

The posters will be displayed continuously throughout the conference. So the posters should be put up on Monday, 8 September 2008 at 09:00 a.m. at the latest and taken down at the end of the conference.

The poster authors are requested to be present at their poster(s) for discussions during the Poster Party on Monday, 8 September 2008 (17:05 – 19:30) and also during all coffee breaks.

Cromdale Hall

Corrosion in the Petroleum Industries

- A 1** **Now oral presentation in Refinery Process Corrosion: Wednesday, 10 September at 11:20**
- A 2** **Fatigue failure of drilling collar**
K. Abouswa, F. Elshawesh, H. Mahfouz, Libyan Petroleum Institute, Tripoli/LAR
- A 3** **Role of surface finish on fatigue failure of 316L stainless steel coil tube**
A. Abdurrahim, F. Elshawesh, H. Mahfud, Libyan Petroleum Institute, Tripoli/LAR
- A 4** **Cancelled**
- A 5** **Effect of microstructure on the H₂S corrosion inhibition of a high strength microalloyed steel by modified imidazolines**
M. Lucio-García, Centro de Investigación en Materiales Avanzados, S.C., Cuernavaca/MEX; J.G. González-Rodríguez, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX, A. Martínez-Villafañe, A. Chacón-Nava, Centro de Investigación en Materiales Avanzados, S.C., Chihuahua/MEX
- A 6** **Corrosion behaviour and effects of microstructure of carbon steel welds within different aggressive environments**
A. Abdurrahim, Libyan Petroleum Institute, Tripoli/LAR
- A 7** **Elemental sulphur in natural gas transport systems**
D.S. de Freitas, M.G. Nunez, National Institute of Technology, Rio de Janeiro/BR; C. Moraes, Federal University of Rio de Janeiro/BR; J. de Mello Silva, Petrobras, Rio de Janeiro/BR
- A 8** **Corrosion study of carbon steel in simulated solution saturated with carbon dioxide**
Y. Louafi, Ecole Normale Supérieure, Alger/DZ; M. Ladjouzi, Université des Sciences et Technologies Houari Boumediène, Alger/DZ
- A 9** **Cancelled**
- A 10** **Water treatment chemicals synergistic effect on the corrosion rate of L-80 steel in seawater, formation water and combination of both**
A. Hasan, H. Al-Enazi, A. Al-Muhanna, Kuwait Oil Company, Ahmadi/KWT; J. Carew, Petroleum Research Center, Ahmadi/KWT

Marine Corrosion, Cathodic Protection and Microbial Corrosion

- B 1** **Now oral presentation in Microbial Corrosion, Wednesday, 10 September at 16:40**
- B 2** **Cancelled**
- B 3** **Biocorrosion of coatings by freshwater spores**
C. Messal, MICOR GmbH, Groß Lüsewitz/D
- B 4** **Root cause failure analysis of 18" API 5L X-52 trunkline**
A. Abdurrahim, F. Elshawesh, F. Jueli, K. Abusowa, Libyan Petroleum Institute, Tripoli/LAR
- B 5** **Microbiologic al corrosion of steel with Cd - coating in water - salt media containing SRB**
S. Beloglazov, M. Myamina, A. Gribankova, Immanuel Kant State University of Russia, Kaliningrad/RUS
- B 6** **Cancelled**
- B 7** **Cancelled**
- B 8** **Cancelled**
- B 9** **Cancelled**
- B 10** **Electrochemical corrosion behavior of hot-dip aluminized steel in saline water**
M. Shoeib, W.A. Ghanem, F.A. Bayoumi, Central Metallurgical R & D Institute, Cairo/ET; Y.F. Barakat, Eltebbin Institute, Cairo/ET

Marine Corrosion, Cathodic Protection and Microbial Corrosion

- B 11** **Enhancing corrosion resistance of stainless steel 304 using laser surface treatment**
M. Shoeib, I. Ghayad, T. Mattar, H. Hussain, Central Metallurgical R & D Institute, Cairo/ET
- B 12** **Electrochemical properties of dental alloys in various solutions simulating saliva**
P. De March, P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- B 13** **Study of the possible galvanic corrosion of several prosthetic alloys coupled with their usual post-solder in an artificial saliva**
P. De March, P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- B 14** **Cancelled**
- B 15** **Cancelled**
- B 16** **Surface preparation and adhesion in the prevention of cathodic delamination**
Z. Makama, J.R. Smith, I.B. Beech, University of Portsmouth/UK; M. Webb, I. Doble, D. Nicholson, PDM Neptec, Alton/UK; S.A. Campbell, University of Portsmouth/UK
- B 17** **Practical treatments of some characteristics of copper nickel protective films formed in artificial and natural sea water**
M. Langer, S. Friedrich, Institut für Korrosionsschutz Dresden GmbH/D
- B 18** **Effects of sulfate content on the corrosion resistance of stainless steels in the fresh water environment**
Y. Kim, POSCO Technical Research Lab., Pohang/ROK
- B 19** **The effect of electrical current flow, as a simulation of cathodic prevention, on early hydration rate and microstructure of cement-based materials**
D. Koleva, K. van Breugel, J.H.W. de Wit, Delft University of Technology/NL

