan/AZ</p>
Corrosion in the Refinery Industry	
7721	<p>Corrosion resistance of austenitic steels used in biodiesel fuel plant A.P. Pereira, Fiat Automobile S.A., Betim/BR; V.F.C. Lins, <u>M.M.R. Castro</u>, Federal University of Minas Gerais, Belo Horizonte/BR; C.E.A.S. Torres, Petrobras Biofuel, Montes Claros/BR</p>
7720	<p>Corrosion of steels used in a biodiesel fuel plant A.P. Pereira, Fiat Automobile S.A., Betim/BR; V.F.C. Lins, C.G.F. Costa, M.M.R. Castro, C.E.A.S. Torres, Federal University of Minas Gerais, Belo Horizonte/BR</p>
7645	<p>In situ AFM and FTIR spectroscopy coupled with electrochemical techniques studies on naphthenic corrosion of API 5L X70 steel <u>E.C. Rios</u>, A.L. Oliveira, A.M. Zimer, R.G. Freitas, R. Matos, L.H. Mascaró, E.C. Pereira, UFSCar, São Carlos/BR</p>
7858	<p>Detection and Sizing of Corrosion under Fireproofing (CUF) with Welded Wire Mesh Using MR-MWM-Array S. A. Dossary, A. Minachi, Saudi Aramco, Dhahran/KSA N. Goldfine, Scott Denenberg, JENTEK Sensors, Waltham/USA</p>

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Corrosion Mechanisms, Methods and Modelling	
7068	<p>Application of ENM to investigate the effect of different materials and methods of preparation of coating on anticorrosion quality of ZRP <u>B. Eremias</u>, L. Mindos, L. Turek, SVUOM Ltd., Prague/CZ; L. Hochmannova, SYNPO Inc., Pardubice/CZ</p>
7155	<p>Corrosion resistance of cold worked CrNi and CrNiMnN metastable austenites in defined strain states <u>P. Seemann</u>, WITg, Tägerwilen/CH; P. Gümpel, HTWG Konstanz/D</p>
7175	<p>Nanoscale oxide growth on nickel studied by reactive molecular dynamics <u>O. Assowe</u>, L. Van Brutzel, A. Chartier, CEA de Saclay, Gif-sur-Yvette/F</p>
7404	<p>Corrosion studies by depth profiling techniques <u>C. Olivero</u>, P. Chapon, A. Tempez, S. Legendre, Horiba Jobin-Yvon SAS, Longjumeau/F</p>
7406	<p>Influence of surface treatments on localized corrosion behaviour of welded AISI 316L stainless steel M. Halamová, University of Zilina/SK; G. Fumagalli, Politecnico di Milano/I; T. Liptáková, University of Zilina/SK; <u>F. Bolzoni</u>, Politecnico di Milano/I</p>
7409	<p>Comparitive corrosion resistance of dimensionally stable titanium based anodes and conventional lead alloy anodes in copper electrowinning <u>H. Potgieter</u>, Manchester Metropolitan University/UK</p>
7642	<p>Scanning vibrating electrode technique as a tool for investigating corrosion activities on coated mild steel in NaCl solutions <u>W. Shi</u>, S.B. Lyon, The University of Manchester/UK</p>
7427	<p>Qualification of stress and test methods for use in combined fatigue algorithms for riveted joints J. Gehrke, Institut für Korrosionsschutz Dresden GmbH/D</p>
7435	<p>Pitting potential of materials during potentiodynamic polarization in a NaCl solution <u>Y. Yi</u>, M. Al Ameri, Khalifa University, Abu Dhabi/UAE; S. Al Saadi, FANR, Abu Dhabi/UAE; P. Cho, Khalifa University, Abu Dhabi/UAE; C. Jang, KAIST, Daejeon/ROK</p>
7770	<p>Effect of microstructure of X-65 in bioethanol for pipelines <u>M. Lucio</u>, J.G. González Rodríguez, S. Serna, A. Torres-Islas, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX</p>
7771	<p>Corrosion performance of TiO₂ nanostructures synthesized at low voltage applying electrochemical techniques H. Herrera-Gutiérrez, <u>C. Cuevas Arteaga</u>, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX; E. del Ángel Meraz, Universidad Juárez de Tabasco/MEX</p>
7090	<p>Corrosion resistance of Zr 2.5Nb as material for permanent implants <u>S. Farina</u>, Comision Nacional de Energía Atómica, Buenos Aires/RA; A. Gomez Sanchez, S. Ceré, CONICET, Mar del Plata/RA</p>
7092	<p>Comparative corrosion behaviour of different Sn-based solder alloys <u>S. Farina</u>, Comision Nacional de Energía Atómica, Buenos Aires/RA; C. Morando, IFIMAT-UNCPBA, Tandil/RA</p>

