

EUROCORR Programme (as of 29 July 2010, Programme subject to change)

	Monday, 13 September 2010
16:30	Registration and Welcome Reception (up to 19:00)
	Tuesday, 14 September 2010
9:00	Opening Session
9:15	Welcome Address
9:30	Cavallaro Medal Award Presentation
9:45	Invited Plenary Lecture Progress in corrosion inhibition and modification of protective nanolayers on metals Y. Kuznetsov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
10:30	Coffee Break

Tuesday, 14 September 2010		
Coatings (Inorganic) (WP 14)		
9611	11:00	Phosphating - the status and perspectives of development in Russia T.A. Vagramyan, N. Grigoryan, E.F. Akimova, A.A. Abrashov, D. Mendeleyev University of Chemical Technology of Russia, Moscow/RUS
4723	11:25	Electrochemical fabrication of oriented ZnO on TiO₂ nanotubes M. Eyraud, University of Provence, Marseille/F; G. Jimenez-Cadena, University of Brescia/I; C. Chassigneux, University of Provence, Marseille/F; E. Comini, G. Sberveglieri, University of Brescia/I; T. Djenizian, University of Provence, Marseille/F
9559	11:50	Characterisation of nanotubular TiO₂ films on Ti-6Al-4V alloy for biomedical applications E. Matykina, Centro Nacional Investigaciones Metalúrgicas, Madrid/E; J.M. Hernandez-López, Universidad Nacional Autónoma de México, México D.F./MEX; A. Conde, J.J. de Damborenea, M.A. Arenas, Centro Nacional Investigaciones Metalúrgicas, Madrid/E
9170	12:15	Synthesis of coatings in molten salts for creation of functional materials S. Kuznetsov, I.V. Tananaev Institute of Chemistry at Kola Science Centre (RAS), Apatity/RUS
	12:40	Lunch Break
9345	14:00	Modified anodising processes for light metals based on the incorporation of nanoparticles or nanocapsules W. Fürbeth, D. Tabatabai, B. Tigges, S.K. Weidmann, DECHEMA e.V., Frankfurt am Main/D
9435	14:25	A composite coating for corrosion protection of AM60B magnesium alloy M. Bestetti, A. Da Forno, Politecnico di Milano/I; A Mandelli, S.P. Trasatti, M. Trueba, Università degli Studi di Milano/I
9550	14:50	Optical and electrochemical measurement of the thickness of anodic thin films on titanium M.V. Diamanti, M. Ormellese, B. Del Curto, M.P. Pedferri, Politecnico di Milano/I
9155	15:15	Self-healing corrosion protective coatings by oxide particles and a pH-sensitive organic agent on a magnesium alloy A. Yabuki, M. Sakai, Hiroshima University, Higashi-Hiroshima/J
	15:40	Coffee Break
9337	16:15	Thin, nanoparticulate coatings for the improvement of the corrosion and passivation behavior of AZ magnesium alloys F. Feil, W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
9563	16:40	Glass-like environmentally friendly sol-gel coatings for corrosion protection of metals N.C. Rosero-Navarro, Y. Castro, M. Aparicio, A. Durán, Ceramic and Glass Institute, Madrid/E
9449	17:05	Protective enamel coatings deposited on steel S. Rossi, E. Scrinzi, University of Trento/I
	17.30	Poster Discussion / Poster Party