Infrastructure Maintenance and Asset Management

- C 1** **Corrosion of the building's steel in the water-alcohol environment**
A. Gawdzik, S. Gajda, Opole University/PL; Sh. Kurmashev, Odessa National University/UA; M. Rybotycki, A. Sofronkov, Opole University/PL
- C 2** **Atmospheric corrosion of structural metals - active corrosion management using artificial neural network**
M. Halama, Technical University of Kosice/SK; J. Lesebettens, Universiteit Gent/B; K. Kreislova, SVUOM Ltd., Prague/CZ; P. Linhardt, Vienna University of Technology/A
- C 3** **Investigation of some parameters on stress corrosion cracking of steel in prestressed concrete structures**
E. Blactot, Laboratoire Central des Ponts et Chaussées, Paris/F; L. Gaillet, Laboratoire Central des Ponts et Chaussées, Nantes/F; I. Mabile, École Nationale Supérieure de Chimie de Paris/F; T. Chaussadent, Laboratoire Central des Ponts et Chaussées, Paris/F; E. Sutter, École Nationale Supérieure de Chimie de Paris/F
- C 4** **Performance of automated system for real time monitoring of atmospheric corrosion**
M. Kouril, Institute of Chemical Technology in Prague/CZ; T. Prosek, French Corrosion Institute, Brest/F; Y. Degres, NKE Electronics, Hennebont/F; D. Thierry, French Corrosion Institute, Brest/F; K. Doubravova, Institute of Chemical Technology in Prague/CZ
- C 5** **Influence of cavitation on the galvanic corrosion of duplex stainless steels in LiBr solutions**
D.M. García-García, J. García-Antón, A. Igual-Muñoz, Universidad Politécnica de Valencia/E
- C 6** **Wood degradation caused by ammonium phosphate and sulfate-based fire retardant**
I. Kucerova, M. Ohlidalova, M. Novotna, A. Michalcova, Institute of Chemical Technology Prague/CZ
- C 7** **Corrosion behaviour of different types of steel reinforcement in concrete**
M. Serdar, University of Zagreb/HR; I. Stipanovic Oslakovic, Civil Engineering Institute, Zagreb/HR; D. Bjegovic, University of Zagreb and Civil Engineering Institute, Zagreb/HR
- C 8** **Systematic inspection and maintenance with regard to reinforcement corrosion in marine concrete structures**
H.E. Berge, Det Norske Veritas, Bergen/N
- C 9** **Oral presentation in the 49th Corrosion Science Symposium on Tuesday, 9 September at 14:25**

Infrastructure Maintenance and Asset Management

- C 10 Atmospheric corrosion investigations on building materials in Tanzania**
S. Potgieter-Vermaak, University of the Witwatersrand, Johannesburg/ZA; A. Mmari, Tshwane University of Technology, Pretoria/ZA; R. Van Grieken, University of Antwerp/B; J. Potgieter, Manchester Metropolitan University/UK
- C 11 Influence of surface quality of rebars on measured values of instantaneous corrosion rate of low-alloyed steel**
E. Kalabisova, B. Eremias, T. Kubatik, P. Novak, SVUOM Ltd., Prague/CZ
- C 12 Now oral presentation in Infrastructure Maintenance and Asset Management: Tribocorrosion: Erosion-Corrosion and Biotribology on Wednesday, 10 September at 17:05**
- C 13 LMP Corrosion initiation and arrest in chloride contaminated concrete**
S. Holmes, Loughborough University/UK

