Posters

	Automotive Corrosion
P-1164	**Corrosion property of aluminum anodic oxide film against alkoxide reaction** Y. Kawamura, S. Kajikawa, T. Toyama, Denso Corporation, Kariya/J
P-1233	**Corrosion resistance of automotive fuel tanks made of galvanized steel with organo-metallic coatings** P. Saliba, V. Lins, M. Castro, M. Luciano, Federal University of Minas Gerais, Belo Horizonte/BR
P-1437	**Analyses of correlation factors of corrosion for high strength GA steel** B. Chung, POSCO, Incheon/ROK
P-1492	**Corrosion resistance of automotive fuel tanks, made of organometallic coated steel, in contact with biodiesel** M. Luciano, M.M.R. Castro, V.F.C Lins, Federal University of Minas Gerais, Belo Horizonte/BR
	Cathodic Protection in Concrete
P-1414	**Electrochemical investigations of carbon-based conductive coatings for cathodic protection of reinforcing steel** M. Poltavtseva, G. Ebell, Federal Institute for Materials Research and Testing, Berlin/D
	Cathodic Protection
P-1626	**Sacrificial anode alloys for extreme environments - A comparative study** F. Turcu, T. Sydberger, G. Hersvik, K. Heen, Det Norske Veritas, Bergen/N
P-8539	**Cathodic Protection of Carbon Steels in Environments Containing SRB and Iron Bacteria** V. Giorgetti, E.W. Laurino, S.E. Kuri, Petrobras Transporte S.A., Sao Paulo/BR
	Coatings for High Temperatures
P-1343	**Fe-Ni based coatings obtained on ferritic stainless steel for high temperature applications** M. Korb, G.A. Ludwig, I. Savaris, J.C.O. Junior, C.A.S. Fraga, C.F. Malfatti, Federal University of Rio Grande do Sul, Porto Alegre/BR
P-1350	**Influence of sodium and/or calcium on the 330Cb (Fe-35Ni-18Cr-1Nb-2.15Si) alloy oxidation at 900°C** C. Issartel, H. Buscail, R. Rolland, F. Riffard, F. Rabaste, Université d'Auvergne, Le Puy-en-Velay/F

P-1355	**Effect of yttrium on the high temperature oxidation of a commercial 304 stainless steel at 900°C** F. Riffard, H. Buscail, S. Perrier, Clermont Université, Le Puy-en-Velay/F
	Corrosion & Corrosion Protection of Drinking Water Systems
P-1602	**Stainless steel corrosion in ultrahigh-purity water: Surface analyses and metal release** A. Mattei, C. Chiavari, E. Bernardi, C. Martini, Bologna University/I; N. Gandolfi, S. Sessa, IMA ACTIVE Division, Bologna/I; M.C. Bignozzi, Bologna University/I
	Corrosion and Scale Inhibition
P-1160	**Morpholine derivatives as inhibitors of sulfide corrosion of mild steel: PM3 study** G. Beloglazov, University of Dodoma/EAT; S. Beloglazov, Baltic Federal University, Kaliningrad/RUS
P-1270	**Conservation liquid "Asfol TR" for protection of precision articles from corrosion** P.M. Logvynenko, V.V. Boiko, Institute of Macromolecular Chemistry (IMC), Kiev/UA; V.M. Synilo, Barcor-Oil Company, Kiev/UA; S.V. Riabov, OJSC SKF Ukraine, Lutsk/UA
P-1326	**Protection of steel by phosphonate inhibitors in waters with a high salt content** G.V. Redkina, Yu.I. Kuznetsov, L.V. Frolova, Russian Academy of Sciences, Moscow/RUS
P-1372	**Protection of cupronickel alloys from the aggressive influence of seawater** K. Maruic, M. Duricic, L. Mihic, A. Vujicic, H. Stupniek-Lisac, H. Otmacic Curkovic, University of Zagreb/HR
P-1483	**Evaluation of scaling probleme of Libyan water weels** A.A. Elbasir, Tripoli University/LAR
P-1560	**Formation of protective nanosized coatings on metals by volatile corrosion inhibitors** O. Goncharova, E. Nad'kina, N. Andreeva, Yu. Kuznetsov, Russian Academy of Sciences, Moscow/RUS
P-1598	**Corrosion of pure Fe in 0.2M $NaNO_2$ + 0.1M NaCl containing molybdates and nitrides as inhibitors** A. Alshamsi, United Arab Emirates University, Al Ain/UAE

P-8542	**Special phosphonic acids used in nanolayers against corrosion** Talah Abohalkuma, Judit Telegdi, Lajos Nyikos
	Corrosion by Hot Gases and Combustion Products
P-1097	**High velocity plasma propulsions for spraying of thallium containing anti-corrosion coatings** O. Chizhko, Moscow Environmental Center, Cherkessk/RUS
P-1200	**Corrosivity study of different steelmaking plant gases in carbon and stainless steels** M. Cabañas, ArcelorMittal Global R&D, Aviles/E; O. Conejero, ITMA Materials Technology, Aviles/E; V. Cuervo, ArcelorMittal Global R&D, Aviles/E; E. Muñoz, University of Oviedo, Oviedo/E
P-1325	**Corrosion mechanism of metals in condensate of blast furnace gas pipeline in a power plant** H. Ge, Z. Jin, W. Lin, Y. Zhao, Shanghai University of Electric Power/PRC; Y. Zong, Power Plant of Baoshan Iron & Steel Co. Ltd., Shanghai/PRC
P-1367	**Influence of water vapor on isothermal and thermal cyclic oxidation conditions of a Nickel-Based SY 625 steel at 1000°C** R. Rolland, H. Buscail, C. Issartel, Universite d'Auvergne, Le Puy-en-Velay/F
P-1376	**Surface states of refractory alloys rich in chromium and strengthened by different types of MC carbides after oxidation at high temperature** E. Conrath, P. Berthod, Université de Lorraine, Vandoeuvre-lès-Nancy/F
P-1389	**Behaviour in oxidation at high temperature of three chromium-rich refractory alloys highly strengthened by TaC carbides** L. Corona, P. Berthod, University of Lorraine, Vandoeuvre-lès-Nancy/F
P-1401	**Oxidation at high temperature of two commercial cobalt-based superalloys elaborated by casting and obtained with a fine microstructure** A. Frigerio, P.Y. Girardin, Lycée Henri Loritz, Nancy/F; P. Berthod, University of Lorraine, Vandoeuvre-lès-Nancy/F

P-1438	**The high temperature corrosion behavior of two titanium aluminide materials** A. Banu, Politehnica University of Bucharest/RO; M. Marcu, M.E. Anghel, Institute of Physical Chemistry "Ilie Murgulescu" of Romanian Academy, Bucharest/RO
P-1476	**High temperature corrosion performance of alumina-forming alloys under biomass combustion conditions** S. Baghsheikhi, K.V. Dahl, M. Somers, TU of Denmark (DTU), Kgs. Lyngby/DK
P-1502	**High temperature corrosion phenomena of ferritic alloys beneath sulfates in complex atmospheres** M. Sanchez Pasten, J.A. Alcantara Gutierrez, F. Chavez Alcala, Instituto Politecnico Nacional, Mexico City/MEX
P-1601	**Corrosion and mechanical properties of metal matrix nanocomposites manufactured by selective laser sintering/melting method** A. Biedunkiewicz, P. Figiel, W. Biedunkiewicz, D. Grzesiak, M. Krawczyk, West Pomeranian University of Technology, Szczecin/PL; U. Gabriel-Polrolniczak, Maritime University of Szczecin/PL
	Corrosion Education
P-1527	**International journal of corrosion and scale inhibition - A new information resource** Yu.I. Kuznetsov, N.N. Andreev, S.S. Vesely, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry, Russian Academy of Sciences, Moscow/RUS
P-1789	**Pictures: an incentive for learning corrosion** S. Faldini, Universidade Presbiteriana Mackenzie, São Paulo/BR
	Corrosion in Oil & Gas Production
P-1027	**Effect of phases present on the corrosion of Inconel 718 in offshore environment** L.C.M. Valle, Universidade Federal do Rio de Janeiro/BR; A.I Santana, Centro Universitário Estadual da Zona Oeste, Rio de Janeiro/BR; P.L. de Sousa, L.H. de Almeida, O.R. Mattos, Universidade Federal do Rio de Janeiro/BR
P-1063	**Failure analysis of nickel base alloy, UNS N06625 weldment** D. Masouri, H.R. Ghafari, M. Mousavi, B. Chahooshizadeh, Pars Oil & Gas Co. (POGC), Tehran/IR; N. Azimzadeh, Iranian Corrosion Association (ICA), Tehran/IR