Tuesday, 14 September 2010		
Corrosion Mechanisms & Methods (WP 6 & 8)		
9541	11:00	ATR-FTIR spectroscopy at the metal-water and metal-polymer interfaces - theoretical and experimental studies <u>D. Persson</u> , M. Öhman, Swerea KIMAB, Stockholm/S
9468	11:25	Selective dissolution of modified single-crystalline model systems studied by in-situ X-ray diffraction <u>F. Renner</u> , A. Pareek, G. Anka, Max-Planck-Institut für Eisenforschung, Düsseldorf/D
9358	11:50	Application of high resolution techniques to characterize sensitization of highly alloyed materials <u>M. Prohaska</u> , G. Mori, University of Leoben/A; <u>M. Arndt</u> , Center for Surface and Nanoanalytics, Linz/A; <u>B. Rashkova</u> , University of Leoben and Erich Schmid Institute for Materials Science, Leoben/A; <u>A. Seyeux</u> , P. Marcus, École Nationale Supérieure de Chimie de Paris/F; <u>G. Tischler</u> , R. Grill, voestalpine Grobblech GmbH, Linz/A
9322	12:15	Detection of hydrogen permeation through iron foil using a scanning Kelvin Probe <u>G. Williams</u> , H.N. McMurray, Swansea University/UK; <u>R.C. Newman</u> , University of Toronto, ON/CDN
	12:40	Lunch Break
9351	14:00	Scanning electrochemical probe characterisation of galvanic activity across inclusion boundaries in iron/nickel meteorites <u>D. Greenfield</u> , Sheffield Hallam University/UK; <u>D.E. Bryant</u> , <u>T.P. Kee</u> , University of Leeds/UK; <u>H.G.M. Edwards</u> , <u>T. Munshi</u> , <u>I.J. Scowen</u> , University of Bradford/UK
9399	14:25	On reproducibility of measurements obtained by means of electrochemical micro-cell technique <u>F. Andreatta</u> , <u>L. Paussa</u> , University of Udine/I; <u>A.H. Akita</u> , <u>C.S. Fugivara</u> , <u>A.V. Benedetti</u> , UNESP, Sao Paulo/BR; <u>L. Fedrizzi</u> , University of Udine/I
9387	14:50	Formation of the galvanic cells during atmospheric corrosion of a metal <u>A. Nazarov</u> , <u>D. Thierry</u> , French Corrosion Institute, Brest/F
9678	15:15	Development of electrochemical methods for determining of corrosion protection properties of metals, alloys and coatings in laboratory and industrial conditions <u>N.G. Anufriev</u> , <u>S.V. Oleynik</u> , <u>A.P. Akolzin</u> , <u>A.N. Frumkin</u> Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
	15:40	Coffee Break
9573	16:15	A local electrochemical approach for bond-pad corrosion study <u>O.V. Elisseeva</u> , M2i - Materials innovation institute, Delft/NL; <u>A. Mavinkurve</u> , <u>R.T.H. Rongen</u> , <u>M.H.M. van der Straaten</u> , NXP Semiconductors, Nijmegen/NL; <u>R. Ambat</u> , Technical University of Denmark, Kgs. Lyngby/DK; <u>J.M.C. Mol</u> , Delft University of Technology/NL; <u>H. Terry</u> , M2i - Materials innovation institute, Delft/NL and Vrije Universiteit Brussel/B/NL; <u>J.H.W. de Wit</u> , Delft University of Technology/NL
9505	16:40	Effects of lead free soldering on corrosion of electronics <u>M.S. Jellesen</u> , <u>D. Minzari</u> , <u>U. Rathinavelu</u> , <u>P. Møller</u> , <u>R. Ambat</u> , Technical University of Denmark, Kgs. Lyngby/DK
9516	17:05	Mechanisms of electrochemical migration of tin by in-situ optical and electron microscopy <u>D. Minzari</u> , <u>M.S. Jellesen</u> , <u>P. Møller</u> , <u>K. Mølhav</u> , <u>E. Jensen</u> , <u>R. Ambat</u> , Technical University of Denmark, Kgs. Lyngby/DK