High Temperature Corrosion Processes

- D 1 Oxidation behaviour of model cobalt-rhenium alloys in air and at low oxygen partial pressure**
B. Gorr, S. Burk, University of Siegen/D; V.B. Trindade, Vallourec & Mannesmann Tubes, Düsseldorf/D; U. Krupp, University of Applied Sciences, Osnabrück/D; H.-J. Christ, University of Siegen/D
- D 2 Cancelled**
- D 3 Cancelled**
- D 4 The classification of influence that each factor gives to corrosion behavior of STBA24 in the reducing atmosphere including H₂S**
S. Najima, M. Nunokawa, M. Morinaga, H. Shirai, Central Research Institute of Electric Power Industry, Yokosuka/J
- D 5 Corrosion behaviour of selected sprayed coatings in model environment simulating situation in communal waste incineration boilers**
J. Cizner, SVUM Praha a.s./CZ; J. Pitter, ATG s.r.o., Praha/CZ
- D 6 Several possible consequences of high temperature oxidation for the sub-surface microstructure of carbides-containing alloys**
P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- D 7 Correlation between the external oxide scale adherence and the bulk's thermal expansion behaviour for several carbides-strengthened refractory alloys**
P. Berthod, Nancy-University, Vandoeuvre-les-Nancy/F
- D 8 Now oral presentation in High Temperature Corrosion Processes on Monday, 8 September at 16:15**
- D 9 Cancelled**
- D 10 Effect of the O₂ in the high temperature corrosion of metallic materials in waste incineration atmosphere**
M. Sánchez-Pastén, Instituto Politécnico Nacional, Mexico City/MEX; H.J. Grabke, MPI für Eisenforschung GmbH, Düsseldorf/D
- D 11 Kinetics and oxidation properties of high-density ferritic stainless steels manufactured by powder metallurgy**
C. Moral, A. Bautista, Universidad Carlos III de Madrid/E
- D 12 Hot corrosion of new type coatings, magnetron sputter ion-plated CrAlYN, Hauser coating of TiAlYN/CrN+Al₂O₃ deposited by HIPIMS and TiAlN with Al₂O₃ overlayer from Hauser deposited by Dual Magnetron Sputtering at 750°C 50hrs test**
T.D. Dudziak, A.W. Wilson, P.D. Datta, Northumbria University, Newcastle/UK
- D 13 Thermal behaviour of chlorine during MSW combustion process - an approach to estimate chlorine influence on high temperature corrosion**
W. Ma, S. Rotter, Berlin Institute of Technology/D

Nuclear Industries and Waste Disposal

- E 1 Corrosion status of Paks NPP secondary circuit**
G Patek, [J. Schunk](#), T. Pintér, P. Tilky, Paks Nuclear Power Plant Ltd./H; J. Ősz, University of Budapest/H
- E 2 Stress corrosion cracking of AISI 304 stainless steel**
[O. Necib](#), S.B. Lyon, A. Sherry, University of Manchester/UK

Corrosion Mechanisms and Methods including Local Characterisation of Corrosion Processes

- F 1 Identification of bond pad cratering on semiconductor devices utilizing gold and aluminium corrosion and optical microscopy**
[J. Kiefer](#), B. Schindler, A. Leipertz, University of Erlangen-Nuremberg/D
- F 2 The effect of the exchange current density on the stress corrosion cracking of some systems**
[S.B. Farina](#), G.S. Duffó, Comisión Nacional de Energía Atómica, Buenos Aires/RA; J.R. Galvele, Universidad Nacional de San Martín, Buenos Aires/RA
- F 3 Study of corrosion behavior of Al(CuFeCo) nanoparticles in solution using EIS and LPR**
[A. Torres-Islas](#), G. Rosas, Universidad Michoacana de San Nicolás de Hidalgo, Morelia/MEX; J.G. Gonzalez-Rodriguez, S. Serna, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX
- F 4 Cancelled**
- F 5 Influence of malachite morphology on copper release in drinking water systems**
[I. Vargas](#), M. Alsina, P. Pasten, G. Pizarro, Pontificia Universidad Católica de Chile, Santiago/RCH
- F 6 Cancelled**
- F 7 Cancelled**
- F 8 Failure analysis of external 3 layer extruded polyethylene based (3 LPE) coatings for gas/oil transmission pipelines buried in soil**
U. Majeed, University of Punjab, Lahore/PK; [A. Hussain](#), Comtech GmbH, Munich/D; M.A. Butt, I.H. Khan, University of Punjab, Lahore/PK
- F 9 Influence of alloying additions on pitting and crevice corrosion of stainless steels in NaCl and NaBr solutions**
[R. Pettersson](#), J. Flyg, Swerea KIMAB, Stockholm/S
- F 10 Cancelled**
- F 11 Electrochemical micromachining of high alloyed steels in nonaqueous electrolytes using short voltage pulses**
[R. Richter](#), DECHEMA e.V., Frankfurt am Main/D; E. Moustafa, R. Schuster, University of Karlsruhe/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
- F 12 Passive state stability of the stainless materials in FGD plants**
[V. Cihal](#), S. Lasek, Z. Krhutova, M. Blahetova, J. Mika, Technical University of Ostrava/CZ; E. Kalabisova, SVUM Ltd., Praha/CZ
- F 13 Detection of localized corrosion of AISI 316L steel by means of electrochemical noise**
[M. Kouril](#), L. Joska, J. Hak, Institute of Chemical Technology, Prague/CZ
- F 14 Pitting corrosion of a highly-alloyed austenitic stainless steel in aqueous LiBr solutions at different temperatures**
E. Blasco-Tamarit, A. Igual-Muñoz, [J. García-Antón](#), D.M. García-García, Universidad Politécnica de Valencia/E
- F 15 Comparative study of electrochemical methods and image analysis for the characterization of alloy 146, 279, 900, and 926 sensitization to intergranular corrosion**
R. Leiva, M.J. Muñoz-Portero, [J. García-Antón](#), Universidad Politécnica de Valencia/E
- F 16 Influence of temperature and applied potential on the electrochemical behaviour of nickel in LiBr solutions by means of electrochemical impedance spectroscopy**
V. Guiñón-Pina, A. Igual-Muñoz, [J. García-Antón](#), Universidad Politécnica de Valencia/E
- F 17 Effect of bromide ion activity on the pourbaix diagrams for chromium in concentrated aqueous lithium bromide solutions**
M.J. Muñoz-Portero, [J. García-Antón](#), J.L. Guiñón, V. Pérez-Herranz, Universidad Politécnica de Valencia/E