P-1179	**The effect of exposure angle on the corrosion behavior of low carbon microalloyed steel under CO_2 condition** X. Li, S. Qu, X. Pang, Y. Wang, K. Gao, University of Science and Technology Beijing/PRC
P-1208	**Corrosion protection of storage tank soil side and double bottoms** E. Lyublinski, Northern Technologies International Corporation, Beachwood, OH/USA; M. Schultz, Petrobras, Rio de Janeiro/BR; W. Rohland, Northern Technologies International Corporation, Circle Pines, MN/USA; G. Ramdas, Y. Vaks, T. Natale, M. Posner, Northern Technologies International Corporation, Beachwood, OH/USA; S. Woessner, Northern Technologies International Corporation, Circle Pines, MN/USA; B. Hirsch, Northern Technologies International Corporation, Beachwood, OH/USA
P-1395	**Corrosion analysis of steel pipeline in aggressive media** S. Aracic, D. Krumes, I. Kladaric, J.J. Strossmayer University of Osijek, Slavonski Brod/HR
P-1417	**Laboratory investigation of the effectiveness of MDEA volatile corrosion inhibitor on mild steel - Top of the line corrosion** F. Ajayi, S. Lyon, The University of Manchester/UK
P-1459	**Plasma nitriding of austenitic AISI 316 and duplex 2250 stainless steels: Corrosion behavior in sour gas environment** M. Biezma, A. Rey, University of Cantabria, Santander/E; I. Cobo, CT Innova, San Felices de Buelna/E
P-1465	**Bacterial involvement in channelling corrosion of water injection pipelines** I. Comanescu, Swerea KIMAB AB, Stockholm/S; E.R. Melchers, The University of Newcastle/AUS
P-1507	**Role of molybdenum in corrosion resistance of Ni-based alloys in acid solution containing hydrogen sulfide** A. Tomio, M. Sagara, T. Doi, H. Amaya, N. Otsuka, T. Kudo, Nippon Steel & Sumitomo Metal Corporation, Amagasaki/J
P-1735	**Development and delivery of a corrosion management strategy for a subsea gas production and export installation** X. Hu, G. Cameron, A. Barnett, I.G. Winning, K. Raheem, Wood Group Integrity Management, Staines/UK
P-1607	**Interaction of hydrogen with different microstructure of pipeline steels** F. Bolzoni, E. Fallahmohammadi, G. Fumagalli, L. Lazzari, G. Re, A. Brenna, Politecnico di Milano/I
P-1698	**The CO_2 corrosion in the complex boundary between the turbulent flow and the surface of low carbon steel** H.A. Ponte, A.C.T. Abrantes, UFPR, Curitiba/BR; L.R.M. Ferreira, SOCIESC, Joinville/BR

P-1815	**Versatile urea-siloxane hybrid coatings: Corrosion protection of aluminium and reduction of crude oil fouling** S. Holberg, C. Bischoff, T. Poulsen, N. Tabrizian, Danish Technological Institute, Aarhus/DK
	Corrosion in the Refinery Industry
P-1564	**A new laboratory approach to determine crude oil corrosivity** M.E. Gennaro, S. Sgorlon, M. Tolomio, Venezia Tecnologie SpA/I; C. Flego, L. Montanari, eni div. r&m, SDM CHIF, S. Donato Milanese/I
P-1699	**Naphthenic corrosion of API 5L GrB steel in oil using micrograph temporal series coupled with electrochemical techniques** E. Costa Rios, Federal Univeristy of São Carlos/BR; A.M. Zimer, L.H. Mascaro, E.C. Pereira, Federal University of São Carlos/BR
P-1708	**Assesment by electrochemical impedance spectroscopy (EIS) and gravimetry of the corrosion effect of the sulfur layer on steel ASTM A335-P9 in environments simulating heavy** J. Sanabria, D. Laverde, C. Vásquez, Universidad Industrial de Santander, Bucaramanga/CO; H. Quiroga, C. Blanco, Instituto Colombiano del Petróleo, Piedecuesta/CO
P-1712	**Application of near infrared spectroscopy, NIR and chemometric methods for prediction of corrosion in crude oil refining units** C. Mejia, D. Laverde, Universidad Industrial de Santander, Bucaramanga/CO
	Corrosion Mechanisms & Methods
P-1022	**Ultra fast depth profile measurements of materials: Pulsed RF GD OES tool for corrosion studies** P. Chapon, A. Tempez, C. Olivero, Horiba Scientific, Longjumeau/F
P-1026	**Microstructural evaluation of the galvanic corrosion of nickel and high-chromium iron alloys in turbocharger application** A.S.M. Paroni, J.W. Calderón-Hernández, Universidade de São Paulo/BR; R. Magnabosco, FEI University, São Bernardo do Campo/BR; N. Alonso-Falleiros, Universidade de São Paulo/BR
P-1029	**Electrical, mechanical and corrosion performance of copper matrix composites produced by mechanical alloying and consolidation** A. Torres, S. Serna, A. Molina, J. Colin, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX
P-1031	**Exploratory study of degree sensitization of duplex stainless steel UNS S31803 aged at 800°C by DL-EPR method** L.C. Morais, D.C. Santos, R. Magnabosco, Ignatian Educational Foundation, São Bernardo do Campo/BR
P-1034	**Possibilities of ENM to evaluate anti-corrosion performance of new types of zinc rich epoxy paints in relation to ZRP formulations** B. Eremias, L. Mindos, L. Turek, SVÚOM Ltd., Prague/CZ