	17.30	Poster Discussion / Poster Party
		Tuesday, 14 September 2010
		Joint EFC/NACE Session: Corrosion in Oil & Gas Production (WP 13)
9526	11:00	Material behavior in extreme conditions: influence of large amount of H₂S on toughness in low temperature environments P. Fassina, ENI, San Donato/I; R. Morana, L. Alleva, G. Mortali, Centro Sviluppo Materiali S.p.A., Roma/I; L. Vergani, A. Sciuccati, Politecnico di Milano/I
4672	11:25	Recovery of initial SSC resistance in OCTG pipe ends after end-sizing and stress-relieving for integral connections threading H. Marchebois, Vallourec Research Centre, Aulnoye-Aymeries/F; <u>A. Gateaud</u> , VMOG - R&D, Aulnoye-Aymeries/F; F. Thébault, C. Gomes, Vallourec Research Centre, Aulnoye-Aymeries/F; E. Cadiou, VMOG - R&D Process, Aulnoye-Aymeries/F; S. Kemtchou, V&M - E&I, Düsseldorf/D; C. Bosch, S. Jäger, Salzgitter Mannesmann Forschung GmbH, Duisburg/D
9274	11:50	Hydrogen induced cracking of sour gas pipeline - case study D. Masouri, Pars Oil & Gas Co., Tehran/IR; M. Zafari, E. Mohebbi, National Iranian South Oil Co., Ahwaz/IR; <u>M. Askari</u> , Pars Oil & Gas Co., Tehran/IR
9184	12.15	Effect of microstructure on hydrogen diffusion in X70 grade pipeline steel and its weldments M. Skjellerudsveen, O.M. Akselsen, V. Olden, R. Johnsen, <u>A. Smirnova</u> , Norwegian University of Science and Technology, Trondheim/N
	12:40	Lunch Break
9394	14:25	Effects of strain and trapping on hydrogen-induced cracking in high strength low alloy steels <u>C. Bosch</u> , D. Delafosse, École Nationale Supérieure des Mines de Saint-Étienne/F; X. Longaygue, Institut Français Pétrole, Rueil-Malmaison/F
9205	14:50	An empirical model for indication of M13Cr-110 NACE method - a test acceptability <u>E. Caldwell</u> , L. Jordan, G. Gibson, GATE, LLC, Houston, TX/USA
9474	15:15	Effect of tensile stress on hydrogen diffusion in 13% Cr super martensitic stainless steel <u>A. Smirnova</u> , R. Johnsen, K. Nisancioglu, Norwegian University of Science and Technology, Trondheim/N
	15:40	Coffee Break
4697	16:15	Resistance of 08XMΦ4A, 07ЦГΦБ-У, 06ГБ pipeline steels to corrosion and corrosion-mechanical destruction in aggressive media of oil and gas fields Ye.S. Ivanov, M.L. Brodsky, Russia Scientific and Research Institute of Corrosion, Moscow/RUS; <u>A.V. Timonin</u> , Institute of Pipeline Industry, Xian/PRC
9236	16:40	Relationship between the growth of corrosion scale and CO₂ corrosion M.W. Gao, <u>K.W. Gao</u> , University of Science and Technology, Beijing/PRC
	17.30	Poster Discussion / Poster Party

		Tuesday, 14 September 2010
		Corrosion by Hot Gases and Combustion Products (WP 3)
4734	11:00	Process equipment made of graphite, silicon carbide and carbon steel for production and treatment of process gases, containing gaseous hydrogen chloride (HCl) and hydrogen fluoride (HF) at temperatures in the range of 1200°C to 2200°C <u>M. Franz</u> , P. Pöllmann, T. Grünberger, S. Götz, SGL CARBON GmbH, Meitingen/D
9638	11:25	Principles of protection from high-temperature oxidation of niobium and carbon materials A.V. Kasatkin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
4735	11:50	Development of pest resistant Nb-Ti-Hf-Cr-Al-Si-Sn composites <u>S. Knittel</u> , S. Mathieu, M. Vilasi, University of Nancy/F
9658	12:15	Problems of design of heat-resistant coatings for high-temperature materials working in extreme conditions V.S. Terentieva, Moscow Aviation Institute (State Technical University)/RUS
	12:40	Lunch Break
9623	14:00	Keynote Lecture Kinetic principles of formation of temperature-resistant functional coatings <u>V.A. Zhabrev</u> , S.V. Chuppina, Grebenshchikov Institute of Silicate Chemistry (RAS), St. Petersburg/RUS
9647	14:50	Aluminide coatings for ferritic steels against oxidation in steam: thermodynamic and TG-mass spectrometry studies M.P. Hierro, <u>S.I. Castañeda</u> , J. Marulanda, G. Alcalá, F.J. Perez Trujillo, Universidad Complutense de Madrid/E
9499	15:15	Surface modified ferritic steels by moderate temperature Si and Cr enrichment for steam oxidation resistance at 650° C <u>A. Agüero</u> , M. Gutierrez, V. Gonzalez, Instituto Nacional de Técnica Aeroespacial, Torrejón de Ardoz/E; R. Muelas, Ingeniería y Servicios Aeroespaciales, Madrid/E
	15:40	Coffee Break
	16:15	Working Party 3 Business Meeting
	16:40	Working Party 3 Business Meeting
	17.30	Poster Discussion / Poster Party