Corrosion Mechanisms and Methods including Local Characterisation of Corrosion Processes

- F 18 Corrosion of low chromium steels in geothermal water**
A. Lukaszczyk, B. Mazurkiewicz, W. Solarski, J. Banas, University of Science and Technology, Cracow/PL
- F 19 Corrosion behavior of Al and Al alloys in dilute chloride ion containing solutions**
M. Sakairi, A. Kaneko, Hokkaido University, Sapporo/J; Y. Seki, D. Nagasawa, Nippon Light Metal Co. Ltd., Shizuoka/J
- F 20 Now oral presentation in Corrosion Mechanisms & Methods on Monday, 8 September at 11:00**
- F 21 Sensitization of PM duplex stainless steels**
F. Martín, C. García, Y. Blanco, University of Valladolid/E
- F 22 Quantifying pitting corrosion in an automotive exhaust application**
B. Kämmerer, S. Horn, F. Haider, University of Augsburg/D; G. Mori, J. Haberl, University of Leoben/A; H. Wieser, EMCON Technologies, Augsburg/D
- F 23 Cancelled**
- F 24 Influence of nitrogen ion implantation on the corrosion electrochemical behavior of Ti-5Al-1.5V-1.0Mo titanium alloy**
O. Kalakhan, G. Okhota, National Academy of Sciences of Ukraine, Lviv/UA; H. Pokhmurska, B. Wielage, University of Technology, Chemnitz/D
- F 25 Corrosion in electronics**
M. Jellesen, D. Minzari, P. Møller, R. Ambat, Technical University of Denmark, Lyngby/DK
- F 26 Application of electrochemical techniques on magnesium alloys: possibilities and limitations**
M. Nascimento, C. Fleck, Technical University of Berlin/D; D. Mueller, Charité Universitätsmedizin, Berlin/D
- F 27 Experimental evidence of the evolution of the oxide barrier layer during corrosion of low alloyed steels**
F.A. Martin, CEA Saclay, Gif sur Yvette/F; H. Antony, CORRODYS, Equeurdreville/F; C. Bataillon, CEA Saclay, Gif sur Yvette/F
- F 28 The effect of tempering temperature on the corrosion of austenitic stainless steels in oxalic acid**
H. Potgieter, Manchester Metropolitan University/UK; S. Afolabi, N. Ramsoochit, University of the Witwatersrand, Johannesburg/ZA
- F 29 Influence of humic and fulvic acid on copper pipe corrosion**
A. Reyes, M.V. Letelier, G. Lagos, Pontificia Universidad Católica de Chile, Santiago de Chile/RCH
- F 30 Study of corrosion inhibition of magnesium alloys using four complementary scanning microelectrode techniques**
O.V. Karavaj, A.C. Bastos, M.L. Zheludkevich, University of Aveiro/P; S.V. Lamaka, M.G.S. Ferreira, Technical University of Lisbon/P
- F 31 In situ oxidation of zirconium binary alloys**
C. Proff, S. Abolhassani, Paul Scherrer Institute, Villigen-PSI/CH; M.M. Dadras, University of Neuchâtel/CH
- F 32 Cancelled**
- F 33 Oral presentation in Advances in Corrosion Protection by Organic Coatings on Thursday, 11 September at 9:55**
- F 34 Influence of bromine contents on the corrosion behavior of mild steel in flue gas desulfurization plants**
P. Gümpel, Hochschule Konstanz/D; S. Hochstrasser-Kurz, WITg, Tägerwilen/CH

