

EUROCORR 2011 – Poster Programme (as of 2 September 2011)

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| | Automotive Corrosion (WP 17) |
| A 1 | Oxidation behaviour of extruded AZ91D alloy with Gd additions <u>A. Pardo</u> , R. Arrabal, M.C. Merino, M. Mohedano, P. Casajús, E. Matykina, Complutense University of Madrid/E; J. Barberii, Simón Bolívar University, Caracas/YV |
| A 2 | Corrosion behaviour of AM50 magnesium alloy with Nd additions in humid environments <u>R. Arrabal</u> , A. Pardo, M.C. Merino, P. Casajús, M. Mohedano, Complutense University of Madrid/E; K. Paucar, National University of Engineering, Lima/PE; Y. Tirado, Simón Bolívar University, Caracas/YV |
| A 3 | New approach for increasing corrosion resistance of magnesium alloys <u>V. Kechin</u> , Vladimir State University/RUS; E. Lyublinski, Northern Technologies International Corporation, Beachwood, OH/USA |
| A 4 | Corrosion characteristics of aluminum foams prepared by powder-metallurgy process <u>C. Donik</u> , Institute of Metals and Technology, Ljubljana/SLO; A. Kocijan, Institute of Metals and Technology, Ljubljana/SLO; I. Paulin, M. Jenko, Institute of Metals and Technology, Ljubljana/SLO |
| A 5 | Corrosion behaviour of alloy AK-64 in terms of heat-transfer <u>B. Dytkowicz</u> , E. Rostek, M. Grobelny, D. Rudnik, A. Wojciechowski, Motor Transport Institute, Warsaw/PL |
| A 6 | Characterisation of novel surface pretreatments on aluminium, HDG steel and carbon steel <u>K. Lindqvist</u> , Swerea IVF AB, Moelndal/S; M. Öhman, D. Persson, Swerea KIMAB AB, Stockholm/S |
| A 7 | Impact of hydrogen on mechanical properties and fracture characteristics of three variants of TRIP 800 steels <u>J. Sojka</u> , P. Vánová, A. Wenglorzová, K. Konečná, Technical University of Ostrava/CZ |
| | BIOCOR Session |
| B 1 | More reliable monitoring and decision support in the oil & gas industry <u>M. Stipanicev</u> , E. Loic, B. Lilliebo, H.E. Berge, M. Scott, DNV, Bergen/N |
| B 2 | Data base and corrosion models for MIC in oil & gas <u>I. Comanescu</u> , E. Johansson, Swerea KIMAB AB, Stockholm/S |
| B 3 | Influence of the adsorption of bio-macromolecules on the chemical composition of passive layers and the electrochemical behaviour of metallic materials in power supply facilities <u>B. Torres Bautista</u> , I. Frateur, P. Marcus, CNRS - ENSCP, Paris/F |
| | Cathodic Protection (WP 16) |
| C 1 | Numerical simulation of a cathodic protection system in a controlled field condition <u>S.L.D.C. Brasil</u> , Federal University of Rio de Janeiro/BR; D.S de Freitas, National Institute of Technology, Rio de Janeiro/BR; J.F.P. Coelho, Petrobras, Rio de Janeiro/BR; J.C.F. Telles, J.A.F. Santiago, Federal University of Rio de Janeiro/BR; J.H.L. Oliver, Petrobras, Rio de Janeiro/BR |
| C 2 | Influence of soil resistivity in the attenuation of corrosion M. Lobato, Decoder Technic SA de CV, México D.F./MEX |

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| C 3 | Cathodic protection in the pipeline crossing <u>A. Franco</u> , O. Peña, V. Rodriguez, Decoder Technic SA de CV, Mexico D.F./MEX |
| C 4 | Analysis of a cips study for the application of dcvg technique in a 50 km pipeline M. Lobato, A. Franco, <u>L. Gonzalez</u> , Decoder Technic SA de CV, México D.F./MEX |
| C 5 | Evaluation of cathodic protection in two paralel pipelines of 24" in diameter <u>M. Lobato</u> , A. Franco, L. Gonzalez, Decoder Technic SA de CV, México D.F./MEX |
| C 6 | Cathodic protection in a road right with 4 pipelines located by GPS M. Lobato, A. Franco, <u>O. Peña</u> , Decoder Technic SA de CV, Mexico D.F./MEX |
| C 7 | Study of the cathodic protection system in a road right formed by twelve pipe lines of different diameter with a length of 2.5 km by the CIPS and DCVG techniques M. Lobato, <u>A. Franco</u> , L. Gonzalez, E. Flores, O. Peña, Desarrollo de Tecnología y Servicios Integrales SA, Mexico D.F./MEX |
| Coatings (WP 14) | |
| D 1 | Investigation corrosion protection behavior of MMT/Polypyrrole nanocomposites <u>H. Rasouli Sadabad</u> , A.A. Sarabi, S.M. Kassirha, Amir Kabir University of Technology, Tehran/IR |
| D 2 | Enhancing corrosion resistance of magnesium alloy AZ91D via anodizing technique <u>M. Shoeib</u> , Central Metallurgical Research & Development Institute (CMRDI), Cairo/ET; Y. Barakat, A. Ehmeda, Tebbin Institute for Metallurgical Studies, Cairo/ET |
| D 3 | Microstructure and corrosion resistance of Fe-Al intermetallic coating on mild steel synthesized by hot-dip aluminizing <u>M. Shoeib</u> , F. Bayoumi, Central Metallurgical Research & Development Institute (CMRDI), Cairo/ET; Y. Barakat, Tebbin Institute for Metallurgical Studies, Cairo/ET; W. Ghanem, Central Metallurgical Research & Development Institute (CMRDI), Cairo/ET; H. Farag, Tebbin Institute for Metallurgical Studies, Cairo/ET |
| D 4 | cancelled |
| D 5 | Electrodeposition of Cu-CuO composite films from noncyanide alkaline electrolyte for glucose electrooxidation <u>Z. Abdel Hamid</u> , Central Metallurgical Research & Development Institute (CMRDI), Helwan/ET; H.B. Hassan, Cairo University, Giza/ET |
| D 6 | Synthesis and protective AM50 magnesium alloy and its composite using environmentally pretreatment electrolyte <u>Z. Abdel Hamid</u> , M.T. Abou Elkhair, Central Metallurgical Research & Development Institute (CMRDI), Helwan/ET; H.B. Hassan, Cairo University, Giza/ET |
| D 7 | Corrosion inhibition of aluminium alloys by electrochemically deposited cerium-based coatings <u>H.D. Johansen</u> , A.J. Motheo, University of São Paulo/BR; C.M.A. Brett, University of Coimbra/P |
| D 8 | Colza oil based coatings for temporary protection of steel against atmospheric corrosion <u>L.E. Tsygankova</u> , Derzhavin State University, Tambov/RUS; V.I. Vigdorovich, Tambov State Technical University/RUS; E.D. Tanygina, A.A. Uryadnikov, Derzhavin State University, Tambov/RUS |
| D 9 | Retardation of carbon steel corrosion in air atmosphere containing sulphur dioxide N.V. Shel, Tambov State Technical University/RUS; <u>L.E. Tsygankova</u> , Derzhavin State University, Tambov/RUS; V.I. Vigdorovich, L.G. Knyazeva, Tambov State Technical University/RUS |