P-1035	**Influence of electrolyte concentration on the degree of sensitization of an UNS S31803 duplex stainless steel aged at 475°C** E.B. Melo, Aeronautical Institute of Technology (ITA), São José dos Campos/BR; R. Magnabosco, Ignatian Educational Foundation (FEI), São Bernardo do Campo/BR; C. Moura Neto, Aeronautical Institute of Technology (ITA), São José dos Campos/BR
P-1069	**Localized corrosion behaviour of cold worked CrNi and new Mn-alloyed metastable austenitic steel grades** P. Seemann, Institut für Werkstoffsystemtechnik Thurgau, Taegerwilen/CH; P. Guempel, University of Applied Sciences Constance/D
P-1072	**A novel surface treatment for 316L stainless steel using magnetization technology** X.Q. Cheng, University of Science and Technology, Beijing/PRC
P-1084	**Corrosion mechanisms and models for flue gas corrosion in aluminum heat exchangers** W. Wang, DECHEMA Research Institute, Frankfurt am Main/D; W. Schmid, Bosch Thermotechnology, Deventer/NL; W. Fürbeth, DECHEMA Research Institute, Frankfurt am Main/D
P-1101	**The effect of glycine at aluminium passive state in borate buffer solution** S. Kaluzhina, T. Minakova, A. Chikova, Yu. Sokolov, Voronezh State University/RUS
P-1109	**Influence of Mg ion on corrosion resistance of phosphate coating on Zn-Mg alloy coated steel** Y.J. Kwak, T.Y. Kim, D.Y. Lee, K.H. Nam, Y.H. Jung, W.S. Jung, M.J. Eom, S.J. Hong, POSCO, Gwangyang-si/ROK; J.K. Min, H.K. Sohn, Pohang Institute of Metal Industry Advancement, Pohang/ROK
P-1140	**Corrosion behavior of 18Cr-18Mn experimental steel** A. Torres, R. Reyes, A. Serna, H. Martinez, A. Molina, J. Colin, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX
P-1143	**Effect of ECAP on the pitting corrosion of 304 stainless steels** Z.J. Zheng, Y. Gao, South China University of Technology, Guangzhou/PRC
P-1187	**Direct observation of oxide formation on copper in alkaline solution by TEM** J. Wu, X. Li, University of Science and Technology Beijing/CHN; Y. Huang, Nanyang Technological University, Singapore/SGP
P-1197	**Effect of sigma phase precipitation on the corrosion rate and passivation of an AISI 316L stainless steel in sulfuric acid** O. Conejero, ITMA Materials Technology, Avilés/E

P-1206	**Passive state of iron in weak-basic borate solution** N. Nafikova, Voronezh State University of Engineering Technologies/RUS; S. Kaluzhina, Voronezh State University/RUS
P-1207	**Risk assessment and quality assurance of corrosion protection for steel structures of industrial facilities** V. Korolov, Priazovsky State Technical University, Mariupol/UA; Y. Vysotskyy, Donetsk National Technical University/UA; Y. Filatov, P. Korolov, PrSC “Donetsksteel” - Metallurgical Plant”, Donetsk/UA
P-1244	**Corrosion simulator: A useful tool for characterization of galvanically coupled materials behaviour under thin electrolyte film** L. Diblíková, M. Pazderová, V. Jenícek, Výzkumný a zkusební letecký ústav, a.s. (VZLÚ, a.s.), Prague/CZ
P-1285	**New measurement system for analysis of corrosion morphology of steel sheets using laser displacement meters** H. Kajiyama, M. Omoda, M. Kimura, JFE Steel Corporation, Kawasaki/J; S. Fujita, JFE Steel Corporation, Chiba/J
P-1296	**Probabilistic lifetime estimation method for long-term exposed aluminium conductor** M. Jaglova, L. Turek, B. Eremias, SVUOM Ltd., Prague/CZ
P-1347	**Mott-Schottky analysis of bilayer passive films on stainless steels using an equivalent circuit made up of 2 CPEs and 1 resistor in series** I. Guillotte, Aperam Stainless France, Isbergues/F and University of Grenoble, Saint Martin d’Hères/F; J.P. Petit, University of Grenoble, Saint Martin d’Hères/F; M. Skocic, Areva NP and University of Grenoble, Saint Martin d’Hères/F; G. Berthomé, University of Grenoble, Saint Martin d’Hères/F; C. Miraval, S. Saedlou, Aperam Stainless France, Isbergues/F
P-1348	**Aluminium A91100 for bipolar plates in hydrogen fuel cells, corrosion and physical characterization** E. Valenzuela, Universidad Autonoma de Baja California, Mexicali/MEX; S. Serna, A. Torres, Universidad Autonoma del Estado Morelos, Cuernavaca/MEX; A. Lambert, Universidad Autonoma de Baja California, Mexicali/MEX; J. Mayen, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX
P-1357	**Development of new mathematical models for the estimation of atmospheric corrosion rates in subtropical environments** J.J. Santana, University of Las Palmas de Gran Canaria/E; H.C. Vasconcelos, Azores University, Ponta Delgada/P; V. Cano, B.M. Fernández-Pérez, J. Morales, R.M. Souto, S. González, University of La Laguna/E
P-1364	**Pitting corrosion of magnesium in neutral and alkaline electrolytes** M.V.S. Bernardes, G. Knörnschild, UFRGS, Porto Alegre/BR

P-1379	**Corrosion behavior of B_4C-reinforced AZ91 matrix composites** M. Kocabas, I. Kerti, Ü. Çavusoglu, Yildiz Technical University, Istanbul/TR; F. Toptan, Universidade do Minho, Guimarães/P; N. Cansever, Yildiz Technical University, Istanbul/TR
P-1396	**Effect of temperature and concentration on the passive film properties of a duplex stainless steel in LiBr solutions** R. Leiva-García, D. Palací-López, M.J. Muñoz-Portero, J. Garia-Anton, Universidad Politecnica de Valencia/E
P-1402	**Influence of temperature on the semiconducting properties of passive films formed on Alloy 31 in a LiBr solution** R.M. Fernández-Domene, E. Blasco-Tamarit, D.M. García-García, J. Garcia-Anton, Universidad Politecnica de Valencia/E
P-1403	**Corrosion cracking susceptibility of aluminium alloys at stressed fasteners mounting** S.A. Karimova, D.V. Chesnokov, V.P. Zhilikov, Federal State Unitary Enterprise «All-Russian Scientific -Research Institute», Moscow/RUS
P-1404	**Thermogalvanic and galvanic corrosion of titanium and AISI 316L SS pairs under hydrodynamic conditions in phosphoric acid media** R. Sánchez-Tovar, M.T. Montañés, J. García-Antón, Universidad Politecnica de Valencia/E
P-1406	**Susceptibility to galvanic corrosion of base AISI 316L/welded AISI 316L thermocouples in LiBr solution** R. Sánchez-Tovar, M.T. Montañés, J. García-Antón, Universidad Politecnica de Valencia/E
P-1410	**Electrochemical frequency modulation: Study of the electrochemical behaviour of alkanolamines against Cl-induced corrosion of mild steel** Y. Morozov, A.S. Castela, A.P.S. Dias, M.F. Montemor, Instituto Superior Técnico, Lisboa/P
P-1429	**The electrochemical investigation on corrosion behavior of two titanium aluminide in aqueous environments** A. Banu, Politehnica University of Bucharest/RO; M. Marcu, Institute of Physical Chemistry " Ilie Murgulescu" of Romanian Academy, Bucharest/RO; E. Alexandrescu, COMOTI- R&D Romanian Institute for Gas Turbines, Bucharest/RO
P-1442	**Thermodynamic and transport Properties of Al-doped Nickel Oxide–Effect on the thermal oxidation of Ni-Al alloys** N. Halem, University Mouloud Mammeri, Tizi-Ouzou/DZ; Z. Halem, University Mentouri, Constantine/DZ; M. Abrudeanu, University of Pitesti/RO; G. Petot-Ervas, Ecole Centrale Paris/F
P-1493	**Evaluation of electronic properties of laser marked ASTM F 139 stainless steel in phosphate buffer solution with albumin** E.F. Pieretti, T.F. Fontes, I. Costa, Instituto de Pesquisas Energéticas e Nucleares, São Paulo/BR
P-1495	**Influence of the laser marking parameters on the corrosion resistance of ASTM F139 stainless steel for biomedical application** E.F. Pieretti, M.P. Raele, W. de Rossi, I. Costa, M.D.M. das Neves, Instituto de Pesquisas Energéticas e Nucleares, São Paulo/BR