Coatings

- G 1 Anticorrosive properties of electrosynthesized poly(m-aminophenol) on copper from aqueous phenylphosphonic acid solution**
G. Bereket, B. Duran, Eskisehir Osmangazi University/TR
- G 2 Now oral presentation in Coatings on Tuesday, 9 September at 14:25**
- G 3 Chromate-free pigments for protection of aluminium alloy D16**
S.V. Oleynik, Y.A. Kuzenkov, N.P. Andreeva, Y.I. Kuznetsov, Russian Academy of Sciences, Moscow/RUS; I.M. Zin, National Academy of Sciences of Ukraine, Lviv/UA; S.B. Lyon, Manchester University/UK

Coatings

- G 4** **Now oral presentation in Coatings on Monday, 8 September at 11:25**
- G 5** **Corrosion protection of aluminium alloys by surface mechanical attrition treatment**
C. Henon, Alcan CRV, Voreppe/F; D. Reiraint, C. Martin, Université de Technologie de Troyes/F
- G 6** **Influence of thermal sprayed aluminium coatings on the corrosion behaviour of magnesium alloys**
M. Carboneras, M.D. López, M. Campo, B. Torres, P. Rodrigo, E. Otero, J. Rams, Universidad Rey Juan Carlos, Móstoles/E
- G 7** **A type of phosphate wash primer which can converse rust to a considerable extent**
K.Z. Chen, Guangzhou Research Institute of Electric Apparatus, Lujiang/PRC
- G 8 LMP** **Corrosion-wear studies on PVD coatings for aeronautical applications**
R. Bayón, A. Igartua, G. Mendoza, X. Fernández, I. Ciarsolo, U. Ruiz de Gopegui, Fundación TEKNIKER, Eibar/E
- G 9 LMP** **Electroplating of an improved hard nickel coating with silicon carbide and cubic boron nitride nanoparticles from nickel sul-famate / ammonium chloride based bath**
N. Gordon, S. Tamir, Technion, Haifa/IL

Corrosion Inhibition, Nano-coatings and Smart Coatings

- H 1** **Behavior of inhibitor protective film in a X-80 steel in NACE solution**
A. Torres-Islas, J. Uruchurtu, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX; B. Campillo, J. Juarez-Islas, Universidad Nacional Autonoma de México, Morelos/MEX; S. Serna, J.G. Gonzalez-Rodriguez, Universidad Autonoma del Estado de Morelos, Cuernavaca/MEX
- H 2** **Validation of the method for determination of residual corrosion inhibitor content in oilfield brines and quantification of measurement uncertainty**
D. Dolezal, INA-Oil Industry, Zagreb/HR
- H 3** **Xylenol orange as corrosion inhibitors for aluminum in trichloroacetic acid (TCA)**
P. Desai, Arts, Science & Commerce College Kholwad, Surat/IND; R.R. Vashi, Navyug Science College, Surat/IND
- H 4** **Cancelled**
- H 5** **Characterization of corrosion resistance properties of radiofrequency cold plasma nitrated carbon steel C38: effect of hydrogen addition**
F. Bouanis, C. Jama, M. Traisnel, École Nationale Supérieure de Chimie de Lille, Villeneuve d'Ascq/F; F. Bentiss, Université Chouaib Doukkali, Eljadida/MA
- H 6** **Cancelled**
- H 7** **Thiourea influence on copper pitting corrosion in alkaline-chloride solutions**
E. Skrypnikova, S. Kaluzhina, E. Popova, Voronezh State University/RUS
- H 8** **Cancelled**
- H 9** **Corrosion behaviour of nano-crystalline MAX phase nc-TiC/a-SiC**
E. Ottesen-Hansen, Nokia Denmark, Copenhagen V/DK; R. Ambat, P. Møller, D. Minzari, Technical University of Denmark, Kgs. Lyngby/DK; P. Leisner, N. Gunnarsson, Acreo AB, Jönköping/S; H. Ljungcrantz, Impact Coatings, Linköping/S
- H 10** **Cancelled**
- H 11** **Self-healing coating with fluoro-organic compound for zinc**
A. Yabuki, R. Kaneda, Hiroshima University/J
- H 12** **Corrosion behavior of the silica coatings on the aluminum surface by plasma electrolytic technique**
M. Ehteshamzadeh, D. Salehi Doolabi, Shahid Bahonar University of Kerman/IR; M. Asadi Zarch, Azad University of Yazd/IR
- H 13** **Cancelled**
- H 14** **Inhibition effects of some new polymers on corrosion of carbon steels from industrial cooling water**
I. Branzoi, University Politehnica of Bucharest/RO; A. Stanca, Institute Energy Research of Bucharest/RO; F. Golgovici, University Politehnica of Bucharest/RO; F. Branzoi, Institute of Physical Chemistry/RO