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7099	<p>Miniaturized cell for localized electrochemical measurements. Concept and examples of application <u>M. Bestetti</u>, A. Vicenzo, S. Franz, M.F. Brunella, G. Puricelli, Politecnico di Milano/I; C. Borioli, Nanomaterials.it Srl, Milano/I</p>
7451	<p>Dew-point corrosion resistance of alloys in geothermal fluids containing acid chloride M. Cabrini, <u>S. Lorenzi</u>, T. Pastore, Università di Bergamo/I; M. Favilla, R. Perini, B. Tarquini, Enel GP, Larderello/I</p>
7475	<p>Corrosion resistance of ternary Ni-Ti alloys in 0.9% NaCl solution <u>C.D.R. Barros</u>, J.A.C. Ponciano Gomes, Federal University of Rio de Janeiro/BR</p>
7476	<p>Electrochemical induced dissolution of silver points in sodium fluoride solution <u>C. Amaral</u>, F. Ormiga, J.A.C. Ponciano Gomes, Federal University of Rio de Janeiro/BR</p>
7799	<p>EIS Studies of As-cast monotectic Al-Pb and Al-Bi alloys in a 0.5 M NaCl solution <u>E. Freitas</u>, University of Campinas/BR; W. Osório, University of Campinas, Limeira/BR; A. Silva, Federal University of Pará, Belém/BR; J. Spinelli, Federal University of São Carlos/BR; A. Garcia, University of Campinas/BR</p>
7284	<p>Effect of thermal treatments on the localized corrosion behaviour of alloy 718 <u>R. Rebak</u>, GE Global Research, Schenectady, NY/USA; M. Rincon Ortiz, The University of Akron, OH/USA; M. Iannuzzi, GE Oil and Gas, Sandvika/N; M. Kappes, M. Rodriguez, Instituto Sabato, Buenos Aires/RA</p>
7291	<p>Repassivation mechanism of Al alloys D. Cicolin, E. Melilli, M. Pogliana, D. Guastaferro, <u>M. Trueba</u>, S.P. Trasatti, Università degli Studi di Milano/I</p>
7297	<p>The modified phosphate conversion coating on Zn-Mg alloy coated steel for corrosion protection <u>Y.J. Kwak</u>, T.Y. Kim, D.Y. Lee, K.H. Nam, Y.H. Jung, W.S. Jung, M.J. Eom, S.J. Hong, POSCO, Gwangyang/ROK; J.K. Min, H.K. Sohn, POMIA, Pohang/ROK</p>
7298	<p>Local activation of iron in weakly alkaline medias containing halide-ions S. Kaluzhina, Voronezh State University/RUS; <u>N. Nafikova</u>, Center for Quality Assurance and Certification Medicines, Voronezh/RUS</p>
7308	<p>Bromide-ions additives effect on aluminium anodic behavior in borate buffer solution <u>S. Kaluzhina</u>, T. Minakova, T. Popova, A. Chikova, Voronezh State University/RUS</p>
7312	<p>Application of micro-indentation techniques for investigation of seasonal corrosivity of Black Sea maritime atmosphere O.V. Startsev, <u>I.M. Medvedev</u>, All-Russian Scientific-Research Institute of Aviation Materials, Gelendzhik/RUS</p>
7317	<p>Design criteria of reliability and safety in the design of corrosion protection of structural steel <u>V. Korolov</u>, Priazovsky State Technical University, Mariupol/UA; Y.B. Vysotskyy, Donetsk National Technical University/UA; Y.V. Filatov, PrSC «Donetsksteel» - Metallurgical Plant/UA; A.N. Gibalenko, OJSC «V.Shimanovsky UkrRDISTeelconstruction», Makeyevka/UA</p>

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7326	Electrochemical induced dissolution of silver points in sodium fluoride solution <u>C. Amara</u> , F. Ormiga, J.A.C. Ponciano Gomes, Federal University of Rio de Janeiro/BR
7332	Corrosion resistance of ternary Ni-Ti alloys in 0.9% NaCl solution <u>C.D.R. Barros</u> , J.A.C. Ponciano Gomes, Federal University of Rio de Janeiro/BR
7762	Thermogravimetric study of hydrogen uptake and desorption in titanium alloys <u>V. Duquesnes</u> , N. Creton, T. Montesin, Université de Bourgogne, Dijon/F; E. Deloye, Vallourec Heat Exchanger Tubes, Venarey-les-Laumes/F
7768	Corrosion behavior of 18Cr-18Mn hot forging steel A. Torres, R. Reyes, S. Serna, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX; A. Bedolla, Universidad Michoacana de San Nicolas de Hidalgo, Morelia/MEX; <u>M.A. Lucio</u> , J. Colín, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX
7504	Evaluation of the pitting corrosion on an AISI 304 using scanning electrochemical microscopy R. Sánchez-Tovar, R. Fernández-Domene, <u>J. García-Antón</u> , Universidad Politecnica de Valencia/E
7514	Influence of submarine emissions from El Hierro volcano (Spain) on the corrosion resistance of stainless steels R. Fernández-Domene, R. Sánchez-Tovar, C. Escrivà-Cerdán, R. Leiva-García, <u>J. García-Antón</u> , Universidad Politecnica de Valencia/E
7515	Data processing and data mining applied to electrochemical noise technique for stress corrosion cracking recognition L. Bonaccorsi, L. Calabrese, University of Messina/I; D. Di Pietro, GE Oil & Gas, Firenze/I; M. Galeano, <u>E. Proverbio</u> , University of Messina/I
7520	FEM analysis of H-trapping diffusion model in pipeline steels <u>E. Fallahmohammadi</u> , F. Bolzoni, G. Fumagalli, G. Re, L. Lazzari, Politecnico di Milano/I
7566	Sustainable water and facility management in the steel industry: influence of saline streams on pipeline corrosion D. de la Fuente, M. Morcillo, National Centre for Metallurgical Research, Madrid/E; P. Ivashechkin, VDEh-Betriebsforschungsinstitut, Düsseldorf/D; <u>V. Colla</u> , T.A. Branca, Scuola Superiore Sant'Anna, Pisa/I; M. De Sanctis, Pisa University/I; B.P. Vivas, M. Cabanas, ArcelorMittal Espana, Aviles/E; A. Rassow, Outokumpu Nirosta GmbH, Düsseldorf/D; C. Lucca, ILVA S.p.A., Taranto/I
7112	Corrosion behavior of tungsten heavy alloys in different aqueous solutions <u>Z. Abdel Hamid</u> , Central Metallurgical R&D Institute (CMRDI), Helwan/ET
7078	Influence of intermetallic phase content and microstructure on pitting potential of a duplex stainless steel D.C. Dos Santos, <u>R. Magnabosco</u> , FEI, São Bernardo do Campo/BR
7534	Evaluation of elemental sulfur role on brittle failure in sour brine environment M. Anselmi, GE Oil & Gas, Florence/I; L. Bonaccorsi, L. Calabrese, University of Messina/I; F. Cappuccini, GE Oil & Gas, Florence/I; A. Capri, University of Messina/I; <u>A. Donato</u> , GE Oil & Gas, Florence/I; E. Proverbio, University of Messina/I

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7050	<p>Quantum chemical study of adsorption of organic inhibitors of corrosion of Al on Al₂O₃ and Al(OH)₃ surfaces <u>G. Beloglazov</u>, University of Dodoma (UDOM)/EAT; S. Beloglazov, Baltic Federal University, Kaliningrad/RUS</p>
7066	<p>A probabilistic model for localized corrosion on a metallic pipe under D.C. stray current influence <u>G. Lucca</u>, SIRTI S.p.A., Milano/I</p>
7371	<p>The kinetic during atmospheric corrosion of a nickel cathode <u>S. Wibihal</u>, CEST GmbH, Wiener Neustadt/A</p>
7677	<p>Hlfabar as effective inhibitor for zinc metal in aqueous solutions <u>O. Abdullatef</u>, Pharos University, Alexandria/ET; B. Abd-El-Naby, Alexandria University/ET</p>
7696	<p>Study of the influence of the different percentages of sigma phase in the resistance to pitting corrosion of a duplex stainless steel C. Berlanga, Universidad Pública de Navarra, Pamplona/E; G. Argandoña, Cemitec, Pamplona/E; M.V. Biezma, Universidad de Cantabria, Santander/E; <u>P. Linhardt</u>, Vienna University of Technology/A</p>
Corrosion of Archaeological and Historical Artefacts	
7273	<p>Pollutant permeability in acrylate varnishes <u>J. Svadlena</u>, J. Stouilil, Institute of Chemical Technology, Prague/CZ</p>
7847	<p>Corrosion of cans in collections: the case study of Burghalde museum <u>L. Brambilla</u>, Haute Ecole Arc Conservation-restauration, Neuchâtel/CH; S. Mischler, EPFL, Lausanne/CH; L. Nicolay, R. Schmitt, HES-SO, Sion/CH; C. von Arx, I. Böhmler, Burghalde Museum, Lenzburg/CH; R. Bertholon, Haute Ecole Arc Conservation-restauration, Neuchâtel/CH</p>
Corrosion of Polymer Materials	