Tuesday, 14 September 2010		
Corrosion in the Refinery Industry (WP 15)		
9242	11:00	Keynote Lecture Peculiarities of the corrosion in cat cracker and delayed coker gasoline distillates <u>V.P. Tomin</u> , Ya.N. Silinskaya, JSC Angarsk Petrochemical Company/RUS; N.A. Korchevin, Irkutsk State University of Railroad Communications/RUS
9216	11:50	Electrochemical treatment of sour water H. Medaber Jambo, Petrobras, Rio de Janeiro/BR; <u>J.A. Ponciano Gomes</u> , Federal University of Rio de Janeiro/BR
9475	12:15	Materials selection for electrodes used in electro-oxidation of ammonia <u>L. Candido</u> , J.A. Ponciano Gomes, Federal University of Rio de Janeiro/BR
	12:40	Lunch Break
9243	14:00	Impact of the primary oxidation products of gasoline cuts and oxygen-containing compounds on corrosion behavior of carbon steel V.P. Tomin, Ya.N. Silinskaya, <u>E.V. Belyaeva</u> , JSC Angarsk Petrochemical Company/RUS
4673	14:25	The analysis of oils, fuel and operating fluids spectrometric methods <u>A.A. Latyshev</u> , G.I. Suranov, Ukhta State Technical University/RUS
9278	14:50	SCC resistance of X70 SAW helical seam welded pipes in fuel grade ethanol <u>M. Hörstemeier</u> , M. Scheepers, C. Bosch, Salzgitter Mannesmann Forschung GmbH, Duisburg/D; C. Kalwa, T. Köppe, EUROPIPE GmbH, Mühlheim/D; H. Dellaretti Junior, Tubos Soldados Atlantico, Carapina/BR
9615	15:15	A new Ni-Mo-Cr alloy for the most aggressive media <u>N.S. Meck</u> , P. Crook, P.E. Manning, Haynes International, Inc., Kokomo, IN/USA
	15:40	Coffee Break
9542	16:15	Reliable solutions for corrosion monitoring in high temperature plant K. Morton, iicorr, Aberdeen/UK
9442	16:40	The role of welded joint vulnerability and various damage mechanisms active in process & petrochemical plants: reliability analysis with Risk Based Inspection (RBI) approach <u>M. De Marco</u> , S. Pinca, G. Canale, Istituto Italiano della Saldatura, Genova/I
	17.30	Poster Discussion / Poster Party

Tuesday, 14 September 2010		
Corrosion and Scale Inhibition (WP 1)		
9217	11:00	Keynote Lecture X-ray electron spectroscopy and adsorption of heterocyclic molecules on metallic surfaces L. Kazansky, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9239	11:50	Metal passivation by phosphorous-containing inhibitors A. Chirkunov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9339	12:15	Synergistic improvement of the inhibitory activity of dicarboxylates in preventing mild steel corrosion in neutral aqueous solution D. Lahem, M. Poelman, Materia Nova ASBL, Mons/B; M. Olivier, Materia Nova ASBL, Mons/F and Université de Mons/B
	12:40	Lunch Break
9438	14:00	Reduction of copper loss in potable water in domestic installations by water treatment (decarbonisation, corrosion inhibitors) A. Becker, U. Ruhrberg, T. Jentzsch, IWW Water Centre, Mülheim an der Ruhr/D
9286	14:25	Inhibition and stimulation of the anodic dissolution of heterogeneous binary alloys in neutral media V.V. Ekilik, A.G. Berezhnaya, Southern Federal University, Rostov-na-Donu/RUS
9276	14:50	Application of the cyclic polarisation technique for measuring the performance of industrial localised corrosion inhibitors E. Reny, Nalco Europe BV, Oegstgeest/NL
9408	15:15	Inhibiting the acidic corrosion of metals: surface and bulk effects S.M. Reshetnikov, M.A. Pletnev, I.B. Shirobokov, Udmurt State University, Izhevsk/RUS
	15:40	Coffee Break
9127	16:15	Application experience and new approaches for volatile corrosion inhibitors E. Lyublinski, Northern Technologies International Corporation, Beachwood, OH/USA; P. Lynch, Northern Technologies International Corporation, Circle Pines, MN/USA; I. Roytman, Northern Technologies International Corporation, Beachwood, OH/USA; T. Yakubovskaya, ZAO MostNIC-Zerust, Moscow/RUS
9437	16:40	Inhibitors of iron acid corrosion on the basis of unsaturated organic compounds Ya.G. Avdeev, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
	17.30	Poster Discussion / Poster Party