Corrosion Inhibition, Nano-coatings and Smart Coatings

- H 15 **Cancelled**
- H 16 **Synergetic effect of corrosion inhibitor for production of mild steel used in cooling water system**
T. Abohalguma, F. Elshawesh, O. Regai, Libyan Petroleum Institute, Tripoli/LAR
- H 17 **Silanes and cerium salts for post-treatment on ZnNi coatings**
C.B. Santos, Fraunhofer-IPA, Stuttgart/D; J-P. Bonino, F. Ansart, E. Xuereb, Université Paul Sabatier, Toulouse/F; C. Salacruch, P. Bares, MECAPROTEC Industries, Muret/F; T. Menezes, C. Malfatti, PPGEM-UFRGS, Porto Alegre/BR; J. Alexis, LPG-ENIT, Tarbes/F
- H 18 **Improve the corrosion resistance of stainless steel 316L in simulated body fluid**
N. Abdel Ghany, A. El-Basiony, National Research Centre, Cairo/ET
- H 19 **A structural and corrosion investigation of glymo-POSS coatings on AA 2024 aluminium alloy**
A. Surca Vuk, P. Jamnik, I. Jerman, B. Orel, National Institute of Chemistry, Ljubljana/SLO
- H 20 **A corrosion investigation of sol-gel functionalized POSS coatings on AA 2024-T3 aluminium alloy**
I. Jerman, A. Surca Vuk, M. Kozelj, B. Orel, National Institute of Chemistry, Ljubljana/SLO; J. Kovac, Jozef Stefan Institute, Ljubljana/SLO

Polymers, Coatings and Corrosion in Transport

- I 1 **Pipeline coating for horizontal direction drilling (HDD) crossings**
M. Nabil, PETROJET, Cairo/ET
- I 2 **Electrochemical study of Polypyrrole/NiOCoO composite in neutral media**
A. Banu, Politehnica University of Bucharest/RO; M. Marcu, T. Spataru, Physical Chemistry Institute IG Murgulescu, Bucharest/RO; O. Radovici, Politehnica University of Bucharest/RO
- I 3 **Corrosion resistance of the Si+Na - enriched surface layer formed on titanium**
D. Krupa, J. Baszkiewicz, J. Zdunek, T. Borowski, Warsaw University of Technology/PL; J. Smolik, Institute for Terotechnology, Radom/PL
- I 4 **Corrosion resistance of the surface layers formed on titanium by plasma electrolytic oxidation**
J. Baszkiewicz, D. Krupa, J. Mizera, T. Borowski, Warsaw University of Technology/PL
- I 5 **Cancelled**
- I 6 **Inhibition of stainless steel corrosion by indole-carbazole copolymers**
B. Ustamehmetoglu, M. Erginer, E. Sezer, S. Tayyar, Istanbul Technical University/TR
- I 7 **Application of ketone based resins as anticorrosive coating**
E. Sezer, K. Coban, N. Kızılcın, Istanbul Technical University/TR
- I 8 **Electrochemical behavior of diamond-like carbon (DLC) deposited via magnetron sputtering on biomedical alloys in the simulated body fluid environment**
I.V. Branzoi, University Politehnica of Bucharest/RO; M. Iordoc, R. Vasilescu-Mirea, S. Hodoroagea, ICPE-CA National Institute for Research and Development in Electrical Engineering INCDIE ICPE, Bucharest/RO
- I 9 **Design-experiment estimation of paint coat durability according to certification test results**
V. Korolov, Y. Vysotsky, Y. Sulima, N. Magynova, OJSC "V. Shimanovsky, UkrRDISteelconstruction", Makeevka/UA
- I 10 **Cancelled**
- I 11 **Corrosion protection with fluoropolymers**
C. Jensen, H.G. Brouzes, Acccoat A/S, Kvistgaard/DK
- I 12 **Comparison of properties of waterborne and solventborne coatings**
V. Alar, I. Juraga, V. Šimunovic, I. Stojanovic, University of Zagreb/HR
- I 13 **Corrosion testing of duplex-coatings for buried ductile iron pipes**
P. Linhardt, G. Ball, Vienna University of Technology/A

Polymers, Coatings and Corrosion in Transport

- I 14 **Cancelled**
- I 15 **Cancelled**
- I 16 **Thin commercial chemical conversion coatings**
A.M Pereira, G. Pimenta, Materials Laboratory of Quality and Welding Institute, Oeiras/P