7247	<p>Imaging techniques: tool for the quantification of oriented additives <u>T. Schuster</u>, K. Rode, S. Damodaran, R. Brüll, Fraunhofer Institute for Structural Durability and System Reliability LBF, Darmstadt/D</p>
7249	<p>Three dimensional orientations by FTIR- and polarized light microscopy S. Damodaran, <u>T. Schuster</u>, K. Rode, R. Brüll, Fraunhofer Institute for Structural Durability and System Reliability LBF, Darmstadt/D</p>
Corrosion of Steel in Concrete	
7044	<p>Study the effect of heat and LASER treatments on the corrosion behavior of microalloyed carbon steels <u>F.M. Sayed</u>, M.H. Hegazy, G.M. El-Mahdy, Helwan University, Cairo/ET; M.M. Essia, A.M. Fathy, Central Metallurgical Research & Development Institute (CMRDI), Cairo/ET</p>
7087	<p>Corrosion resistance of several metallic materials in contact with mortar <u>G. Duffó</u>, S. Farina, Comisión Nacional de Energía Atómica, Buenos Aires/RA; F. Schulz, CONICET, Buenos Aires/RA7855</p>

Poster programme

7457	FTIR study on the amorphous corrosion products of galvanized steel in carbonated concrete G. Roventi, <u>T. Bellezze</u> , C. Conti, R. Fratesi, Polytechnic University of Marche, Ancona/
7764	Adsorption and inhibition corrosion of the biopolymer on carbon steel in simulated pores concrete solution <u>M. Martins</u> , IFAL-Federal Institute of Alagoas, Maceió/BR; J. Tonholo, S.B.B. Uchoa, Universidade Federal de Alagoas, Maceió/BR
7632	Characterization and processing digital series obtained from electrochemical monitoring of reinforcing steel R. Camacho-Chab, Instituto Tecnológico de Campeche/MEX; <u>T. Pérez</u> , Universidad Autónoma de Campeche/MEX; B. Escobar-Morales, Instituto Tecnológico de Cancún/MEX
7637	Adsorption and inhibition corrosion of the biopolymer on carbon steel in simulated pores concrete solution <u>M. Martins</u> , Federal Institute of Alagoas, Maceió/BR; J. Tonholo, S.B.B. Uchoa, Universidade Federal de Alagoas, Maceió/BR
7855	Improving durability of reinforced concrete structures using migrating corrosion inhibitors <u>B. Bavarian</u> , L. Reiner, California State University, Northridge/USA J.J. Meyer, Cortec Corporation, St. Paul/USA
Inorganic Coatings	
7201	Effect of PTFE and Al₂O₃ particles variation on corrosion and wear behavior of NiP-PTFE-Al₂O₃ nanodispersion coatings <u>A. Singh</u> , P. Ankita, I.I.T. Roorkee, Saharanpur/IND
7730	Advanced environmentally friendly chemical surface treatments for cast magnesium helicopter transmission alloys preservation <u>F. Brusciotti</u> , U. Izagirre Etxeberria, A. Unzurrunzaga Iturbe, TECNALIA Research & Innovation, Donostia-San Sebastian/E
7707	Bioceramic coatings on Ti6Al4V, developed by electrochemical plasma, laser printer with localized stripping and deposition electrophoresis <u>D. Peña</u> , Universidad Industrial de Santander, Bucaramanga/CO; L. Ramos, H. Estupiñan, Unalmed, Medellín/CO
7231	Elaboration of silica hybrid coatings for corrosion protection of carbon steel: electrochemical study <u>T. Phan</u> , C. Jama, Ecole Nationale Supérieure de Chimie de Lille, Villeneuve d'Ascq/F
7300	Influence of aluminium alloy type on the corrosion behaviour of formed alumina films <u>C. Girginov</u> , S. Kozhukharov, University of Chemical Technology and Metallurgy, Sofia/BG
7304	Corrosion behavior of nanostructured bioactive apatite coating on TiAl alloys <u>A. Alshamsi</u> , United Arab Emirates University, Al-Ain/UAE

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7337	<p>Microstructure and optical appearance of anodized friction stir processed Al- metal oxide surface composites <u>V. Gudla</u>, F. Jensen, K. Bordo, S. Canulescu, R. Ambat, TU of Denmark, Kongens Lyngby/DK; A. Simar, Université Catholique de Louvain/B; R. Shabadi, Université Lille 1, Villeneuve `Ascq/F</p>
7341	<p>Electrochemical characterization of a zinc rich epoxy nano-coating primer on an X52 steel pipeline grade in flow conditions E. Maya, V. Valencia, The University of Akron, OH/USA; T. Hawkins, Tesla NanoCoatings Inc, Canton, OH/USA; <u>H. Castaneda</u>, The University of Akron, OH/USA</p>