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| D 10 | <p>The influence of hardener type on corrosion resistance properties of Epoxy-Clay nanocomposite coatings</p> <p>Y. Haji Ali Akbari, South Tehran Azad University/IR; A. Sarabi, <u>M. Khorasani</u>, Amirkabir University of Technology, Tehran/IR; S. Akhlaghi, Y. Haji Ali Akbari, Islamic Azad University, Tehran/IR; E. Haji Ali Akbari, Nargan Management Company, Tehran/IR</p> |
| D 11 | <p>Thermally sprayed aluminium titanium alloy for non-slip coatings in corrosive environments</p> <p><u>C. Wheatley</u>, D. Stephenson, London & Scandinavian Metallurgical Ltd., Rotherham/UK</p> |
| D 12 | <p>The effect of nanoclay on anticorrosive properties of epoxy-siloxane nanocomposite coating</p> <p><u>M. Pouradam</u>, S.M. Kasiriha, A.A. Sarabi, T. Samaee Yekta, Amirkabir University of Technology, Tehran/IR</p> |
| D 13 | <p>Corrosion properties of low friction MoS₂Ti and MoS₂(Ti,W) coatings deposited by magnetron sputtering</p> <p><u>M. Grobelny</u>, Motor Transport Institute, Warsaw/PL; P. Nolbrzak, Technical Univesity of Lodz/PL</p> |
| D 14 | <p>Comparison of the isothermal oxidation resistance of HVOF, VPS and APS CoNiCrAlY coatings sprayed onto Inconel 738 Nickel superalloy</p> <p><u>A. Fossati</u>, M. Di Ferdinando, I. Perissi, U. Bardi, INSTM, Florence/I; C. Giolli, Turbocoating SpA, Parma/I; A. Scrivani, Turbocoating SpA, Rubbiano di Solignano (PR)/I</p> |
| D 15 | <p>Nd:YAG laser induced thermal shock testing of oxidation protecting sol-gel alumina coatings on Ni-base alloys</p> <p>M. Feigl, R. Pulz, R. Sojref, I. Feldmann, I. Dörfel, B. Rehmer, <u>M. Nofz</u>, BAM Federal Institute for Materials Research and Testing, Berlin/D</p> |
| D 16 | <p>Electrochemical evaluation of corrosion behaviour of sol-gel alumina coated steel AISI304 and Ni-base alloy Inconel-718</p> <p>M. Feigl, C. Zietelmann, M. Sabel, <u>M. Nofz</u>, BAM - Federal Institute for Materials Research and Testing, Berlin/D</p> |
| D 17 | <p>Enhanced corrosion resistance of anatase TiO₂ coating for stainless steel via a hydrothermal post-treatment</p> <p><u>H. Yun</u>, Shanghai University of Electric Power/PRC; C.J. Lin, R.G. Du, Xiamen University/PRC</p> |
| D 18 | <p>Investigation on the effect of sipomer pam 100 on corrosion resistance and adhesion of latex paints applied on ferrous substrates</p> <p>S. Kheirabadi, South Tehran Azad University/IR; <u>M. Khorassani</u>, A.A Sarabi, Amirkabir University of Technology, Tehran/IR; S. Akhlaghi, South Tehran Azad University/IR</p> |
| D 19 | <p>Corrosion behaviour of surface films formed on titanium alloys</p> <p>J.C. Mirza Rosca, University of Las Palmas de Gran Canaria/E; <u>E. Vasilescu</u>, P. Drob, C. Vasilescu, S.I. Drob, Romanian Academy, Bucharest/RO</p> |
| D 20 | <p>Water permeability of some new organic coatings</p> <p>C. Pirvu, Politehnica University of Bucharest/RO; P. Drob, E. Vasilescu, J.M. Calderon Moreno, C. Vasilescu, <u>S.I. Drob</u>, Romanian Academy, Bucharest/RO</p> |
| D 21 | <p>Electrodeposition and characterization of Zn-Co composite coatings</p> <p>N. Boshkov, Bulgarian Academy of Sciences, Sofia/BG; <u>D.A. Koleva</u>, TU Delft/NL; S. Vitkova, N. Tsvetkova, P. Petrov, V. Bachvarov, M. Peshova, Bulgarian Academy of Sciences, Sofia/BG</p> |
| D 22 | <p>Direct electroless nickel-boron plating on commercial purity magnesium</p> <p><u>E. Correa</u>, A. Zuleta, M. Sepúlveda, J.G. Castaño, E. Echeverría, University of Antioquia, Medellin/CO; P. Skeldon, G.E. Thompson, University of Manchester/UK</p> |

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| D 23 | cancelled |
| D 24 | Effect of nitrogen incorporated into oxide layer, formed on the magnesium alloys by using r.f. PECVD process, on their corrosion resistance <u>M. Kalisz</u> , M. Grobelny, Motor Transport Institute, Warsaw/PL |
| D 25 | Performance of marine paint systems on operating ships and outdoor marine sites <u>N. LeBozec</u> , French Corrosion Institute, Brest/F; P. Le Calve, DCNS, Lorient/F; J.P. Pautasso, DGA, Bagneux/F; D. Thierry, French Corrosion Institute, Brest/F |
| D 26 | Electrochemical surface analysis of multi-metal pre-treatments for zirconium-based conversion coatings <u>J. Cerezo</u> , J.M.C Mol, TU Delft/NL; H. Terryn, Vrije Universiteit Brussel/B; K. Lill, Henkel AG & Co. KGaA, Düsseldorf/D; J.H.W. de Wit, TU Delft/NL |
| D 27 | Corrosion protection of copper in 0.1 M H₂SO₄ solution by poly(pyrrole)/poly(<i>N</i>-methyl pyrrole), poly(pyrrole)/poly(<i>N</i>-phenyl pyrrole) and poly(pyrrole)/poly(<i>N</i>-methoxyphenyl pyrrole) bilayers B. Duran, <u>G. Bereket</u> , Eskisehir Osmangazi University/TR |
| D 28 | Comparison of long term exposure (6 years) in C5-M condition and laboratory test for naval industry <u>P. Le Calvé</u> , DCNS, Lorient/F; J.P. Pautasso, DGA, Paris/F; N. LeBozec, Institute of Corrosion, Brest/F |
| D 29 | The influence of type of emulsifier and type and value of functionality on water uptake of acrylic Latex P. Moozarm Nia, <u>M. Khorassani</u> , N. Tahmassebi, A.A. Sabbagh Alvani, Islamic Azad University, Tehran South Branch/IR |
| D 30 | Cathodic disbonding of polyurethane coatings in buried pipelines - evaluate the type of electrolyte using electrochemical impedance spectroscopy <u>F. Akvan</u> , Young Researchers Club, Tehran North Branch, Islamic Azad University, Tehran/IR; J. Neshati, Research Institute of Petroleum Industry (RIPI), Tehran/IR; J. Mofidi, Islamic Azad University, North Tehran Branch/IR |
| D 31 | Elaboration and characterisation of Nickel-Zinc electrolytic deposits on steel substratum <u>A. Merati</u> , H.S. Adrar, Polytechnic Military School, Bordj El Bahri/DZ |
| D 32 | A new corrosion protection coating with polyaniline-aluminium oxide (PANI- Al₂O₃) nanocomposite N. Saadatjoo, Semnan University/IR; <u>P. Khorami</u> , Amirkabir University of Technology, Tehran/IR; M. Mirmajidi, Semnan University/IR |
| D 33 | Effect of in situ hydrogen charging on the pulsed plasma nitiding layer in stainless steels <u>M. Asgari</u> , Norwegian University of Science and Technology, Trondheim/N; M. Barnoush, Saarland University, Saarbrücken/D; M. Johnsen, Norwegian University of Science and Technology, Trondheim/N; M. Hoel, MOTech Plasma Co., Oslo/N |
| D 34 | Influence of catalyst for electroless plating on the corrosion behaviour of Ni-P coatings on glass substrate <u>M. Shibata</u> , M. Ishii, S. Tsuji, University of Yamanashi, Kofu/J |
| D 35 | Anti corrosion behavior of composit coating containing polyaniline-glass flake pigments based on epoxy resin <u>S. Asadi</u> , A.A Sarabi, Amirkabir University of Technology, Tehran/IR |