Tuesday, 14 September 2010		
Environment Sensitive Fracture (WP 5)		
4681	11:00	Scientific-technical aspects of stress-corrosion in trunk gas pipeline V.V. Kharionovsky, Gazprom VNIIGAZ LLC, Razvilka/RUS
9163	11:50	Modeling the effects of local anodic acidification on stress corrosion of nickel H. Hoffmeister, Institute for Failure Analysis and Failure Prevention - ISSV e.V., Hamburg/D
4700	11:25	System of monitoring of gas pipelines on stress corrosion cracking A.S. Kuzbozhev, V.O. Solovej, Yu.V. Aleksandrov, Gazprom VNIIGAZ LLC- Severnipegaz, Ukhta/RUS
9251	12:15	On mechanism of initiation of corrosion-mechanical cracks in gas pipeline metal T.S. Yessiev, Gazprom VNIIGAZ LLC, Razvilka/RUS
	12:40	Lunch Break
9250	14:00	Nonlocal effects in liquid environment-induced cracking A. Malkin, D. Popov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9520	14:25	The influence of surface film modification on the mechanical and electrochemical properties of austenitic stainless steel S. Gnefid, R. Akid, Sheffield Hallam University/UK
9352	14:50	Fracture mechanic investigations of a CrNiMo austenitic stainless steel in different cold worked states C. Vichytil, G. Mori, M. Panzenböck, R. Pippan, University of Leoben/A; R. Fluch, Böhler Edenstahl GmbH & Co KG, Kapfenberg/A
9537	15:15	Cohesive zone modelling of hydrogen induced cracking in X70 pipeline steel V. Olden, SINTEF, Trondheim/N
	15:40	Coffee Break
9256	16:15	Corrosion creep of metals and its role in stress corrosion cracking Y.B. Unigovski, E.M. Gutman, Ben-Gurion University of the Negev, Beer-Sheva/IL; Z. Koren, Israel Institute of Metals, Technion, Haifa/IL
	16:40	Working Party 5 Business Meeting
	17.30	Poster Discussion / Poster Party

Tuesday, 14 September 2010		
Automotive Corrosion (WP 17)		
4769	11:00	KEYNOTE Recent trends of surface coated steel for automotive panels <u>J. Kim</u> , Y.-K. Song, S.-K. Noh, C. Choi, J. Choi, Y. Kim, C. Jung, J. Oh, POSCO Technical Research Laboratories, Gwangyang, Jeonnam/ROK
9208	11:50	Corrosion resistance of hot-stamped Usibor steels for automotive <u>L. Dosdat</u> , O. Clauzeau, J. Petitjean, T. Vietoris, ArcelorMittal Research SA, Maizières les Metz/F
9425	12:15	Role of alloying elements for improved corrosion resistance of Zn-Al-Mg coatings on steel <u>P. Volovitch</u> , École Nationale Supérieure de Chimie de Paris/F; C. Allely, ArcelorMittal Research SA, Maizières-lès-Metz/F; A.A. Aal, G. Lefevre, K. Ogle, École Nationale Supérieure de Chimie de Paris/F
	12:40	Lunch Break
9137	14:00	New applications outlook for magnesium alloys V. Kechin, Vladimir State University/RUS; <u>E. Lyublinski</u> , Northern Technologies International Corporation, Beachwood, OH/USA
9457	14:25	Influence of microstructure on the corrosion performance of dual phase steels <u>D. Farias</u> , M2i - Materials innovation institute, Delft/NL; F. Hannour, Corus Research Development and Technology, Ijmuiden/NL; J.M.C. Mol, Delft University of Technology/NL; H. Terry, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL
9298	14:50	Corrosion performance and mechanical properties of joined materials used in the automotive industry <u>N. LeBozec</u> , A. LeGac, D. Thierry, French Corrosion Institute, Brest/F
9500	15:15	Synergistic corrosion inhibition in multi-metal systems <u>M.L. Zheludkevich</u> , S. Kallip, A.C. Bastos, J. Tedim, M.G.S. Ferreira, University of Aveiro/P
	15:40	Coffee Break
9428	16:15	Influence of heating and cooling cycles on automotive exhaust corrosion M. Yasir, University of Leoben/A
9490	16:40	Electrochemically measurements for testing the corrosion behaviour of stainless steels in automotive exhaust systems <u>C. Hoffmann</u> , P. Gümpel, University of Applied Sciences, Konstanz/D
9502	17:05	Monitoring the road environment for on-vehicle testing <u>M. Jönsson</u> , B. Rendahl, I. Annergren, Swerea KIMAB, Stockholm/S
	17.30	Poster Discussion / Poster Party