7509	<p>Hybrid films modified with polyethylene glycol for corrosion protection of tin plate H. Ribeiro Piaggio Cardoso, <u>S. Raquel Kunst</u>, M.R. Ortega Vega, T. Lemos Menezes, C. Fraga Malfatti, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR</p>
7525	<p>Electrochemical characterization of a H2F6Zr film form on AISI/SAE 1006 steel <u>J. Dos Anjos Moraes</u>, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR; R. Sánchez-Tovar, J. García-Antón, Universitat Politecnica de Valencia/E; J. Zoppas-Ferreira, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR</p>
7565	<p>Corrosion resistance of economical environmentally friendly anodization for Mg-3Zn-0.8Ca alloy <u>M. Shoeib</u>, H. Soliman, S. Mikhail, M.E. Mousa, CMRDI, Cairo/ET</p>
7591	<p>Corrosion protection properties of the yttria stabilized sol-gel ZrO₂ thin film on 316L stainless steel I. Basic, Forensic Science Centre Ivan Vucetic, Zagreb/HR; <u>H. Otmacic Curkovic</u>, L. Curkovic, University of Zagreb/HR</p>
7601	<p>Optical appearance of AC anodized Al/TiO₂ composite coatings <u>K. Bordo</u>, V. Gudla, R. Ambat, TU of Denmark, Lyngby/DK; F. Jensen, Bang & Olufsen, Struer/DK</p>
7617	<p>Superficial patina: analytical interpretation of the ancient process of realization of Japanese Shakudo alloy D. Ferro, CNR-ISMN, Rome/I; <u>D. Servidio</u>, Sapienza University, Rome/I; B. De Filippo, CNR, Rome/I; D. Loepf, Sapienza University, Rome/I</p>
7134	<p>Effect of primer-free helical inserts to prevent galvanic corrosion <u>A.E. Eken</u>, C. Yilmaz, E. Tan, ASELSAN AS, Ankara/TR</p>
7530	<p>Corrosion resistance of H2F6Zr coatings in NaCl <u>J. Dos Anjos Moraes</u>, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR; R. Sánchez-Tovar, R. Leiva-García, J. García-Antón, Universidad Politecnica de Valencia/E; J. Zoppas-Ferreira, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR</p>
7215	<p>Investigation of possibility to use glass-based layer to prevent internal corrosion of pipelines <u>M. Ronceray</u>, A. Barnett, K.A. Raheem, Wood Group Kenny Ltd., Staines-upon-Thames/UK</p>

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JS: High Temperature Corrosion in the Refinery, Petrochemical & Chemical Industries	
7386	<p>Passivation behaviour of stainless steel (UNSN-08028) in industrial phosphoric acid contaminated with chlorides and sulfates at 80°C M. Ben Salah, Tunisia el Manar University/TN; R. Sabot, University La Rochelle/F; E. Triki, L. Dhoubi, Tunisia el Manar University/TN; <u>P. Refait</u>, M. Jeannin, University La Rochelle/F</p>
7423	<p>Failure analysis of boiler furnace wall tube M. Al Muaisub, A. Bayramov, SABIC Technology Center, Jubail Industrial City/SAR</p>
JS: Interplay of Mechanics and Corrosion in Surface and Bulk Degradation	
7330	<p>Tribocorrosion behavior of commercially pure titanium in biomedical application of dental and orthopaedic implants <u>Y. Yang</u>, P. Ponthiaux, Ecole Centrale Paris, Chatenay-Malabry/F</p>
Marine Corrosion	
7098	<p>Study on copper release from an antifouling coating and its influence on corrosion of aluminum alloy substrate <u>J. Cao</u>, Naval Coatings Analysis and Test Center, Beijing/CHN; J. Sun, Y. Tang, Y. Zuo, Beijing University of Chemical Technology/CHN</p>
7653	<p>Corrosion resistance in multipass welding of thick UNS S31304 lean duplex stainless steel plates welded using SMAW, GMAW and FCAW processes <u>D.M. Silveira</u>, UFSJ, Ouro Branco/BR; V.F.C. Lins, A.Q. Bracarense, C.S. Souza, R. Cardoso Junior, Federal University of Minas Gerais, Belo Horizonte/BR</p>
7714	<p>Behaviour of anti-corrosion coatings: comparison of the ageing in real environment in 2 different exposition sites M. Tejero, <u>J.B. Jorcin</u>, Tecnalia R&I, Donostia - San Sebastián/E; A. Prieto, T. Alhambra, J. Ferreira, Hempel R&D, Polinya/E</p>