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| D 36 | A study of the role of runway De-icers on the performance of aerospace sacrificial coatings D. Collins, Airbus, Bristol/UK |
| D 37 | The corrosion and tribological behaviour of low-temperature carburised AISI316L austenitic stainless steel L. Ceschini, <u>C. Chiavari</u> , M. Martini, E. Lanzoni, University of Bologna/I |
| D 38 | Electrochemical performance of thermally sprayed aluminium protective coatings in simulated marine environments G. Rios, University of Manchester/UK |
| D 39 | Thin Al-Ta-O mixture coatings prepared with atomic layer deposition for corrosion protection of steel <u>E. Härkönen</u> , University of Helsinki/FIN; B. Diaz, A. Seyeux, J. Swiatowska, V. Maurice, CNRS - ENSCP, Paris/F; M. Fenker, FEM Forschungsinstitut für Edelmetall- und Metallchemie, Schwäbisch Gmünd/D; P. Marcus, CNRS - ENSCP, Paris/F; M. Ritala, University of Helsinki/FIN |
| D 40 | Effects of ZnO/binder ratio on the corrosion resistance of an alkyd coating <u>N. Tahmassebi</u> , K. Jazaeri, Islamic Azad University, Mahshahr Branch/IR |
| D 41 | Electrochemical deposition of zinc / nano-capsules composites and the effect of work electrode rotation and geometry <u>C.B. dos Santos</u> , University of Stuttgart/D; M. Metzner, Fraunhofer IPA, Stuttgart/D; C. Mayer, University of Duisburg-Essen, Essen/D |
| D 42 | The inhibiting effect of synthetic zinc corrosion product on steel <u>J.D. Yoo</u> , K. Ogle, P. Volovitch, CNRS - ENSCP, Paris/F; C. Allely, ArcelorMittal, Maizières-lès-Metz/F |
| D 43 | Epoxy coatings with pH sensitive organic nanocontainers loaded with inhibitors for protection of AA 2024-T3 against corrosion <u>A. Balaskas</u> , P. Bilalis, A. Karatzas, I. Kartsonakis, G. Kordas, NCSR Demokritos, Aghia Paraskevi Attikis/GR |
| D 44 | Corrosion testing of sherardised steel samples applying potentiodynamic polarisation measurements <u>R. Frieling</u> , D. Wortelen, H. Bracht, University of Münster/D; F. Natrup, W. Graf, Bodycote Wärmebehandlung GmbH, Sprockhövel/D |
| D 45 | Investigation of zinc rich layers on steel and copper generated by vapour galvanising (Sherardising) <u>D. Wortelen</u> , A. Schmitz, R. Frieling, H. Bracht, University of Münster/D; F. Natrup, W. Graf, Bodycote Wärmebehandlung GmbH, Sprockhövel/D |
| D 46 | Corrosion behaviour of Al/SiC composite coatings on AZ31 and AZ91 magnesium alloys in chloride medium by HVOF <u>B. Torres</u> , P. Rodrigo, A.J. López, M. Campo, E. Otero, C. Taltavull, J. Rams, King Juan Carlos University, Móstoles/E |
| D 47 | Epoxy coatings enhanced with copper oxide nanocontainers loaded with antifouling agents <u>A. Karatzas</u> , A. Balaskas, I. Kartsonakis, G. Kordas, NCSR Demokritos, Aghia Paraskevi/GR |
| D 48 | Electrodeposition of zinc-silica coatings for smart corrosion protection T.R. Khan, <u>A. Vimalanandan</u> , M. Rohwerder, MPI for Iron Research, Düsseldorf/D; F. Marlow, MPI for Coal Research, Mülheim/D |

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| D 49 | Electrochemical impedance spectroscopy of protective polymer coatings in high aggressive media <u>V.A Golovin</u> , S.A. Dobrijan, Russian Academy of Science, Moscow/RUS |
| D 50 | Properties of nanostructured surface of Ti-6Al-4V alloy for medical applications <u>J. Fojt</u> , L. Joska, Institute of Chemical Technology, Prague/CZ |
| D 51 | Influence of the incorporation of nanosized ceramic particles on the corrosion behavior of electrodeposited zinc coatings L. Exbrayat, University of La Rochelle/F; P. Steyer, INSA de Lyon, Villeurbanne/F; C. Savall, C. Rébéré, C. Berziou, <u>J. Creus</u> , University of La Rochelle/F |
| D 52 | Effect of surface preparation on the protective efficiency and adhesion of organic coatings applied to steel S.S. Jamali, <u>D.J. Mills</u> , University of Northampton/UK |
| D 53 | Increasing corrosion resistance of electrodeposited Ni-P coatings by incorporating TiC nano-particles <u>N. Azimzadeh</u> , Iranian Corrosion Association, Tehran/IR; T. Rabizadeh, Corrosion Science Engineering, Tehran/IR; M.S. Parvizi, Iranian Corrosion Association, Oxford/UK; A. Moradi, Iranian Organization for Science and Technology, Tehran/IR |
| D 54 | Electrochemical corrosion study of hydroxyapatite coatings applied on stainless steel substrates for implant applications <u>T. Rabizadeh</u> , Corrosion Science & Engineering, Tehran/IR; N. Azimzadeh, Iranian Corrosion Association, Tehran/IR; M.S Parvizi, Iranian Corrosion Association, Oxford/UK; A. Moradi, Iranian Organization for Science and Technology, Iran/IR |
| D 55 | Effects of different plating modes on microstructure and corrosion resistance of Ni-Cu alloy coatings <u>N. Azimzadeh</u> , Iranian Corrosion Association, Tehran/IR; D. Masouri, M. Askari, Pars Oil & Gas Co., Tehran/IR; M.S. Parvizi, Iranian Corrosion Association, Oxford/UK |
| D 56 | Effect of Mg and Si content on the microstructure and corrosion behaviour of Al-Zn based alloys for steel coating <u>J.M. Kim</u> , J.M. Lee, J.H. Ju, S.K. Chang, Dongbu Steel, Incheon/ROK |
| D 57 | Corrosion properties of DLC-coated stainless steel in Hanks solution for biomedical applications <u>D. Kek Merl</u> , P. Panjan, W. Waldhauser, Jozef Stefan Institute, Ljubljana/SLO |
| D 58 | Novel epoxy-silica creamers coatings for corrosion protection <u>A. Jannesari</u> , E. Bakhshandeh, Z. Ranjbar, Institute for Color Science and Technology, Tehran/IR; G. Heydari Hamedani, Pars Pamchal Chemical Co., Tehran/IR |
| D 59 | Anticorrosive performance of fluorinated double layered hydroxide film formed on magnesium alloy <u>T. Ishizaki</u> , N. Saito, M. Sakamoto, National Institute of Advanced Industrial Science and Technology (AIST), Nagoya/J |
| D 60 | Evaluation of organic coatings through correlation between exhibition and potentiostatic test <u>J.A. Ortiz Valera</u> , A.E. Ortiz Valera, R. Schouwenaars, A. Ortiz Prado, National Autonomous University of Mexico, Mexico D.F./MEX |
| D 61 | cancelled |
| D 62 | Burried corrosion of metallic coatings on steel <u>K. Van den Bergh</u> , M. Leveaux, ArcelorMittal R&D Gent - OCAS, Zelzate/B |