P-1496	**Electrochemical study of AISI 1004 steel in protic ionic liquids: Influence of carbon chain** R. Santos, T. Falcade, M. Vega, UFRGS, Porto Alegre/BR; M. Iglesias, S. Mattedi, UFBA, Salvador/BR; C. Malfatti, UFRGS, Porto Alegre/BR
P-1498	**Effect of strain hardened microstructures on the electrochemical behaviours of 316L stainless steel** A. Al Zaabi, Y. Yi, P. Cho, Khalifa University, Abu Dhabi/UAE; C. Jang, KAIST, Daejeon/ROK
P-1499	**Effect of thiourea on the corrosion inhibition and hydrogen permeation of a carbon steel in sulfuric acid** R. Requiz, Universidad Metropolitana, Caracas/YV; M. Almeida, A. Rosales, Universidad Simon Bolivar, Caracas/YV
P-1518	**Intergranular corrosion mechanism of a 2050 T3 aluminum-copper-lithium alloy** M. Guerin, E. Andrieu, Université de Toulouse/F; L. Lacroix, Université de Toulouse, Tarbes/F; G. Odemer, Université de Toulouse/F; J. Alexis, Université de Toulouse, Tarbes/F; C. Blanc, Université de Toulouse/F
P-1551	**The investigation of corrosion behaviours of St 37.2, electroless nickel coated St 37.2, 304L and 316L of steels with electrochemical method** H.D. Ada, Dumlupinar University, Kutahya/TR; S. Altanlar, F. Erdem, Turkish Sugar Factories Co., Ankara/TR; G. Bereket, Eskisehir Osmangazi University/TR
P-1561	**The effect of the natural convection on localised corrosion simulations** A.S. Demeter, V. Topa, Technical University of Cluj-Napoca/RO; A.C. Bastos, University of Aveiro/P; J. Deconinck, Vrije Universiteit Brussels/B
P-1573	**A study by in situ Raman spectroscopy of carbon steel corrosion in CO_2 and H_2S environment** J. Kittel, O. Delpoux, F. Grosjean, IFP Energies nouvelles, Solaize/F; S. Joiret, CNRS, Paris/F; N. Desamais, C. Taravel-Condat, Technip, Le Trait/F
P-1614	**Effect of grain refinement on the corrosion resistance of 316L stainless steel produced by hydrostatic extrusion** E. Ura-Binczyk, M. Urban, M. Lewandowska, Warsaw University of Technology/PL
P-1622	**Effect of welding and temperature on the corrosion behaviour of an austenitic stainless steel in phosphoric acid medium** S. Bakour, A. Guenbour, University Mohammed V- Agdal, Rabat/MA; J. García-Antón, Universitat Politècnica, Valencia/E
P-1624	**Corrosion properties of hastelloy C-276, C-22 and C-2000 at various temperatures and chloride concentrations in sulphuric acid solutions** J. Van der Merwe, T. Montong, University of the Witwatersrand, Johannesburg/ZA
P-1639	**Corrosion behaviour of high purity Mg, ZE41 and AZ91 in a buffer-regulated Hank's solution in dependence of the chloride ion concentration** C. Taltavull, Universidad Rey Juan Carlos, Móstoles/E; Z. Shi, The University of Queensland, Brisbane/AUS; B. Torres, J. Rams, Universidad Rey Juan Carlos, Móstoles/E; A. Atrens, The University of Queensland, Brisbane/AUS

P-1641	**A user-friendly method to determine the pitting corrosion behaviour of cutlery products made of martensitic stainless steels** M. Babutzka, P. Rosemann, A. Heyn, University of Magdeburg/D
P-1645	**Influence of cold rolling on microstructure and the passive film of the NBR ISO 5832-1 austenitic stainless steel** A. Hincapie, C. Hincapie, I. Costa, University of São Paulo/BR
P-1649	**Influence of albumin on crevice corrosion resistance of the nbr iso 5832-1 austenitic stainless steel** C. HIncapie, A. Hincapie, I. Costa, University of São Paulo/BR
P-1667	**Comparing the corrosion inhibition performance of 2-mercaptobenzimidazole and benzimidazole** C. Ruiz-Camargo, P. Morales-Gil, M.S. Walczak, R. Lindsay, University of Manchester/UK
P-1668	**Tribocorrosion mechanism on Ni-30%Cr alloys** M. Arudeanu, University of Pitesti/RO
P-1685	**Optimization of aluminium components obtained through the SSR(COES) process** L. Solaberrieta, Public University of Navarra, Pamplona/E; J. Cordoba, Asientos Esteban Enterprise, Pamplona/E; J. Fernandez, Public University of Navarra, Pamplona/E
P-1686	**Corrosion resistance of pearlitic and bainitic cast iron alloys in a synthetic solution of the condensate from combustion gases** S.M.C. Costa, E.D. Rejowski, Mahle, Jundiaí/BR; I. Costa, IPEN/CNEN-SP, São Paulo/BR
P-1691	**Influence of heat treatment and microstructure on DL-EPR tests of a supermartensític 15%Cr steel** S.S.M. Tavares, J.M. Pardal, Universidade Federal Fluminense, Niteroi/BR; M.R. da Silva, Universidade Federal de Itajubá/BR; M.C.S. Macedo, Universidade Federal do Espírito Santo, Vitória/BR; B.A.R.S. Barbosa, Universidade Federal Fluminense, Niteroi/BR
P-1710	**Characterisation of pit geometry and its influence on the mechanical properties of AA2024 aluminium alloy** A. Pokhmurskyy, T. Lampke, D. Nickel, Chemnitz University of Technology/D; B. Rusyn, Karpenko Physical-Mechanical Institute of the National Academy of Sciences of Ukraine, Lviv/UA
P-1777	**Electrochemical study of the cut-edge corrosion of zinc and ZnMgAl coatings on steel** A. Panão, Technical University of Lisbon/P; A. Krause, G. Grundmeier, University of Paderborn/D; A. Simões, University of Lisbon/P
P-1799	**Corrosion behaviour of magnesium alloys in physiological media** M. Ferreira, A. Zomorodian, Instituto Superior Técnico, Technical Univ. of Lisbon/P; T.M. Silva, Instituto Superior de Engenharia de Lisboa/P; M.J. Carmezim, ESTSetúbal, Instituto Politécnico de Setúbal/P; M.F. Montemor, Instituto Superior Técnico, Technical Univ. of Lisbon/P; J.C.S. Fernandes, Instituto Superior Técnico, Technical Univ. of Lisbon, Lisboa/P

P-1804	**Correlation of corrosion resistance and nanoindentation results of AISI 316L SS biomaterial after surface finishing operations** T. Hryniewicz, K. Rokosz, Koszalin University of Technology/PL
P-9056	**Synchrotron microtomography studies of atmospheric pitting corrosion of stainless steel** H. Mohammed Ali, A. Davenport, M. Attallah, L. Guo, S. Street, A. Du Plessis, Univ. of Birmingham, School of Metallurgy and Materials, Birmingham/UK
	Corrosion of Archaeological and Historical Artefacts
P-1128	**Plasmachemical treatment on corrosion layer of iron** V. Sazavska, M. Mazankova, F. Krcma, M. Prochazka, University of Technology, Brno/CZ
P-1295	**Pre-restoration study of paint systems of art nouveau bridge artefacts** A. Koukalova, B. Eremias, SVUOM Ltd., Prague/CZ
P-1317	**Reduction of brass model corrosion layers using low-pressure low-temperature hydrogen plasma** L. Radkova, P. Fojtikova, V. Sazavska, F. Krcma, Brno University of Technology/CZ
P-1411	**Corrosion of daguerreotypes: Atmospheric pressure non-thermal plasma for the reduction of silver tarnish** M. Boselli, C. Chiavari, V. Colombo, E. Ghedini, M. Gherardi, C. Martini, F. Rotundo, P. Sanibondi, University of Bologna/I
P-1571	**Combination of voltammetry of microparticles and EIS for diagnostic of corrosion advance in archaeological iron** A. Doménech-Carbó, Universitat de València/E; M. Lastras, F. Rodríguez, M.T. Doménech-Carbó, Universitat Politècnica de València/E
P-1619	**Complex characterization of copper corrosion layers on artworks formed in urban climate** T. Onyszczuk, H. Garbacz, Warsaw University of Technology/PL
	Corrosion of Polymer Materials
P-1810	**Oxidative damage of an Intermediate Bulk Container (IBC) made of polyethylene by 53 % nitric acid** M. Weltschev, A. kOHL, F. Otremba, Federal Institute for Materials Research and Testing, Berlin/D