Managing Corrosion for Sustainability

- J 1 **Cancelled**
- J 2 **Molten salt corrosion evaluation for solar power plants**
V. Madina, O. Zubillaga, G. Imbuluzqueta, INASMET-Tecnalia, San Sebastián/E

Metallic Coatings

- K 1 **Cancelled**
- K 2 **Cancelled**
- K 3 **Micro-corrosion of ultra thin DLC films in magnetic recording disk**
A.-H. Tan, Ching Yun University, Chung-Li/RC
- K 4 **Wear-corrosion properties of Ni/Al₂O₃ nano-composite coatings electrodeposited on Ti-6Al-4V alloy**
C. Lee, C. Chen, C. Huang, A.-H. Tan, Ching Yun University, Chung-Li/RC
- K 5 **The specific corrosion behaviour of zinc-nickel alloy coating used for vehicle components**
K. Kreislova, B. Eremias, SVUOM Ltd., Prague/CZ; L. Kopecky, Czech Technical University, Prague/CZ;
M. Smetana, VUK Ltd., Panenske Brezany/CZ
- K 6 **High temperature oxidation of aluminized and uncoated ferritic-martensitic boiler steels**
J. Metsäjoki, E. Huttunen-Saarivirta, T. Lepistö, Tampere University of Technology/FIN
- K 7 **Evaluation of the utility of stainless steel electroplated with zinc in thiourea industry - a case study**
S. Rajendran, M. Vimala, GTN Arts College, Dindigul/IND; V.A. Brigita, RVS College of Education, Dindigul/IND;
J. Arockia Selvi, S.A. Kanimozhi, GTN Arts College, Dindigul/IND; A.J. Amalraj, Loyola College, Chennai/IND; B. Narayanasamy,
College of Engineering, Madurai/IND
- K 8 **Cancelled**
- K 9 **Electrochemical studies on electroless ternary and quaternary nano Ni-P based alloys**
M. Shoeib, Central Metallurgical R & D Institute, Cairo/ET; O.R.M. Khalifa, E.A. Abd El-Wahab, A.H. Marei, H.A. Mohamed,
Ain Shams University, Cairo/ET

Workshop on Pitting Corrosion

- L 1 **Corrosion resistance of carbon steel under heat transfer in alkaline solutions**
N. Muratova, Voronezh State Technical University/RUS; S. Kaluzhina, L. Ivanova, Voronezh State University/RUS
- L 2 **Detection of reinforcement corrosion by ultrasonic pulse velocity measurements**
A. Cobo Escamilla, E. Moreno Fernández, M.I. Prieto Barrio, Universidad Politécnica de Madrid/E
- L 3 **Poincaré section and quasi-periodicity in the detection of pitting corrosion of metals**
G.A. Vazquez-Coutiño, Universidad Autonoma Metropolitana-Iztapalapa, Mexico City/MEX; E.A. Cázares-Ibañez, Instituto Mexicano del
Petroleo, Mexico City/MEX; J. Castillo, J. Genescá, Universidad Nacional Autónoma de México, Mexico City/MEX
- L 4 LMP **New corrosion protection additive in powder form for steel reinforced concrete**
B. Gerharz-Kalte, M. Schottler, ELOTEX GmbH, Frankfurt/D

Light Alloys in Transportation

- M 1** **Influence of sulfate nickel and borac on the corrosion and SCC behaviour of anodic coated 1050 Al-alloys**
P. Spathis, E. Papastergiadis, Aristotle University of Thessaloniki/GR
- M 2** **Correlation between mechanical surface treatments and corrosion behavior of aluminum alloys**
M. Mhaede, M. Wollmann, L. Wagner, Clausthal University of Technology/D
- M 3** **Morphology and growth of porous anodic films on Al-Cu-Li alloys in sulphuric acid**
F. Viejo, M. Curioni, R. Arrabal, F.J. García-García, P. Skeldon, University of Manchester/UK; A. Pardo, Universidad Complutense de Madrid/E; G.E. Thompson, University of Manchester/UK; T. Warner, Alcan Centre de Recherches de Voreppe/F
- M 4** **Effect of the heat treatment on the corrosion rate of a dual phase steel in 0.5M H₂SO₄**
A. Ramírez Arteaga, Centro de Investigación en Materiales Avanzados, Cuernavaca/MEX; J.G. González-Rodríguez, Universidad Autónoma del Estado de Morelos, Cuernavaca/MEX; B. Campillo, Universidad Nacional Autónoma de México, Cuernavaca/MEX; V.M. Salinas-Bravo, Instituto de Investigaciones Eléctricas, Cuernavaca/MEX; L. Leduc-Lezama, TEMIUM-HyLSA, Monterrey/MEX; A. Martínez-Villafañe, M.A. Neri-Flores, Centro de Investigación en Materiales Avanzados, Chihuahua/MEX
- M 5** **Corrosion behaviour of WE43 and AZ91D magnesium alloys with silicate PEO coatings**
R. Arrabal, E. Matykina, F. Viejo, The University of Manchester/UK; A. Pardo, Universidad Complutense de Madrid/E; P. Skeldon, G.E. Thompson, The University of Manchester/UK