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| D 63 | Advancements in and analysis of a suitable protective conducting polymer coating, using polypyrrole against the corrosion of copper <u>U.M. Carragher</u> , C.B. Breslin, National University of Ireland Maynooth, Co. Kildare/IRL |
| Corrosion & Corrosion Protection of Drinking Water Systems (WP 20) | |
| E 1 | Electrochemical noise measurements: working electrode area dependence <u>A.M. Homborg</u> , Marinebedrijf, Den Helder/NL; X. Zhang, G.M. Ferrari, TNO, Den Helder/NL; E. van Westing, Materials innovation institute (M2i), Delft/NL; T. Tinga, Netherlands Defence Academy, Den Helder/NL; J.M.C. Mol, J.H.W. de Wit, TU Delft/NL |
| E 2 | Effect of magnesium ions on corrosion behaviour of A3003 in simulated tap water <u>M. Sakairi</u> , K. Otani, Hokkaido University, Sapporo/J; A. Kaneko, Y. Seki, D. Nagasawa, Nippon Light Metal Co. Ltd., Shizuoka/J |
| E 3 | The effect of galvanised coating structure on its corrosion behaviour of hot water tubes <u>K. Kreislova</u> , A. Koukalova, SVUOM Ltd., Prague/CZ; P. Strzyz, L. Cerny, V. Kuklik, ACSZ, Ostrava/CZ |
| Corrosion and Scale Inhibition (WP 1) | |
| F 1 | Scale inhibitor application at production well in Diyarbakir <u>B. Arac</u> , S. Tanrisinibilir, Turkish Petroleum Corporation, Ankara/TR; E. Taptik, H. Kaya, F. Dikmen, Turkish Petroleum Corporation, Batman/TR |
| F 2 | Ageratum conyzoides extract as inhibitor for acid corrosion of mild steel <u>O. Adeyemi</u> , N.A.A. Babarinde, Olabisi Onabanjo University, Ago Iwoye/WAN |
| F 3 | Role of adsorbitive ability of surface active centres in metal corrosion V.I. Vigdorovich, Tambov State Technical University/RUS; <u>L.E. Tsygankova</u> , Derzhavin State University, Tambov/RUS; N.V. Shel, Tambov State Technical University/RUS |
| F 4 | cancelled |
| F 5 | Inhibitive property of an aqueous extract of phyllanthus amarus in controlling of corrosion of carbon steel <u>M. Mani</u> , Madurai Kamaraj University, Dindigul/IND; S. Susai, Madurai Kamaraj University, Thogaimalai/IND; J. Bama, Madurai Kamaraj University, Dindigul/IND |
| F 6 | Corrosion of 304SS in H₂SO₄ containing molybdates and tungstates as inhibitors A. Alshamsi, United Arab Emirates University, Al-Ain/UAE |
| F 7 | Environmentally friendly sterilizing treatment solutions with anti-corrosion properties <u>Z. Liu</u> , GE Water and Process Technologies, Trevose/USA; P. Scheidel, Goldbach Office Park, Ratingen/D; D. Meskers, GE Water and Process Technologies, Trevose/USA |
| F 8 | Investigation of adsorption and inhibitive effect acid red gre (183) dye on the corrosion of carbon steel pipelines in hydrochloric acid media M. Abdelraouf, Egyptian Petroleum Research Institute, Cairo/ET |
| F 9 | Protecting mild steel against corrosion in neutral aqueous solution using combined inhibitors: a classical and local electrochemical approach <u>M. Poelman</u> , D. Lahem, Materia Nova Research Centre, Mons/B; F. Atmani, I. Recloux, M.-G. Olivier, University of Mons/B |
| F 10 | Corrosion inhibition of metals by corn derivatives <u>M. Kharshan</u> , A. Furman, K. Gillette, R. Kean, L. Austin, Cortec Corporation, St. Paul, MN/USA |

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| F 11 | Inhibition effect of alkaloids extract from <i>annona squamosa</i> plant on the corrosion of C38 steel in normal hydrochloric acid medium M. Lebrini, F. Robert, <u>C. Roos</u> , University of the French Antilles and Guyana, Cayenne/FGY |
| F 12 | Corrosion protection of copper by self-assembled monolayer of 4-amino-3-(octadecylthio)-6-methyl-1,2,4-triazinone <u>B.V. Appa Rao</u> , Y.I. Mohammad, C.K. Kanukula, National Institute of Technology Warangal/IND |
| F 13 | cancelled |
| F 14 | Specific of inhibition copper local depassivation at alkaline-chloride solutions under benzotriazole and thiourea influence S. Kaluzhina, Voronezh State University/RUS; E. Skrypnikova, Voronezh Military Aviation Engineering University/RUS; <u>E. Tkachenko</u> , Voronezh State University/RUS |
| F 15 | A new ternary inhibitor formulation containing Nitrilotris(methylenephosphonic acid) (NTMP), Zinc ions and Lactobionic acid for corrosion inhibition of carbon steel <u>B.V. Appa Rao</u> , S. Srinivasa Rao, National Institute of Technology Warangal/IND |
| F 16 | Effect of oxidizing ions on corrosion rates in hydrometallurgical process environments M. Lindgren, Outotec, Pori/FIN |
| F 17 | Anticorrosion behaviour of amorphous organosilicon coatings prepared by remote cold plasma assisted chemical vapour deposition process <u>C. Jama</u> , ENSCL - National Graduate School of Engineering Chemistry of Lille, Villeneuve d'Ascq/F; F. Bentiss, Chouaib Doukkali University, Eljadida/MA |
| F 18 | Synergistic effect of adipic acid and sodium metavanadate in controlling corrosion of carbon steel <u>S. Sribharathy</u> , S. Rajendran, GTN Arts College, Dindigul/IND |
| Corrosion by Hot Gases and Combustion Products (WP 3) | |
| G 1 | Behaviour of carbides-rich {Fe, Co or Ni (bal.) - 30Cr - 2.5 to 5wt.%C} ternary alloys in oxidation at high temperature M. Ba, A. Dia, O. Hestin, E. Souaillat, <u>P. Berthod</u> , University Henri Poincaré, Vandoeuvre-lès-Nancy/F |
| G 2 | cancelled |
| G 3 | Corrosion of superalloys in molten glasses: study of chromia solubility in soda lime silicate melts <u>T.K. Abdullah</u> , C. Petitjean, P.J. Panteix, C. Rapin, M. Vilasi, University Henri Poincaré, Vandoeuvre les Nancy/F |
| G 4 | Segregation of copper in austenitic stainless steels <u>J. Stouilil</u> , J. Bystriansky, V. Sefl, Institute of Chemical Technology, Prague/CZ |
| G 5 | The effect of water vapour on the nitridation behaviour of pure Cr in atmospheres with more than one oxidising species at high temperatures <u>M. Hänsel</u> , Forschungszentrum Jülich/D; S.L. Tobing, Norwegian University of Science and Technology, Trondheim/N; J. Berns, B. Gorr, H.-J. Christ, University of Siegen/D; W.J. Quadackers, Forschungszentrum Jülich/D; D.J. Young, University of New South Wales, Sydney/AUS |
| G 6 | Material solution of coatings for combustion of biomass and municipal waste <u>J. Cizner</u> , O. Brenner, SVUM A.S., Prague/CZ; P. Sajdl, Institute of Chemical Technology, Prague/CZ |