P-1811	**Chemical compatibility of liquids with polyethylene packagings for dangerous goods** M. Eiben, M. Weltschev, A. Schmidt, A. Menrad, W. Jahnke, T. Goedecke, Federal Institute for Materials Research and Testing (BAM), Berlin/D
	Corrosion of Steel in Concrete
P-1068	**Electrochemical behaviour of galvanized steel in concrete** I. Pepenar, ICECON GROUP - Research Centre CERTINCON Bucharest/RO
P-1141	**Use of a biopolymer as corrosion inhibitor on carbon steel: afm and electrochemical techniques in simulated interstitial concrete electrolyte** M. Martins, Federal Institute of Alagoas, Maceió/BR; J. Tonholo, S.B.B. Uchoa, Universidade Federal de Alagoas, Maceió/BR
P-1553	**Comparison of corrosion behavior of carbon steel and AISI 304 austenitic stainless steel in simulated chloride concrete pore solution** H. Nahali, INSA-Lyon, Villeurbanne/F and Université de Tunis El Manar/TN; L. Dhouibi, Université de Tunis El Manar/TN; H. Idrissi, INSA-Lyon, Villeurbanne/F
P-1581	**Inhibition of galvanized rebars active corrosion in fresh concrete using hydrogen peroxide** T. Bellezze, S. Monosi, G. Roventi, R. Fratesi, Università Politecnica delle Marche, Ancona/I
P-1595	**Effect of welding on the corrosion resistance of a super duplex stainless steel U52N$_+$ in polluted phosphoric acid media** S. Bakour, A. Guenbour, A. Bellaouchou, University Mohammed V-Agdal, Rabat/MA; J. García-Antón, Universitat Politècnica de València/E
P-1634	**Effects of induced corrosion of reinforced concrete beams by sulfate and chloride ions** M.P. Cunha, Instituto Superior da Maia/P; M.A.G. Silva, B. Sena da Fonseca, Universidade Nova de Lisboa, Caparica/P
P-1768	**Influence of the zeolites and corrosion inhibitor in the concrete durabilitiy** C. Vicente, A.S. Castela, R. Neves, Instituto Politécnico de Setúbal, Barreiro/P; M.F. Montemor, Instituto Superior Técnico, Lisboa/P
P-1798	**Electrochemical studies of some Schiff bases on the corrosion of steel in H_2SO_4 solution** A. Abd El-Sayed Farag, M.A. Hegazy, Egyptian Petroleum Research Institute, Cairo/ET

P-1809	**New non-destructive passivity indicators for the control of electrochemical chloride extraction in concrete** I. Martínez, M. Gonzáles, M. Castellote, Insituto de Ciencias de la Construcción Eduardo Torroja, Madrid/E
P-1816	**Microstructure transformations of the reinforcing steel bars after welding** T. Zlamal, VSB - Technical University of Ostrava/CZ; L. Krejci, VSB - Technical University of Ostravan/CZ; X. Sevcikova, VSB - Technical University of Ostrava/CZ; J. Hruby, VSB - Technical University of Ostravahn/CZ; J. Petru, VSB - Technical University of Ostrava/CZ
	Environment Sensitive Fracture
P-1054	**The critical condition and diffusion model for the formation of hydrogen blister in 18Ni maraging steel without stress** J.X. Li, Q. Li, P. Zhang, F.X. Mao, Y.J. Su, L.J. Qiao, University of Science and Technology Beijing/PRC
P-1163	**Stress corrosion cracking of nickel alloys in bicarbonate solutions** N.S. Zadorozne, Universidad de Misiones, Posadas/RA; C.M. Giordano, R.M. Carranza, Universidad Nacional de San Martín/RA; A.E. Ares, Universidad de Misiones, Posadas/RA; R.B. Rebak, GE Global Research, Schenectady, NY/USA
P-1344	**Study of the pitting corrosion evolution of stainless steel structures in marine environments by finite element modeling** M. Biezma, A. Prieto, University of Cantabria, Santander/E
P-1728	**High cycle fatigue of the 20X13 steel after long time operation as a blade of steam turbine of the TPP** O. Student, Karpenko Physico-Mechanical Institute of the NAS of Ukraine, Lviv/UA; H. Pokhmurska, Chemnitz University of Technology/D; Yu. Tkachuk, Luck National Technical University/UA; H. Nykyforchyn, Karpenko Physico-Mechanical Institute of the NAS of Ukraine, Lviv/UA
	Inorganic Coatings
P-1111	**Coatings for increased protection of aluminium clad spent nuclear fuel during long term wet storage** S.M.C. Fernandes, O.V. Correa, J.A. Souza, N.B. Lima, L.V. Ramanathan, Instituto de Pesquisas Energéticas e Nucleares - IPEN, São Paulo/BR
P-1117	**Characterization of TiO_2 nanotubes produced by anodization in ethylene glycol-H_2O electrolyte** V. Oliveira, A. Robin, M.B.A. Ribeiro, J.L. Rosa, University of São Paulo, Lorena/BR; R.Z. Nakazato, Paulista State University, Guaratinguetá/BR; M.B. Silva, University of São Paulo, Lorena/BR

P-1166	**Ex-situ Raman and IR spectroscopy of sol-gel coatings** A. Rauter, L. Slemenik Perse, B. Orel, National Institute of Chemistry, Ljubljana/SLO; B. Bengu, O. Sunetci, Arcelik R&D, Istanbul/TR; A. Surca Vuk, National Institute of Chemistry, Ljubljana/SLO
P-1176	**Poly(dimethylsiloxane)-based coatings modified with nanosized aminopropyl-heptaisooctyl polyhedral oligomeric silsesquioxane** M. Rodosek, A. Rauter, L. Slemenik Perse, National Institute of Chemistry, Ljubljana/SLO; D. Kek, Institute Jozef Stefan, Ljubljana/SLO; A. Surca Vuk, National Institute of Chemistry, Ljubljana/SLO
P-1178	**Corrosion protection properties of organic-inorganic hybrid coated galvanized steel** K.P. Ko, R.B. Park, J.H. Lee, J.S. Kim, POSCO Technical Research Laboratories, Gwangyang-si/ROK
P-1211	**Corrosion resistant nanocoatings for magnesium alloys** V. Kechin, Vladimir State University/RUS; E. Lyublinski, Northern Technologies International Corporation, Beachwood, OH/USA
P-1217	**The electrochemical behaviour of anodized NiTi in SBF** L. Marasca Antonini, A. Rocha Schmidt Witt, L. Taís Führ, D. Jardim Villarinho, Federal University of Rio Grande do Sul, Porto Alegre/BR; C. Eliana Bruno Marino, Federal University of Paraná, Curitiba/BR; C. de Fraga Malfatti, Federal University of Rio Grande do Sul, Porto Alegre/BR
P-1239	**Plasticizer addition in sol-gel formulations to increase the barrier effect of a protective coating** S.R. Kunst, K. Parise, Federal University of Rio Grande do Sul, Porto Alegre/BR; C.T. Oliveira, University of Feevale, Novo Hamburgo/BR; C.F. Malfatti, Federal University of Rio Grande do Sul, Porto Alegre/BR
P-1398	**Anticorrosion coatings for implant metals and alloys** S.L. Sinebryukhov, S.V. Gnedenkov, O.A. Khrisanfova, A.V. Puz', V.S. Egorkin, A.G. Zavidnaya, Institute of Chemistry, FEB RAS, Vladivostok/RUS
P-1591	**Hetero-oxide protective coating for magnesium alloys** S.A. Karimova, I.A. Kozlov, V.A. Duyunova, Federal State Unitary Enterprise «All-Russian Scientific-Research Institute», Moscow/RUS
P-1616	**Corrosion behaviors of hydroxyapatite/TiO_2 compositie coating preparated by micro-arc oxidation and potentiostatic method on Ti6Al4V alloy** B. Wu, Z. Ye, R. Ren, J. Wu, Xiamen Branch of Luoyang Ship Material Research Institute/PRC
P-1786	**Low Ni content nitinol surfaces by anodising** J. Vieira, IST/DEQ, Lisbon/P; T.M. Silva, ISEL/DEM, Lisbon/P; M.J. Carmezim, ESTSetuba/P; J.C.S Fernandes, IST/DEQ, Lisbon/P