Metallic Coatings	
7442	<p>Corrosion protection property of corrosion products of zinc galvanized steels <u>H. Katayama</u>, National Institute for Materials Science, Tsukuba/J; R. Miyahara, Y. Hoshi, I. Shitanda, M. Itagaki, Tokyo University of Science, Noda/J</p>
7470	<p>Pd-In and Pd-Fe as new type of "Ni-free" top coatings for decorative applications S. Caporali, P. Marcantelli, <u>U. Bardi</u>, Università di Firenze, Florence/I</p>
7191	<p>Thin film hot dip galvanizing - the innovative revival of a traditional process <u>T. Pinger</u>, J. Tomaszewski, Fontaine Technologie GmbH, Gelsenkirchen/D</p>
7580	<p>Influence of deposition techniques on properties of solar selective coatings on Cu and Al substrates <u>M. Shoeib</u>, CMRDI, Cairo/ET; N. El-Mahallawy, Ain Shams University, Cairo/ET; Y. Ali, The German University in Cairo/ET</p>

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7590	Electrochemical behaviour of protective coatings in chloride solutions <u>G. Sundararajan</u> , GE Global Research, Bangalore/IND; R. Rebak, GE Global Research, Schenectady, NY/USA
7111	Electrodeposition of Ni-Mo-P electrodes for direct alcohol fuel cell applications <u>Z. Abdel Hamid</u> , Central Metallurgical R&D Institute (CMRDI), Helwan/ET
7143	Characterizing the structure of ZnAlMg-coated steel sheet via FIB-tomography <u>M. Arndt</u> , J. Duchoslav, Universität Linz/A; C.K. Riener, G. Angeli, voestalpine Stahl GmbH, Linz/A; D. Stifter, Universität Linz/A
7844	An electrodeposition process for fabrication of super-hydrophobic nickel film and its corrosion resistance <u>S. Khorsand</u> , K. Raeissi, F. Ashrafzadeh, Isfahan University of Technology/IR; M.A. Arenas, National Center for Metallurgical Research, Madrid/E
7845	The effect of texture and surface morphology on the corrosion resistance of zinc electrodeposits <u>S. Khorsand</u> , K. Raeissi, M.A. Golozar, Isfahan University of Technology/IR
7274	Anodic oxidation of galvanic Zn-Ni alloy coatings in the NaOH solutions <u>A. Maciej</u> , W. Simka, Silesian University of Technology, Gliwice/PL; J. Michalska, Silesian University of Technology, Katowice/PL; T. Gorewoda, Institute of Non Ferrous Metals, Gliwice/PL; G. Dercz, University of Silesia, Chorzów/PL
7825	Deposition of zinc powder on iron with cold spray application <u>A. Bossio</u> , T. Monetta, C. Bitondo, F. Bellucci, Università degli Studi di Napoli Federico II/I
Microbial Corrosion	
7089	Sulfate-reducing bacteria induced the corrosion of copper <u>D. Zhang</u> , S. Chen, P. Wang, Chinese Academy of Sciences, Qingdao/CHN
7270	The effects of Ag-Cu ions on the microbial corrosion of 316L stainless steel in the presence of <i>Desulfovibrio</i> sp. <u>T. Unsal</u> , S. Arkan, E. Ilhan-Sungur, Istanbul University/TR; N. Cansever, Yildiz Technical University, Istanbul/TR
7763	Influence of biofilm with mixed culture in corrosion rate of carbon steel <u>S.H. Oliveira</u> , M.R.S. Vieira, D.R. Lima Junior, M.A.G.A. Lima, S.L. Urtiga Filho, Federal University of Pernambuco, Recife/BR
7809	Effect of electromagnetic field on the corrosion behaviour of 2205 duplex stainless steel in the presence of <i>Pseudoalteromonas</i> sp. <u>Z. Song</u> , M. Moradi, Ningbo Institute of Materials Technology and Engineering/CHN
Nuclear Corrosion	
7837	Investigation of the effect of water chemistry and temperature on the oxide layer formed on Alloy 182 in simulated PWR environment <u>R. de Mendonca</u> , R.-W. Bosch, W. van Renterghem, SCK, CEN (Belgian Nuclear Research Centre), Mol/B

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7218	On the mechanism and kinetics of radiation induced corrosion of copper <u>Å. Björkbacka</u> , S. Hosseinpour, M. Johnsson, C. Leygraf, M. Jonsson, KTH Royal Institute of Technology, Stockholm/S