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| G 7 | cancelled |
| G 8 | Corrosion in pipe steels exposed to supercritical CO₂ during carbon capture and storage CCS A. Pfennig, B. Linke, S. Schulz, University of Applied Sciences, Berlin/D; W. Schulz, A. Kranzmann, BAM - Federal Institute of Materials Research and Testing, Berlin/D |
| G 9 | Multi-layered coatings formulations using spark plasma sintering as a rapid tool for materials solution screening D. Monceau, D. Oquab, Institut Carnot CIRIMAT, Toulouse/F; C. Estournes, CNRS, Toulouse/F and Université Paul-Sabatier, Toulouse/F; M. Boidot, S. Selezneff, Institut Carnot CIRIMAT, Toulouse/F |
| Corrosion in Oil & Gas Production (WP 13) | |
| H 1 | Corrosion inhibitors for oil & gas industries A. Kalenkova, CHIMCOR-SERVISE LTD., Yaroslavl/RUS; A.N. Mokshaev, Orenburggasprom LTD., Orenburg/RUS; I.U. Rebrov, JSC Gazprom, Moscow/RUS; V.P. Bespalov, JSC NII Yarsintez, Yaroslavl/RUS |
| H 2 | Corrosion in oil and gas production A. Onobredefe, Shell Petroleum Development Company, Warri/WAN |
| H 3 | Developing a neural network model to predict corrosion of surface-treated stainless steel E. Jafari, Islamic Azad University - Shiraz Branch/IR |
| H 4 | Electrochemical charging of H in steel in simulated sour media E. Fallahmohammadi, Polytechnic University of Milan/I; A. Dolati, Sharif University of Technology, Tehran/IR; L. Lazzari, F. Bolzoni, Polytechnic University of Milan/I |
| H 5 | Microscopic 3-D visualization of corrosion effects formed under carbon capture and storage (CCS) conditions A.S. Ruhl, R.S. Saliwan, A. Kranzmann, BAM - Federal Institute for Materials Research and Testing, Berlin/D |
| H 6 | Corrosion control by inhibition in Romanian oilfields - tool for business profit improvement R. Dinu, D. Anca, T. Ene, OMV Petrom S.A., Campina/RO |
| Corrosion in Refinery Industry (WP 15) | |
| I 1 | Test result of selected material in aggressive flue gas environment in EDC plant A. Al Beed, Saudi Petrochemical Company (SABIC), Jubail Industrial City/SAR |
| I 2 | Fix point linings for aggressive gaseous and liquid media M. Lotz, Quadrant EPP AG, Lenzburg/CH |
| I 3 | Corrosion BISULPHIDE AMMONIUM in fluid catalytic cracking unit J. Nucci Etter, T.T. Matsuo, P. Lovo Junior, R.F. Juliani, C.H. Medhaber Jambo, PETROBRAS S.A., São Paulo/BR |
| Corrosion Mechanisms & Methods (WP 6 & 8) | |
| J 1 | Corrosion characteristics of natural and industrial brines B. Valdez, M. Schorr, UABC, Mexicali/MEX; A. Eliezer, J. Haddad, Sami Shamoan College of Engineering, Besheva/IL |
| J 2 | New advances for increasing corrosion resistance of steel in various applications E. Lyublinski, Y. Vaks, Northern Technologies International Corporation, Beachwood, OH/USA; N. Kobasko, M. Aranov, J. Powell, IQ Technologies Inc., Akron, OH/USA |

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| J 3 | <p>The influence of niobium on the corrosion resistance of a full austenitic 15Cr-15Ni stainless steel</p> <p>M. Terada, The Brazilian Navy Technological Center, São Paulo/BR; D.S. Yoshikawa, I. Costa, IPEN - Nuclear and Energy Research Institute, São Paulo/BR; <u>A.F. Padilha</u>, University of Sao Paulo/BR</p> |
| J 4 | <p>Electrochemical delay pitting corrosion of aluminium alloys and forecasting of their corrosion durability</p> <p>V. Sinyavskiy, JSC "All-Russia Institute of Light Alloys", Moscow/RUS</p> |
| J 5 | <p>Effect of cold work on the critical pitting temperature of the high-entropy alloy $A_{15}Cr_{12}Fe_{35}Mn_{28}Ni_{20}$ in aqueous chloride environments</p> <p><u>H.C. Shih</u>, Chinese Culture University, Taipei/RC; Y.L. Chou, National Tsing Hua University, Hsinchu/RC; S.Y. Lin, Chinese Culture University, Taipei/RC; J.W. Yeh, National Tsing Hua University, Hsinchu/RC</p> |
| J 6 | <p>Changes of corrosion behaviour in a sulphuric acid solution for different metals and alloys after plastic deformation</p> <p>S. De Sousa, University Henri Poincaré, Vandoeuvre-lès-Nancy/F; J.P. Philippe, University Henri Poincaré, Villers-lès-Nancy/F; <u>P. Berthod</u>, University Henri Poincaré, Vandoeuvre-lès-Nancy/F</p> |
| J 7 | <p>In-situ spectroscopic and electrochemical studies of film formation and corrosive de-adhesion of ultra-thin conversion films</p> <p><u>S. Birkenheuer</u>, G. Grundmeier, University of Paderborn/D</p> |
| J 8 | <p>Base metal corrosion in AISI 316L stainless steel welds due to the presence of sigma phase</p> <p>O. Conejero, ITMA Materials Technology, Aviles/E</p> |
| J 9 | <p>The passivity of gamma titanium aluminide in 0.1 N H_2SO_4</p> <p><u>E. Saebnoori</u>, T. Shahrabi, Tarbiate Modares University, Tehran/IR</p> |
| J 10 | <p>Study on the noise resistance variation with time for pipeline steel</p> <p><u>A. Oskuie</u>, E. Saebnoori, T. Shahrabi, Tarbiate Modares University, Tehran/IR</p> |
| J 11 | <p>Crack growth measurement by impedance technique</p> <p><u>A. Oskuie</u>, E. Saebnoori, T. Shahrabi, Tarbiate Modares University, Tehran/IR</p> |
| J 12 | <p>Investigation of the inhibitive effect of Sodium 1- Octane sulfonate-$Zn_{2+} 2+$ system on corrosion of carbon steel</p> <p>M.A. Charles, Jayaraj Annapackiam College for Women, Theni/IND</p> |
| J 13 | <p>Experimental determination of high temperature pourbaix diagrams</p> <p><u>O. Palazhchenko</u>, M.H. Kaye, TU Ontario, Oshawa/CDN</p> |
| J 14 | <p>New accelerated corrosion test for zinc-coated steel sheets used in electrical appliances</p> <p><u>H. Kajiyama</u>, S. Fujita, JFE Steel Co., Chiba City/J</p> |
| J 15 | <p>Corrosion behavior and hydrogen effect on the mechanical properties of a new high resistant microalloyed steel in NS-4 solution</p> <p><u>A. Torres</u>, S. Serna, Autonomous University of the State of Morelos, Cuernavaca/MEX; B. Campillo, National Autonomous University of Mexico, Mexico D.F./MEX</p> |
| J 16 | <p>cancelled</p> |
| J 17 | <p>Corrosion of electrode materials in pulse electrolysis of water solutions</p> <p><u>B. Tzvetkov</u>, M. Bojinov, T. Tzvetkoff, Sofia University of Chemical Technology and Metallurgy/BG</p> |

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| J 18 | cancelled |
| J 19 | Influence of the solution temperature on the passivation behaviour of an austenitic stainless steel in polluted phosphoric acid C. Escrivá-Cerdán, E. Blasco-Tamarit, D.M. García-García, <u>J. García-Antón</u> , Polytechnic University of Valencia/E |
| J 20 | Influence of flowing conditions on the corrosion of micro-plasma arc welded AISI 316L stainless steel in LiBr at different temperatures R. Sánchez-Tovar, M.T. Montañés, <u>J. García-Antón</u> , Polytechnic University of Valencia/E |
| J 21 | SKP investigation of under paint corrosion on thick marine paint systems applied on carbon steel <u>A. Nazarov</u> , N. LeBozec, French Corrosion Institute, Brest/F; P. Le Calve, DCNS, Lorient/F; J.P. Pautasso, DGA, Bagnaux/F; D. Thierry, French Corrosion Institute, Brest/F |
| J 22 | In-Situ AFM studies of dealloying binary alloys <u>J. Lengsfeld</u> , M. Valtiner, G.N. Ankah, S. Meimandi, F.U. Renner, MPI for Iron Research, Düsseldorf/D |
| J 23 | Detection and analysis of pitting initiation process by combining electrochemical and microscopic methods <u>T. Müller</u> , A. Heyn, University of Magdeburg/D; A. Heyn, A. Burkert, G. Ebell, BAM - Federal Institute for Materials Research and Testing, Berlin/D |
| J 24 | Pitting corrosion of aluminum under amino acids action <u>S. Kaluzhina</u> , T. Borisenkova, Voronezh State University/RUS |
| J 25 | Evaluation of corrosion protection potential of agricultural by-products M. Shen, R. Kean, A. Furman, M. Kharshan, <u>K. Gillette</u> , Cortec Corporation, St. Paul, MN/USA |
| J 26 | Susceptibility of super austenitic stainless steel alloys to crevice corrosion in chloride solutions M. Abdulsalam, H. Alghamdi, <u>S. Arab</u> , King Abdulaziz University, Jeddah/SAR; Y. Al-Janabi, Saudi Aramco, Dhahran/SAR |
| J 27 | Aging and electrochemical behaviour of 1441 and 8090 Al-Li-Cu-Mg alloys <u>K.S. Ghosh</u> , B. Konnar, S. Mukhopadhyay, National Institute of Technology (NIT), Durgapur/IND; B. Mishra, Indian Institute of Science, Bangalore/IND |
| J 28 | Study of the surface of passivated iron in neutral environment <u>E. Zabenkina</u> , E. Baryshnikova, Moscow State Technical University/RUS; V. Batrakov, Moscow State Pedagogical University/RUS; I. Artamonova, Moscow State Technical University/RUS |
| J 29 | Performance of stainless steel against corrosion in peroxide solutions <u>A. Singh</u> , Indian Institute of Technology Roorkee, Saharanpur/IND; V. Chaudhary, J.V.Jain College, Saharanpur/IND; A. Sharma, Graphic Era University, Dehradun/IND |
| J 30 | Study of corrosion inhibition of mild steel in acidic media using ionic liquids <u>O. Olivares-Xometl</u> , Benemerita Autonomous University of Puebla/MEX; D. Guzmán-Lucero, N.V. Likhanova, N. Nava, Mexican Institute of Petroleum, Mexico D.F./MEX; R. Farfán-Puertos, Benemerita Autonomous University of Puebla/MEX |
| J 31 | Effect of surface contamination on the localised corrosion behaviour of overhead conductors <u>O. Enegele</u> , S. Lyon, University of Manchester/UK |