P-1794	**Corrosion resistance of ZrCN-Ag biocompatible coatings: effect of composition and structural features** S. Calderon, S. Carvalho, University of Minho, Guimaraes/P; A. Cavaleiro, University of Coimbra, Coimbra/P
	Marine Corrosion
P-1016	**Effects of composition and fabrication method on corrosion behavior of tungsten heavy alloys in aqueous solution** Z. Abdel Hamid, CMRDI, Helwan/ET; H.B. Hassan, Cairo University, Giza/ET
P-1021	**Electrochemical properties of stainless steels in the seawater** I. Juraga, I. Stojanovic, V. Simunovic, University of Zagreb/HR
P-1463	**Copper corrosion in soils contaminated with high concentrations of chlorides** E. Niculita, I. Ornelas, Lisbon University/P; S. Capelo, Évora University/P; I.T.E. Fonseca, Lisbon University/P
P-1600	**First experiences in the assessment and mitigation of marine corrosion in metallic components for marine renewable energy devices** D. Fernández de Rucoba, R. Rodríguez Arias, I. Gorrochategui Sánchez, CTC, Santander/E
P-1665	**Corrosion inhibition of mild steel in seawater by marine biopolymers: Physicochemical and biological processes** A.C. Tassel, K. Lemarchand, K. Doiron, R. St-Louis, Université du Québec à Rimouski/CDN; S. Simard, Centre National de Recherche du Canada, Chicoutimi/CDN
P-1679	**Interest of the TSA coating system for the corrosion protection of mooring chains** M. Tejero, J.-B. Jorcin, Tecnalia, Donostia-San Sebastián/E; E. Rodrigez, A. Exposito, Vicinay, Bilbao/E
P-1680	**Design of a floating corrosion laboratory to be installed in the Basque coast** M. Tejero, J.-B. Jorcin, P. Corengia, Tecnalia, Donostia-San Sebastián/E
P-8550	**AA 5083 Aluminium alloy Corrosion in Estuarine Environment** M. J. F. Marques, I. N. Alves, R. P. Gonçalves, T. C. Diamantino, LNEG/LMR, Lisboa/P
	Metallic Coatings
P-1015	**Ni-Mo-P alloys novel electrode for ethanol electrooxidation for fuel cell applications** Z. Abdel Hamid, CMRDI, Helwan/ET; H.B. Hassan, Cairo University, Giza/ET

P-1018	**Behavior of copper/electroless Ni-Cr-B diamond composites as heat sink material** Z. Abdel Hamid, F. Abdel Mouez, CMRDI, Helwan/ET; F.A. Morsy, N.A. Khalifa, Helwan University/ET
P-1049	**Effect of phosphorus-sulfuric acid anodizing on the performance of surface bonding for aluminum** Y. Huang, D. Liu, T. Lu, Z. Meng, L. Zhong, Academy of Armored Forces Engineering, Beijing/PRC
P-1059	**Corrosion behavior of metallic coatings under cyclic wet-dry conditions by using different chloride salts** A. Nishikata, T. Okazaki, E. Tada, Tokyo Institute of Technology/J
P-1105	**Process optimization in high-temperature hot-dip galvanizing of small parts** A. Schütz, S. Six, Institut für Korrosionsschutz Dresden GmbH/D
P-1116	**Study of the influence of post weld heat treatment (PWHT) on the salt spray corrosion behaviour of 316L steel clad** A. Ramasamy, R. Martins, M.J. Marques, A. Batista, A. Loureiro, C.M.A. Brett, University of Coimbra/P
P-1120	**The structure of hot dip galvanized coatings obtained on the 27MnSi5 steel** H. Kania, Silesian University of Technology, Gliwice/PL
P-1121	**The impact of strength class of coil chains produced of the 23GNMA+V steel upon the structure of zinc coatings** H. Kania, P. Liberski, Silesian University of Technology, Gliwice/PL
P-1172	**Ni70/Co30 porous electrode with Pt layer - Preparation and properties** A. Jaron, Cracow University of Technology/PL
P-1221	**Corrosion protection of heat exchanger materials for heat storage applications** S. Schuster, P. Masset, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT, Sulzbach-Rosenberg/D
P-1245	**Microhardness changes of nano-structured composition coatings in corrosion process** G. Yar-Mukhamedova, A. Kemelzhanova, U. Tazhenbaeva, R. Atchibaev, Centre of Earth Science, Metallurgy and Benification JSC, Almaty/KAZ; E. Krotenko, Premo, Barcelona/E
P-1247	**Research of Cr-SiO_2-C coatings structural changes in corrosion process by atomic force microscopy method** G. Yar-Mukhamedova, Zh. Aitbayev, U. Tazhenbaeva, R. Atchibaev, Centre of Earth Science, Metallurgy and Benification JSC, Almaty/KAZ; E. Krotenko, Premo, Barcelona/E