7086	Corrosion susceptibility of steel drums containing cemented simulated incineration ashes as low level nuclear waste <u>G. Duffó</u> , S. Farina, Comisión Nacional de Energía Atómica, Buenos Aires/RA; F. Schulz, CONICET, Buenos Aires/RA; F. Marotta, Politecnico de Milano/I
7091	Corrosion of high purity copper as engineering barrier in deep geological repositories M. Ochoa, M. Rodríguez, <u>S. Farina</u> , Comisión Nacional de Energía Atómica, Buenos Aires/RA
7719	Corrosion resistance in multipass welding of thick UNS S31304 lean duplex stainless steel plates welded using SMAW, GMAW and FCAW processes C.S. Souza, V.F.C. Lins, D.M. Silveira, <u>C.G.F. Costa</u> , R.C. Junior, F.R. Campos, A.Q. Bracarense, Federal University of Minas Gerais, Belo Horizonte/BR
7759	Effect of cathodic hydrogen charging of titanium alloys on hydrogen absorption and hydride formation <u>S. Dejardin</u> , V. Dusquesnes, N. Creton, R. Oltra, T. Montesin, Université de Bourgogne, Dijon/F
7800	Water chemistry and corrosion issues of control rod and protection system in Russian LWGRS <u>E. Yurmanov</u> , V. Yurmanov, OJSC NIKIET, Moscow/RUS
7801	Sensitisation and IGSCC in type 321 SS NPP manifold welds <u>K. Shutko</u> , JSC NIKIET, Moscow/RUS
7600	Behaviour of steam generator tube at different temperatures and levels of chloride <u>M. Schwartzman</u> , F. Mansur, P. Nogueira, W.R.C Campos, M.A.D. Quinan, Centro de Desenvolvimento da Tecnologia Nuclear, Belo Horizonte/BR
7836	Oxidation behavior and spallation of oxide scales after T91 oxidation in water vapor environment <u>M. Demizieux</u> , C. Desgranges, CEA Saclay, Gif-sur-Yvette/F; J. Favergeon, Université Technologique de Compiègne/F; L. Martinelli, CEA Saclay, Gif-sur-Yvette/F
7664	Hydrogen production by iron corrosion under irradiation <u>D. Stammose</u> , M. Osmond, E. Barker, C. Wittebroodt, Institut de Radioprotection et de Sûreté Nucléaire, Fontenay aux Roses/F
Organic Coatings	
7372	Delamination of organic coatings on a zinc substrate investigated with a current measurement method S. Wibihal, <u>M. Pichler</u> , CEST GmbH, Wiener Neustadt/A; G. Faflek, Vienna University of Technology/A; M. Fleischanderl, voestalpine Stahl Linz GmbH/A

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7178	<p>Raman spectroscopy as a tool for investigation of fluoropolymer coatings on electronic boards <u>M. Rodosek</u>, L. Slemenik Perse, M. Mihelcic, M. Kozelj, B. Orel, National Institute of Chemistry, Ljubljana/SLO; B. Bengu, O. Sunetci, Arcelik R&D, Istanbul/TR; P. Pori, Chemcolor Sevnica/SLO; A. Surca Vuk, National Institute of Chemistry, Ljubljana/SLO</p>
7431	<p>It's all relative, when it comes to protective coatings <u>D. Ferguson</u>, Infracorr Pty. Ltd., Melbourne/AUS; P. Dove, GHD Pty. Ltd., Melbourne/AUS</p>
7094	<p>The study on failure process of acrylic polyurethane coating under alternate wetting and drying condition <u>Z. Fang</u>, Naval Academy of Armament, Beijing/CHN; L. Zhang, X. Zhao, Y. Zuo, Beijing University of Chemical Technology/CHN</p>
7194	<p>Improved corrosion protection of graphene oxide reinforced siloxane-PMMA hybrid coatings <u>S.V. Harb</u>, F.C. dos Santos, S.H. Pulcinelli, C.V. Santilli, P. Hammer, Universidade Estadual Paulista (UNESP), Araraquara/BR</p>
7268	<p>Anodic protection produced by Smart Ink <u>R.S. Silva</u>, V. Maggi, J.Z. Ferreira, A. Meneguzzi, UFRGS, Porto Alegre/BR</p>
7296	<p>Protective compositions on base of wastes of vegetable oils production against atmospheric corrosion of steel goods V.I. Vigdorovich, RRITOP, Tambov/RUS; A.A. Uryadnikov, Derzhavin State University, Tambov/RUS; N.V. Shel, Tambov State Technical University/RUS; <u>L.E. Tsygankova</u>, Derzhavin State University, Tambov/RUS</p>