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| J 32 | Corrosion behavior of stainless steels in pressurized hot water containing chloride and sulfate anions <u>N. Boukis</u> , E. Hauer, W. Habicht, E. Dinjus, KIT - Karlsruhe Institute of Technology/D |
| J 33 | Crystallographic Pitting in 3XXX Aluminium Alloys <u>A. LaFerrere</u> , University of Manchester/UK; N. Parson, Rio Tinto Alcan, Jonquiere/CDN; X. Zhou, G. Thompson, University of Manchester/UK |
| J 34 | Electrochemical corrosion of SSiC and LPS-SiC ceramic materials U. Sydow, TU Dresden/D; M. Herrmann, <u>M. Schneider</u> , Fraunhofer IKTS, Dresden/D; H.J. Kleebe, TU Darmstadt/D; A. Michaelis, TU Dresden/D |
| J 35 | Electrochemical noise and digital micro tomography applied to ant-nest corrosion analysis at copper/polyurethane contact in refrigerator <u>H.A. Ponte</u> , A.N. Diogenes, N.M.S. Kaminari, Federal University of Paraná, Curitiba/BR |
| J 36 | Uniform corrosion testing in Sulphuric acid - a critical comparison of methods <u>C. Canderyd</u> , R. Pettersson, Outokumpu, Avesta/S; P.-E. Arnvig, Outokumpu, Schaumburg/USA |
| J 37 | The influence of plastic deformation on the hydrogen diffusion, and trapping in nickel <u>A. Oudriss</u> , J. Bouhattate, J. Creus, X. Feaugas, University of La Rochelle/F |
| J 38 | Comprehensive studies of corrosion processes of austenitic stainless steel and carbon steel in permanganic solutions E. Horváthné Deák, University of Pannonia, Veszprém/H; A. Szabó Nagy, University of István Széchenyi, Győr/H; K. Varga, B. Baja, Z. Németh, D. Oravetz, University of Pannonia, Veszprém/H; J. Schunk, G. Patek, Paks NPP/H; <u>K. Berkesi</u> , University of Pannonia, Veszprém/H |
| J 39 | Application of the EPR-Test to 13% chromium stainless steels <u>P. Linhardt</u> , G. Ball, S. Strobl, R. Haubner, TU Vienna/A |
| J 40 | Towards multipurpose radiotracer methods for the investigation of contamination and corrosion phenomena on constructional material surfaces K. Varga, <u>K. Berkesi</u> , D. Horváth, University of Pannonia, Veszprém/H; T. Pintér, Paks NPP/H |
| J 41 | Corrosion sensors for aluminium alloy airframes <u>J.C.S. Fernandes</u> , Instituto Superior Tecnico, Lisbon/P; P.G. Venancio, OGMA, Alverca/P |
| J 42 | Stress corrosion cracking under salt solution evaporation <u>V. Cihal</u> , M. Blahetova, TU Ostrava/CZ; M. Kadlecova, E. Kalabisova, SVUOM Ltd., Prague/CZ; S. Lasek, B. Strnadel, TU Ostrava/CZ |
| J 43 | Corrosion kinetics of NiCrAlY coating exposed to LiBr/H₂O solution at 25, 40 and 70°C using electrochemical techniques A. Trujillo Estrada, <u>C. Cuevas Arteaga</u> , Autonomous University of the State of Morelos/MEX; J. Porcayo Calderon, Electrical Research Institute, Cuernavaca, Morelos/MEX |
| J 44 | Corrosion evaluation of Ni20Cr coatings exposed to ZnCl₂-KCl molten salts O. Sotelo Mazon, Autonomous University of the State of Morelos/MEX; J. Porcayo Calderon, Electrical Research Institute, Cuernavaca, Morelos/MEX; <u>C. Cuevas Arteaga</u> , Autonomous University of the State of Morelos/MEX |
| J 45 | High throughput corrosion testing methods <u>M. Madani</u> , J. De Strycker, OCAS NV/Arcelor Mittal, Zelzate/B |
| J 46 | Case study for dissimilar metal welding in metal cladding N. Hamdy, Petrojet, Cairo/ET |

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| J 47 | Kinetic theory of depassivation D. Macdonald, Pennsylvania State University, University Park, PA/USA |
| J 48 | Combining nanoplasmonic with electrochemical and QCM-D sensing for corrosion studies <u>M. Schwind</u> , C. Langhammer, B. Kasemo, I. Zoric, Chalmers University of Technology, Göteborg/S |
| Corrosion of Polymer Materials (WP 19) | |
| K 1 | Corrosion behavior of carbon composite bipolar plate for alkaline fuel cell <u>A. Aytac</u> , Gazi University, Ankara/TR; E. Sanli, NEVSAN, Ankara/TR; F. Ay, Nigde University/TR |
| Corrosion of Steel in Concrete (WP 11) | |
| L 1 | Electrochemical behaviour of galvanized steel for prestressed concrete structures in cement paste and concrete I. Popenar, ICECON GROUP, Bucharest/RO |
| L 2 | Corrosion behavior of concrete with galvanized reinforce In WWPT environments <u>P. Brito</u> , P. Romano, Instituto Politécnico de Portalegre/P; J. Inácio, University of Porto/P |
| L 3 | Corrosion behaviour of AISI 204Cu and AISI 304 stainless steels in simulated pore solution <u>A. Kocijan</u> , C. Donik, M. Jenko, Institute of Metals and Technology, Ljubljana/SLO |
| L 4 | Corrosion study of steel rebars embedded in a 75-years-old concrete structure exposed to a sulphur-containing environment S. Farina, National Scientific and Technical Research Council (CONICET), Buenos Aires/RA; M. Reynoso, National Atomic Energy Commission (CNEA), Buenos Aires/RA; C. Ramos, National Scientific and Technical Research Council (CONICET), Buenos Aires/RA; <u>G. Duffo</u> , National Atomic Energy Commission (CNEA), Buenos Aires/RA |
| L 5 | Monitoring of reinforced bars corrosion: comparison among different techniques including sensors specifically designed <u>G. Duffó</u> , E.A. Arva, National Atomic Energy Commission (CNEA), Buenos Aires/RA; S. Farina, National Scientific and Technical Research Council (CONICET), Buenos Aires/RA; A. Cesen, N. Gartner, A. Legat, Slovenian National Building and Civil Engineering Institute, Ljubljana/SLO |
| L 6 | Corrosion behaviour of new duplex stainless steel reinforcements embedded in chloride contaminated concrete <u>E. Medina</u> , A. Cobo, Polytechnical University of Madrid/E; D.M. Bastidas, National Center for Metallurgical Research (CENIM), Madrid/E |
| L 7 | Obtaining regression models of relation between tensile strength and corrosion degree of B500SD steel reinforcement <u>E. Moreno</u> , A. Cobo, M.F. Canovas, J.G Palomo, Polytechnical University of Madrid/E |
| L 8 | Development of corrosion of steel bars embedded in mortar made with slag from secondary metallurgy <u>M. Prieto Barrio</u> , A. Cobo Escamilla, Polytechnic University of Madrid/E; A. Rodríguez Sáiz, J.M. Manso Villalaín, University of Burgos/E |
| L 9 | Energy density comparison obtained in tensile strength tests of cold-rolled reinforcements subject to different corrosion degrees <u>S. Gonzalez Rodrigo</u> , A. Cobo Escamilla, Polytechnic University of Madrid/E |