P-1440	**Characterisation of Sn-Cu intermetallic growth in electrodeposited tin films on copper using electrochemical anodic oxidation techniques** C. Stuttle, M. Ashworth, G. Wilcox, R. Mortimer, Loughborough University/UK
P-1474	**Corrosion properties of electroless Ni-P coating Co-deposited by TiC and Al_2O_3 nano particles** M. Askari, S. Afroukhteh, Pars Oil and Gas Company, Tehran/IR; C. Dehghanian, M. Emami, Tehran University/IR
P-1509	**The outcomes of hypercorrosion of electroless Ni-P coatings in immersion gold plating solution** R. Ramanauskas, A. Selskis, J. Juodkazyte, A. Griguceviciene, R. Tarozaite, A. Kosenko, Center for Physical Sciences and Technology, Vilnius/LT
P-1638	**Multilayer TiN tube coatings by HIPIMS plasma processing** A. Wennberg, Nano4Energy SL, Madrid/E; I. Fernández-Martínez, IES-UPM, Madrid/E; F. Briones, IMM-CSIC, Madrid/E
P-1732	**Study of zinc-nickel alloy coatings on carbon steel** F. Delgado, M. Sancy, A. Tapia, O. Vásquez, Fuerza Aérea de Chile, Santiago/RCH
P-1733	**Corrosion behaviour of arc-sprayed coatings from cored wires in stainless steel cover** M. Student, T. Stupnytskyi, G. Veselivska, V. Pokhmurskii, Karpenko Physico-Mechanical Institute of the NAS of Ukraine, Lviv/UA; B. Wielage, H. Pokhmurska, Chemnitz University of Technology/D
P-1745	**Corrosion properties of welded layers on the hydraulic cylinder rods for mining equipment** H. Pokhmurska, Chemnitz University of Technology/D; A. Holyakevych, L. Orlov, TM.WELTEK GmbH, Kyiv/UA
P-1714	**Effect of molybdenum and tungsten on the corrosion resistance of tin-zinc and tin-manganese alloys** P. Ozga, H. Kazimierczak, Z. Swiatek, M. Slupska, Polish Academy of Sciences, Krakow/PL
P-1764	**Elaboration of modified electrodes by metallization of insulating substrates** Merati, C. Dehchar, M. Naimi, Polytechnic Military School, Bordj El Bahri/DZ
P-1787	**Effect of pyridine on the electrocrystallisation and corrosion behavior of Ni-W alloy coated from citrate-ammonia media** W. Sassi, Université de Tunis-El-Manar, Tunis/TN and Université de Franche-Comté/TN; L. Dhouibi, Université de Tunis-El-Manar/TN; P. Bercot, M. Rezrazi, Université de Franche-Comté, Besançon/F
P-8538	**Localized electrochemical behavior of defected coating system during its failure process** J. Gao, University of Science and Technology, Beijing/CHN; H. Feng, L. Lu, D. Song, X. Li, University of, Beijing/CHN

	Microbial Corrosion
P-1289	**Effect of mold on corrosion behavior of printed circuit board with different surface finish materials** S. Zou, X. Li, C. Dong, H. Li, K. Xiao, University of Science and Technology Beijing/PRC
P-1359	**Biofilm activity monitoring in flow system: Carbon steel application** L. Esnault, M. Stipanicev, F. Turcu, Det Norske Veritas, Bergen/N; M. Jullien, ECOGEO-SAFE, Aix en Provence/F
P-1380	**Technological development of anti-fouling paint with incorporated EPS as natural biocide for use in structures with cathodic protection** R.S. Melo, S.L.D.C. Brasil, Federal University of Rio de Janeiro/BR; A.M. Limaverde Filho, Federal University of Rio de Janeiro, Macaé/BR; L.J. Carvalho, Federal University of Rio de Janeiro/BR; O.R. Melo Baptista, G.J. Silva, Federal University of Rio de Janeiro, Macaé/BR
P-1433	**Microbiological characterization, biochemistry and corrosion rate of carbon steel coupons SAE 1010 in freshwater** E.S.D. Oliveira, R.F.C. Pereira, S.H. Oliveira, G.M.T. Calazans, M.A.G.A. Lima, Federal University of Pernambuco, Recife/BR
P-1450	**Biocorrosion coupons carbon steel AISI 1020 buried in soil** R.F.C. Pereira, E.S.D. Oliveira, Federal University of Pernambuco, Recife-PE/BR; T.C. Silva, Federal Rural University of Pernambuco, Recife-PE/BR; M.F.P Souza, K.N. Vieira, Federal University of Pernambuco, Recife-PE/BR; S.L.D. C. Brasil, Federal University of Rio de Janeiro, Recife-PE/BR; M.A.G.A. Lima, Federal University of Pernambuco, Recife-PE/BR
P-1456	**Hydrogenase : Promoter or inhibitor of microbial corrosion** I. Rouvre, Laboratoire de Génie Chimique, Toulouse/F; I. Meynial-Salles, C. Gauquelin, Laboratoire d'Ingénierie des Systèmes Biologiques et Procédés, Toulouse/F; R. Basseguy, Laboratoire de Génie Chimique, Toulouse/F
P-1508	**Superoxide anion in vitro MIC as the initiator of zinc. The role of catalase in this process** A. Kalinina, T.N. Sokolova, V.R. Kartashov, Nizhny Novgorod State Technical University/ RUS
P-1569	**Studying biocorrosion of steel by AFM: Combining epifluorescence- with Kelvin probe force microscopy and in situ electrochemical cell** A. Kuklinski, C. Thyssen, Universität Duisburg-Essen/D; D. Holuscha, W. Fürbeth, DECHEMA Forschungsinstitut, Frankfurt am Main/D; W. Sand, Universität Duisburg-Essen/D
P-1588	**Microbial monitoring of sub sea injection water in the North Sea** K. Drønen, UniResearch, Bergen/N; I. Roalkvam, I. Steen, University of Bergen/N

P-1613	**Effects of sulphate-reducing bacteria on the corrosion of Q235 steels in 3.5 wt% NaCl media** D. Zhang, Q. Bao, Chinese Academy of Sciences, Qingdao/PRC
P-1618	**The effect of hydrostatic extrusion on the corrosion resistance of titanium grade 2** M. Zwolinska, H. Garbacz, K.J. Kurzydlowski, Warsaw University of Technology/PL
P-1696	**Hydrogen damage of duplex stainless steel in the presence sulphate-reducing bacteria** J. Michalska, Silesian University of Technology, Katowice/PL; J. Labanowski, Gdansk University of Technology/PL; M. Jaworska-Kik, Medical University of Silesia, Sosnowiec/PL; R. Socha, Institute of Catalysis and Surface Chemistry of PAS, Krakow/PL
P-1711	**Influence of biofilm with mixed culture in corrosion rate of carbon steel in systems with different conditions of sterilization** S.H. Oliveira, P. Silva, E.S. Lima, M.A.G. Andrade Lima, S.L. Urtiga Filho, UFPE, Recife/BR
P-1762	**Rust dissolution and removal by iron-reducing bacteria** J. Starosvetsky, R. Kamari, D. Starosvetsky, R. Armon, Technion, Haifa/IL
	Nuclear Corrosion
P-1216	**Effects of chloride and sulphate ions on the corrosion of alloy 800 steam generator tube** F. Abud Mansur, P. Henrique B.O. Nogueira, A. Silva de Albuquerque, M. Maria A.M. Schvartzman, Centro de Desenvolvimento da Tecnologia Nuclear, Belo Horizonte/BR
P-1390	**Start-up and shutdown experiences in primary side of vver-440 reactors at paks npp** J. Schunk, G. Patek, T. Pinter, A. Lengyel, Paks NPP/H
P-1392	**PWR primary water stress corrosion cracking in dissimilar welds** M. Dutra Quinan, M. Scvartzman, F. Mansur, Centro de Desenvolvimento da Tecnologia Nuclear, Belo Horizonte/BR; L. Lima, Vallourec & Mannesmann Tubes, Belo Horizonte/BR
P-1393	**New make-up water plant in paks npp** J. Osz, Budapest University of Technology and Economics/H; J. Schunk, G. Patek, G. Lozsi, Gy. Gaspar, NPP Paks/H