7761	<p>Fine textured polymer based composite materials as multifunctional low friction coatings with corrosion protection <u>D. Bentz</u>, S. Schmitz-Stöwe, M. Wild, C. Becker-Willinger, INM - Leibniz-Institute for New Materials gGmbH, Saarbrücken/D</p>
7652	<p>The effects of the nano-TiO₂ on the interfacial corrosion behavior of immersed coatings <u>J. Gao</u>, H. Jiang, H. Qian, L. Lu, X. Li, University of Science and Technology Beijing/CHN</p>
7124	<p>Study of the corrosion behavior of electrogalvanized steel/Cr(III) and Zr conversion layer/paint system by electrochemical and visual methods F.M. Queiroz, CCTM, São Paulo/BR; P.R. Seré, C.I. Elsner, A.R. Di Sarli, CIDEPINT, La Plata/RA; <u>C.R. Tomachuk</u>, Universidade de São Paulo/BR; I. Costa, CCTM, São Paulo/BR</p>
7181	<p>Research into the causal effects and development of solutions to pinholing of powder coated galvanized steel <u>A. Speakman</u>, C. Chisholm, M. El-Sharif, R. Ansell, Glasgow Caledonian University/UK</p>
7363	<p>Behaviour of coatings at the defect - scribing tools for investigations of coatings on steel <u>R. Bentfeld</u>, Institut für Korrosionsschutz Dresden GmbH/D</p>
7857	<p>New flange corrosion protection system <u>K. Flanagan</u>, Belzona Polymerics Limited, Harrogate/UK</p>

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Pretreatments	
7216	<p>Influence of different pretreatments of Mg4Y2Nd prior to NaF-coating on the electrochemical corrosion behaviour <u>C. Schille</u>, E. Schweizer, J. Geis-Gerstorfer, University Hospital of Tuebingen/D</p>
7516	<p>Employing electro-deposition technique for coating nano-bioactive ceramic coating on dental Ti-alloy implant <u>M. Shoeib</u>, CMRDI, Cairo/ET; H. Shalaby, Beni-Suef University/ET; M. Nassif, Ain Shams University, Cairo/ET; A. Abdelrahman, MTI University, Cairo/ET</p>
7663	<p>Establishment of a novel CV-method to measure real work pieces and comparison with the standard method <u>A. Schindel</u>, J. Schodl, CEST Centre of Electrochemical Surface Technology, Wiener Neustadt/A; G. Fafleik, TU Vienna/A; Ch. Kleber, CEST Centre of Electrochemical Surface Technology, Wiener Neustadt/A</p>
Self-healing Coatings	
7219	<p>Fundamental investigation on the mechanism of capsule based redox-responsive self-healing coatings <u>A. Vimalanandan</u>, Max-Planck-Institut für Eisenforschung GmbH, Duesseldorf/D; L.-P. Lv, Max-Planck-Institut für Polymerforschung, Mainz/D; T. H. Tran, Max-Planck-Institut für Eisenforschung GmbH, Duesseldorf/D; K. Landfester, D. Crespy, Max-Planck-Institut für Polymerforschung, Mainz/D; M. Rohwerder, Max-Planck-Institut für Eisenforschung GmbH, Duesseldorf/D</p>
7184	<p>Self-healing properties of smart coating for hot dip galvanized steel <u>W.J. Li</u>, C.Y. Tsai, C.J. Lu, Industrial Technology Research Institute, Hsinchu/RC</p>
7443	<p>„Green“ encapsulation of corrosion inhibitors for smart coatings <u>A. Altin</u>, M. Rohwerder, A. Erbe, Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf/D</p>
7374	<p>Encapsulation of corrosion inhibitors in a self-healing polymeric coating <u>H. Verbruggen</u>, A. Lutz, H. Terryn, I. De Graeve, Vrije Universiteit Brussel, Elsenne/B</p>
WS: Corrosion Reliability of Electronics Devices	
7453	<p>Climatic durability of modern assembly technologies in electronics P. Zák, Czech Technical University, Prague/CZ; <u>K. Kreislová</u>, SVÚOM Ltd., Prague/CZ; D. Majtás, UTAM, Telc/CZ</p>
7826	<p>Understanding moisture protection of coated electronic circuits in terms of water permeation and electrochemical corrosion <u>J. Krog</u>, Grundfos A/S, Bjerringbro/DK; M. Ahmed, M.S. Jellesen, TU of Denmark, Lyngby/DK; J.B. Jacobsen, Grundfos A/S, Bjerringbro/DK; R. Ambat, TU of Denmark, Lyngby/DK</p>
7335	<p>Development and evaluation of atmospheric corrosion sensors using printed circuits E. Roblero, F. Corvo, V. Moo-Yam, E. García-Ochoa, <u>T. Pérez</u>, Universidad Autónoma de Campeche/MEX</p>