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| L 10 | Study of steel rebar corrosion in the building for preparation of H₂SO₄ solutions at Trepça Battery Plant in Mitrovica <u>A. Sadiku</u> , Z. Gace, University of Tirana/AL |
| L 11 | The nitrite - amines corrosion inhibitors of reinforced steel in concrete <u>E.V. Starovoytova</u> , N.N. Andreev, I.A. Gedvillo, A.S. Zhmakina, A.A. Chirkunov, Russian Academy of Sciences, Moscow/RUS |
| L 12 | Obtaining carbonation depth of concrete used two different procedures standard EHE-08 <u>A. Cobo Escamilla</u> , M.N. González Garcia, A. Picazo Iranzo, Polytechnic University of Madrid/E |
| Environment Sensitive Fracture (WP 5) | |
| M 1 | Cracking of surface condenser tubes <u>A. Almeshari</u> , S. Al-Enazi, SABIC Technology Centre, Jubail Industrial City/SAR; A. Al-Wagdani, Saudi Yanbu Petrochemical Company, Yanbu Industrial City/SAR |
| M 2 | Operational reliability of structures under action of corrosion media E.N. Kablov, <u>A.V. Grinevich</u> , S.A. Karimova, All-Russian Institute of Aviation Materials, Moscow/RUS |
| M 3 | Corrosion properties of high-alloyed materials in artificial geothermal fluids <u>J. Sobetzki</u> , R. Bäßler, BAM - Federal Institute for Materials Research and Testing, Berlin/D; H. Sarmiento Klapper, Baker Hughes, Celle/D |
| M 4 | Stress corrosion cracking resistance in hot forming tools <u>A. Gironès</u> , S. Molas, M.D. Riera, D. Casellas, CTM Centre Tecnològic, Manresa/E |
| Joint Session on Atmospheric Corrosion and Heritage Artefacts (WP 21) | |
| N 1 | Applicability of ACM type corrosion sensor for environment of corrosion in gas piping evaluation <u>Y. Ito</u> , T. Yamashita, Kobe Steel, Ltd/J; S. Kainuma, Kyushu University/J |
| N 2 | Protection of electrochemical and chemical patina in aggressive environments containing chlorides <u>K. Marusic</u> , University of Zagreb/HR; T. Kosec, Slovenian National Building and Civil Engineering Institute, Ljubljana/SLO; H. Otmacic Curkovic, University of Zagreb/HR |
| N 3 | Corrosion stability of a resistant environmentally friendly alloy M.V. Popa, E. Vasilescu, P. Drob, M. Popa, <u>C. Vasilescu</u> , S.I. Drob, Romanian Academy, Bucharest/RO |
| N 4 | Chloride-NO₂ interaction: an aspect to consider in the new atmospheric corrosion multipollutant situation J. Reyes, <u>F. Corvo</u> , H. Gongora, Autonomous University of Campeche/MEX |
| N 5 | Corrosion protection of aluminum alloys in contact with carbon plastic <u>D. Chesnokov</u> , S. Karimova, T. Pavlovskaya, All-Russian Institute of Aviation Materials, Moscow/RUS |
| N 6 | Role of anion interaction on copper atmospheric corrosion V. Moo-Yam, <u>F. Corvo</u> , H. Gongora, J. Reyes, Autonomous University of Campeche/MEX |
| N 7 | The rain dissolution of prehispanic stones at San Francisco de Campeche tropical climate J. Reyes, <u>F. Corvo</u> , F. Torres, T. Perez, Autonomous University of Campeche/MEX; A. Alarcon, H. Bravo, National Autonomous University of Mexico, Mexico D.F./MEX |

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| N 8 | The effect of road environment on the infrastructure constructions <u>K. Kreislova</u> , H. Geiplova, SVUOM Ltd., Prague/CZ; T. Lanik, Tu Ostrava/CZ; K. Hovorkova, Stavebni vyzkum Ltd., Zlin/CZ |
| N 9 | Corrosion protection of historic machineries exhibited in unconditioned indoor environments <u>K. Kreislova</u> , D. Knotkova, SVUOM Ltd., Prague/CZ; A. Svec, Mining Museum Pribram/CZ; A. Zaspal, Coal Mine Michal, Ostrava/CZ |
| N 10 | Following the corrosion process of gray castings of the XIXth century in two fountains at Guanajuato, México M. Jimenez, San Luis Potosí Autonomous University/MEX |
| N 11 | An atmospheric corrosion map for Mexico <u>F. Sánchez Pérez</u> , A. Ortiz Prado, National Autonomous University of Mexico, Mexico D.F./MEX |
| Local Probing of Corrosion Phenomena | |
| O 1 | The novel solid contact pH microelectrode for corrosion applications <u>M. Taryba</u> , S.V. Lamaka, M.F. Montemor, M.G.S. Ferreira, IST Lisbon/P; M.G.S. Ferreira, University of Aveiro/P |
| Marine Corrosion (WP 9) | |
| P 1 | Corrosion of a new alloy in synthetic sea water M.V. Popa, E. Vasilescu, <u>P. Drob</u> , M. Popa, C. Vasilescu, S.I. Drob, Romanian Academy, Bucharest/RO |
| P 2 | Investigation of corrosion products on AlMgSi-C35 friction welds formed under marine climate <u>M. Schneider</u> , Fraunhofer IKTS, Dresden/D; U. Langklotz, TU Dresden/D; B. Arnold, Hamburg University of Applied Sciences/D |
| P 3 | Effect of heat treatment on the corrosion behavior of titanium-aluminum alloys in different acidic solutions <u>W.A. Ghanem</u> , Central Metallurgical Research & Development Institute, Cairo/ET; R.M. Abou Shahba, A.S. El-Shenawy, Al-Azhar University, Cairo/ET; S.M. Tantawy, EOS - Egyptian Organization for Standardization and Quality Control, Cairo/ET |
| Microbial Corrosion (WP 10) | |
| Q 1 | Corrosion of an air filter housing made of 5083 aluminum alloy <u>J. Starosvetsky</u> , D. Starosvetsky, R. Armon, Technion - Israel Institute of Technology, Haifa/IL; M. Razker, S. Levitsky, E. Tuval, Ministry of Defence, Tel-Aviv/IL |
| Q 2 | Effect of oil and seawater content in the biocorrosion process of API 5LX60 steel M.R.S. Vieira, D.R. de Lima Jr., C.H. Gonzalez, Federal University of Pernambuco, Recife/BR; F.P. de França, Federal University of Rio de Janeiro/BR; <u>S.L. Urtiga Filho</u> , Federal University of Pernambuco, Recife/BR |
| Q 3 | Biocorrosion in soils: a study of carbon steel coupons API 5LX60 <u>M. Gomes de Andrade Lima</u> , G. Arruda Queiroz, T. Malta, J. Andrade, O. Martins Marques, G. Vinhas, Federal University of Pernambuco, Recife/BR |
| Q 4 | Biocorrosion of stainless steel 254 SMO by Amazonians microorganisms <u>J. Ntiennoue Kanguem</u> , F. Robert, C. Roos, University of the French Antilles and Guyana, Cayenne/FGY |