Workshop on Computer Modelling in Corrosion

- N 1** **Electromagnetic response of pigments in corrosion protective coatings**
S. Croll, B. Hinderliter, North Dakota State University, Fargo, ND/USA
- N 2** **Application of Monte Carlo simulation to electrochemical thermodynamics and kinetics of transition metal oxide film**
S.W. Kim, H.P. Kim, S.S. Hwang, Korea Atomic Energy Research Institute, Daejeon/ROK
- N 3** **Simulation and experiments on the corrosion mechanism of Zr under VVER circumstances**
A. Somogyi, Z. Kerner, Á. Horváth, KFKI Atomic Energy Research Institute, Budapest/H
- N 4** **Modelling structural corrosion in aluminium alloys effects of heat treatment**
B. Malki, B. Baroux, SIMAP, Grenoble/F; J. Delfosse, D. Schuster, EADS S.A.S., Suresnes/F

49th Corrosion Science Symposium

- O 1** **Intelligent data processing: a concrete field?**
J. Butcher, C. Day, P. Haycock, Keele University/UK; M. Hocking, SciSite Limited, Keele University Science Park/UK
- O 2** **Future proof organic coatings**
M. Carnie, University of Wales, Swansea/UK
- O 3** **Investigations into the photodegradation of polymer coatings using novel techniques to measure and predict coating lifetimes**
S. Cashmore, University of Wales, Swansea/UK
- O 4** **Printing technologies for photovoltaic coatings on steel**
M. Cherrington, University of Wales, Swansea/UK
- O 5** **Universal growth rate law of initial oxidation on the mott-cabrera model I -pure metals-**
I. Ishikawa, H. Nanjo, National Institute of Advanced Industrial Science and Technology, Sendai/J
- O 6** **Universal growth rate law of initial oxidation on the mott-cabrera model II -binary alloys-**
I. Ishikawa, H. Nanjo, National Institute of Advanced Industrial Science and Technology, Sendai/J
- O 7** **Mechanistic studies of stress corrosion cracking of alloy 600 in high temperature high pressure water**
F. Léonard, R.A. Cottis, University of Manchester/UK; F. Vaillant, EDF/F

49th Corrosion Science Symposium

- 0 8** **Cancelled**
- 0 9** **Investigation of metal substrates for photovoltaic applications**
B. Philip, University of Wales, Swansea/UK
- 0 10** **Corrosion qualification and certification system in Czech Republic**
J. Pitter, ATG s.r.o., Praha/CZ; H. Paterova, APC, Praha/CZ
- 0 11** **Corrosion awareness among higher secondary school students - an Indian scenario**
S. Rajendran, M. Vimala, G. Gantham, J. Arockia Selvi, S. Agnesia Kanimozhi, Corrosion Research Centre, Dindigul/IN;
J. Amalraj, Loyola College, Chennai/IN; B. Narayanasamy, Thiagarajar College of Engineering, Madurai/IN
- 0 12** **Comparison of corrosion behaviour of austenitic steels after standard electropolishing and magnetoelectropolishing**
K. Rokosz, T. Hryniewicz, Politechnika Koszalin, Koszalin/PL; R. Rokicki, Electrobright, Macungie, PA/USA
- 0 13** **Investigation on the corrosion behaviour of WC-12Co and WC-17Co thermal spray coatings by HVOF**
F. Tazesh, Sh. Khameneh Asl, M.R. Saghi Beyragh, University of Tabriz/IR; S. Norouzi, Tarbiat Modares University/IR
- 0 14 LMP** **Aluminium electrodeposition from ionic liquids - a new technique for corrosion and oxidation resistance?**
M.A. Craig, M. Robinson, J.R. Nicholls, Cranfield University/UK; S. Caporali, Universita di Firenze/I
- 0 15 LMP** **Investigation into effect of surface preparation method on performance of organic coatings on steel**
D.J. Mills, University of Northampton/UK; K. Schaefer, University of Northampton/UK and Technical University of Gdansk/PL

Programme subject to change

Poster Award

The poster presentation is an important part of the scientific programme. This role will be emphasised in Edinburgh by the Best Poster Award which will be awarded to 3 poster presentations. The ceremony will take place during the Congress Dinner on Wednesday, 10 September 2008.

We would like to thank the **NACE - UK section** for sponsoring.