P-1538	**Prospective testing program to evaluate EBS and closing technologies performances at the radioactive waste national repository Baita Bihor** R. Fako, G. Barariu, F. Sociu, RAAN - Subsidiary of Technology and Engineering for Nuclear Projects (SITON), Magurele/RO; F. Dragolici, E. Neacsu, Horia Hulubei National Institute of Physics and Nuclear Engineering, Magurele/RO
P-1808	**Non destructive electrochemical techniques applied to the corrosion evaluation of the liner structures in Nuclear Power Plants** I. Martínez, A. Castillo, C. Andrade, Insituto de Ciencias de la Construcción Eduardo Torroja, Madrid/E
	Organic Coatings
P-1008	**Corrosion protection of mild steel by protective organic coatings and rapid assessment using an electrochemical impedance spectroscopy** M.A. Khalil, Raslanuf Oil and Gas Processing Company, Sirte/LAR; E.K. Mohamed, The University of Sirte/LAR
P-1153	**Effect of hardener variation on protective properties of polyurethane coating** E. Papaj, D.J. Mills, S.S. Jamali, University of Northampton/UK
P-1192	**Study on fouling-resistant performance enhancement of silicone-based coating with poly(acrylamide-silicone)** C. Lin, J. Zhang, L. Wang, J. Zheng, J. Zhou, Luoyang Ship Material Research Institute, Qingdao/PRC
P-1228	**Cerium modified minerals for eco-friendly anticorrosive paints** S.N. Roselli, CIDEPINT, La Plata/RA; M.V. Revuelta, CIDEPINT and UNLP, La Plata/RA; A.R. Di Sarli, CIDEPINT, La Plata/RA; M.C. Deyá, R. Romagnoli, CIDEPINT and UNLP, La Plata/RA
P-1241	**Effect of chromium content in steel for adhesion durability of 3 layered polyethylene coated steel** M. Murase, JFE Steel Corp., Kawasaki/J
P-1292	**Enhancement of anodized aluminium alloy Al 2024-T3 corrosion resistance by pore sealing with polypyrrole** M. Merisalu, J. Asari, J. Kozlova, M. Marandi, M. Pala, P. Ritslaid, V. Sammelselg, Tartu University/EW

P-1333	**The study of a coating based on carboxylate compounds as protection for lead or lead alloyed metal objects** M. De Keersmaecker, A. Adriaens, Ghent University/B
P-1336	**Pipelines field joint coatings (Petrojet 15 years case history)** N. Hamdy, PETROJET, Cairo/ET
P-1371	**Protection against corrosion of carbon steel using intelligent ink** R. Silva, V. Maggi, J.Z. Ferreira, A. Meneguzzi, Federal University of Rio Grande do Sul, Porto Alegre/BR
P-1516	**Numerical modelling of pipe internal stress induced during the coating process with elastic, plastic and viscoelastic models** M. Tchoquessi Diodjo, Y. Joliff, E. Aragon, L. Belec, F.X. Perrin, Université du Sud Toulon Var, La Valette du Var cedex/F; M. Bonnaudet, L. Lanarde, M. Meyer, GDF SUEZ, Saint-Denis, La Plaine/F
P-1726	**Reflectance spectroscopy from TiO_2 particles embedded in polyurethane** V. Gudla, Technical University of Denmark, Kongens Lyngby/DK; S. Canulescu, Technical University of Denmark, Roskilde/DK; V. Johansen, R. Ambat, Technical University of Denmark, Kongens Lyngby/DK; J. Schou, Technical University of Denmark, Roskilde/DK; O. Sigmund, Technical University of Denmark, Kongens Lyngby/DK
P-1772	**Conduction behaviour of organic coating system during its corrosion (degradation) process** L. Lu, J. Gao, X. Li, University of Science and Technology, Beijing/CHN
P-1788	**Novel green superhydrophobic top-coats for anticorrosive primers: “for a blue sky”** A.L. Matias, M.F. Montemor, Universidade Técnica de Lisboa/P; S. Piçarra, Universidade Técnica de Lisboa and Instituto Politécnico de Setúbal/P
P-8545	**Delamination of cataphoretic coatings from different zinc substrates caused by galvanic corrosion in contact with an AlSi alloy** A. Pereira, W. Fürbeth, DECHEMA- Forschungsinstitut, 60486 Frankfurt/D
	Pretreatments
P-1252	**UV curable inks on siloxane-PMMA hybrid films for tin plate corrosion protection** S.R. Kunst, K. Parise, Federal University of Rio Grande do Sul, Porto Alegre/BR; C.T. Oliveira, University of Feevale, Novo Hamburgo/BR; C.F. Malfatti, Federal University of Rio Grande do Sul, Porto Alegre/BR

P-1260	**Effect of Ni and Mn content on phosphate conversion coating of Zn-Mg alloy coated steel** J. Min, H. Sohn, Pohang Institute of Metal Industry Advancement, Pohang/ROK; Y. Kwak, T. Kim, POSCO, Gwangyang/ROK
P-1435	**Conversion coatings on magnesium alloys: EIS and SEM studies** M. Mosialek, G. Mordarski, P. Nowak, M. Krzak, Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow/PL; W. Simka, G. Nawrat, Silesian University of Technology, Gliwice/PL
P-1489	**Nanoceramics coatings as an alternative phosphating process to carbon steel AISI 1010** E. Knopp Kerstner, S.R. Kunst, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR; L.C. Scienza, Universidade de Caxias do Sul/BR; C. de Fraga Malfatti, Universidade Federal do Rio Grande do Sul, Porto Alegre/BR
P-1690	**Electrochemical evaluation of tricationic phosphate layers composed of Zn, Ni and Mn or Zn, Nb and Mn on carbon steel** R.C. Lima, Navy Technology Center II, São Paulo/BR; A.C. Oliveira Sobrinho, I. Costa, IPEN/CNEN, São Paulo/BR
P-1737	**Passivation of phosphated galvanized steel by environmentally friendly treatments** M. Oliveira, W.I.A. Santos, J.M. Ferreira Jr., J.L. Rossi, I. Costa, IPEN/CNEN-SP, São Paulo/BR
	Self-healing Coatings
P-1014	**Synthesis and characterization of cerium-silane films activated with nanoparticles for the corrosion protection of hot dip galvanized steel** R. Zandi Zand, K. Verbeken, A. Adriaens, Ghent University/B
P-1234	**“Smart” water based epoxy coatings containing inhibitor filled nanocapsules for corrosion protection of AA2024** B.M. Rocha Martins, D. Snihirova, TU Lisbon/P; K. Szczepanowicz, P. Warsynski, Polish Academy of Sciences, Krakow/PL; M.F. Montemor, TU Lisbon/P
P-1368	**Investigation on the self-healing property of a new treatment with Ce ions and colloidal silica for corrosion protection of AA2024-T3 clad** W. Santos, University of São Paulo/BR; M. Baker, S. Hinder, R. Grilli, University of Surrey/UK; I. Costa, University of São Paulo/BR
P-1424	**Electrodeposited zinc-nanocomposite-coatings for smart corrosion protection** T.H. Tran, A. Vimalanandan, M. Rohwerder, Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf/D

P-1428	**Self-healing performance of the water-based anticorrosive epoxy coatings loaded with inhibitor-containing polyelectrolyte capsules** M. Krzak, K. Szczepanowicz, G. Mordarski, P. Nowak, P. Warszynski, Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow/PL; T. Hack, EADS Innovation Works, Munich/D
	Workshop B: CO2-Corrosion in Carbon Capture and Storage Applications
P-1806	**Vibration tests for determination of mechanical behavior in CO_2-containing solutions** A. Pfennig, HTW - University of Applied Sciences Berlin/D; S. Trenner, HTW - University of Applied Sciences Berlin, HTW - University of Applied Sciences Berlin/D; M. Wolf, HTW - University of Applied Sciences Berlin/D; C.P. Bork, BAM - Federal Institute of Materials Research and Testing, Berlin/D
	Workshop E: Corrosion of Advanced Composite Materials and Hybrid Components
P-1547	**Corrosion studies of CFRP-based hybrid materials** A. Bauer, BMW Group, Regensburg/D; G. Grundmeier, University of Paderborn/D; J. Weitl, H. Steger, BMW Group, Regensburg/D