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| Q 5 | Study the process of biocorrosion in pipeline during transport of diesel-biodiesel mixture(B5) I. Ramos de Melo, Federal University of Rio de Janeiro/BR; D.R. Lima Jr, S.L. Urtiga Filho, Federal University of Pernambuco, Recife/BR; F.J.S. Oliveira, Petróleo Brasileiro S.A., Rio de Janeiro/BR; <u>F.P. De França</u> , Federal University of Rio de Janeiro/BR |
| Q 6 | Microbiological influenced corrosion of light alloys <u>O. Levak</u> , Y. Shotland, E. Baram, A. Eliezer, Sami Shamoon College of Engineering, Beer Sheva/IL |
| Nuclear Corrosion (WP 4) | |
| R 1 | Development of the reference electrode for high temperature water in boiling water reactor environment <u>Y. Hashimoto</u> , J. Tani, Central Research Institute of Electric Power Industry, Yokosuka/J |
| R 2 | Corrosion of steel drums containing immobilized intermediate level nuclear waste S. Farina, National Atomic Energy Commission (CNEA), Buenos Aires/RA; F. Schulz, National Scientific and Technical Research Council (CONICET), Buenos Aires/RA; F. Marotta, Polytechnic University of Milan/I; <u>G. Duffo</u> , National Atomic Energy Commission (CNEA), Buenos Aires/RA |
| R 3 | Flow accelerated corrosion of galvanized steel in boric acid solution <u>W. Hoffmann</u> , H. Kryk, Helmholtz-Zentrum Dresden-Rossendorf e.V./D |
| R 4 | Microstructural and local electrochemical characterisation of gr. 91 steel welded joints <u>A. Lanzutti</u> , M. Lekka, F. Andreatta, E. Marin, University of Udine/I; A. Bertolozzi, Friulco S.p.A., Povoletto/I; L. Fedrizzi, University of Udine/I |
| R 5 | Comparative study of the efficiency, corrosion and surface chemical effects of the decontamination technologies A. Szabo Nagy, Istvan Szechenyi University, Gyor/H; B. Baja, E. Deák Horváth, K. Varga, Z. Németh, University of Pannonia, Veszprém/H; J. Schunk, G. Patek, Paks NPP/H; <u>K. Berkesi</u> , University of Pannonia, Veszprém/H |
| R 6 | Simultaneous oxidation and dissolution of iron in flowing lead-bismuth eutectic at 450°C <u>C. Schroer</u> , A. Skrypnik, O. Wedemeyer, J. Konys, Karlsruher Institut für Technologie (KIT)/D |
| R 7 | In-situ Pt deposition on stainless steel under simulated boiling water reactor conditions - effect of injection rate and flow velocity on the corrosion potential and Pt distribution V. Karastoyanov, <u>S. Ritter</u> , A. Ramar, S. Abolhassani-Dadras, I. Günther-Leopold, N. Kivel, PSI - Paul Scherrer Institute, Villigen PSI/CH |
| R 8 | Nuclear power plant piping and component corrosion monitoring using in-situ specimens <u>E. Yurmanov</u> , V. Belous, V. Yurmanov, N.A. Dollezhal Research and Development Institute of Power Engineering, Moscow/RUS |
| R 9 | En exploratory: sensitisation and intergranular stress corrosion cracking in type 321 stainless steel manifold welds <u>K. Shutko</u> , V. Belous, V. Abramov, A. Derjavin, N.A. Dollezhal Research and Development Institute of Power Engineering, Moscow/RUS |
| R 10 | Conditions for crevice corrosion of AISI 316L in high purity water <u>C. Taxén</u> , Swerea KIMAB AB, Stockholm/S; B. Wegemar, Westinghouse Electric Sweden AB, Västerås/S |

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| R 11 | Hydrogen effect on the crack growth rate of AISI 316L CW SS <u>M.S. Garcia Redondo</u> , M. Navas, J. Lapena, D. Gomez Briceno, Research Centre for Energy, Environment and Technology (CIEMAT), Madrid/E; T. Karlsen, Halden Reactor Project, Halden/N |
| R 12 | A corrosion domain analysis of copper corrosion in aqueous media <u>D. Macdonald</u> , S. Sharifi, Pennsylvania State University, University Park, PA/USA; J. Linder, SSM, Stockholm/S |
| R 13 | MIC of carbon steel driven by anaerobic electroactive sulfate-reducing bacteria biofilm <u>J. Duan</u> , L. Yu, Y. Huang, B. Hou, Chinese Academy of Sciences, Qingdao/PRC |
| Simulation, Modelling and Corrosion Prediction | |
| S 1 | Nitrogen-doped nanocrystalline diamond electrodes: surface properties and corrosion M.D. Krotova, <u>Yu.V. Pleskov</u> , Frumkin Institute of Physical Chemistry and Electrochemistry, Moscow/RUS; V.G. Ralchenko, A.V. Saveliev, Prokhorov General Physics Institute, Moscow/RUS |
| S 2 | Effect of polishing with different grade of sand paper on electrochemical properties and corrosion of the aluminium alloy <u>A. Aylin</u> , Gazi University, Ankara/TR; S. Bilgic, Ankara University/TR; M. Talu, Gazi University, Ankara/TR |
| S 3 | Intelligent design and assurance of steel structure corrosion protection quality <u>V. Korolov</u> , Priazovsky State Technical University, Mariupol/UA; Y. Vysotsky, V. Shimanovsky Ukrainian Institute of Steel Structures Ltd, Makeevka/UA; S. Grebenyuk, Donetsksteel - Iron and Metallurgical Work CJSC, Donetsk/UA; I. Kuschenko, Priazovsky State Technical University, Mariupol/UA |
| Workshop on the Corrosion of Biomaterials | |
| T 1 | Formation of porous layers on titanium by spark anodising in H₂SO₄-H₃PO₄ electrolytes <u>J. Castano</u> , O. Galvis, D. Quintero, M. Echeverry, A. Vivares, S. Robledo, J. Pavon, F. Echeverria, University of Antioquia, Medellin/CO |
| T 2 | In-vitro corrosion and biocompatibility study of coated MgCa1.0 magnesium alloys <u>P. Rosemann</u> , University of Magdeburg/D; S. Bender, Institut für Lacke und Farben e.V., Magdeburg/D; A. Heyn, University of Magdeburg/D; A. Heyn, BAM - Federal Institute for Materials Research and Testing, Berlin/D; J. Schmidt, Innovent e.V., Jena/D |
| T 3 | Corrosion properties of Zr₅₅Cu₃₀Ni₅Al₁₀ bulk metallic glass and conventional metallic alloys with respect to use as a medical implant material <u>D. Persson</u> , M. Nezafati, C. Martin, Swerea KIMAB, Stockholm/S; R.E. Aune, Norwegian University of Science and Technology, Trondheim/N; S.J. Savage, KTH - Royal Institute of Technology, Stockholm/S |
| T 4 | Corrosion behaviour of NiTi: influence of wear T. Silva, M.J. Carmezim, <u>J.C.S. Fernandes</u> , TU Lisbon/P |
| Tribocorrosion (WP 18) | |
| U 1 | The effect of microstructure on tribocorrosion properties of dental alloys <u>T. Kosec</u> , A. Legat, Slovenian National Building and Civil Engineering Institute, Ljubljana/SLO |
| U 2 | Wear- corrosion of calcium phosphate/nano-TiO₂ composite coatings electrodeposited on Ti-6Al-4V alloy in Hanks` solution L. Cheng-Kuo, Ching Yun University, Jungli/RC |

Programme subject to change.