Tuesday, 14 September 2010		
Workshop: Corrosion and Corrosion Protection in the Aerospace Industry		
4667	11:00	Ion-plasma coating salt corrosion protection of compressor GTE steel blades <u>S.A. Muboyadzhyan</u> , D.A. Aleksandrov, D.S. Gorlov, Russian Institute of Aviation Materials, Moscow/RUS
9259	11:25	Fatigue-oxidation interaction for a nickel-based superalloy <u>A. Karabela</u> , L.G. Zhao, J. Tong, University of Portsmouth/UK; N.J. Simms, J.R. Nicholls, Cranfield University/UK; M.C. Hardy, Rolls-Royce plc, Derby/UK
9353	11:50	Microstructure oriented fatigue and damage analysis of Al/Al and Al/steel friction stir weldings (FSW) considering corrosive effects <u>T. Tesfu-Zeru</u> , W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D; R. Noveva, University of Stuttgart/D; X. Lang, G. Wagner, University of Kaiserslautern/D; C. Conrad, Fraunhofer IZFP, Saarbrücken/D
9410	12:15	Stress-corrosion cracking failure of SCC resistant aeronautical materials: IAF case studies <u>L. Allegrucci</u> , L. Aiello, F. Bagnoli, V. Di Francesco, M. Bernabei, Italian Air Force, Pomezia-Roma/I
	12:40	Lunch Break
4676	14:00	A problem of fatigue life of structural materials under attacks of corrosive media A.D. Zhirnov, <u>A.V. Grinevich</u> , S.A. Karimova, Russian Institute of Aviation Materials, Moscow/RUS
9263	14:25	Localised corrosion in AA 2099-T8 aluminium alloy <u>Y. Ma</u> , X. Zhou, G.E. Thompson, P. Thompson, M. Fowles, University of Manchester/UK
9540	14:50	Validation of a galvanic corrosion model for AA2024 and CFRP with localised coating damage S. Palani, <u>T. Hack</u> , EADS Deutschland GmbH, Munich/D; A. Peratta, R. Adey, J. Baynham, CM BEASY, Ashurst/UK; H. Lohner, Airbus Operations GmbH, Bremen/D
9554	15:15	Novel protective Cr-free aerospace coatings based on hybrid sol-gel/conducting polymer systems <u>R. Akid</u> , H. Wang, Sheffield Hallam University/UK; M. Mostafa, Military Technical College, Cairo/ET
	15:40	Coffee Break
4666	16:15	Development principles of corrosion-resistant magnesium alloys I. Mukhina, Russian Institute of Aviation Materials, Moscow/RUS
9287	16:40	The formation of chromateless conversion coatings on aluminium alloys S.V. Oleynik, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
	17:30	Poster Discussion / Poster Party

		Wednesday, 15 September 2010
	9:00	Invited Plenary Lecture: Study on the current fluctuations during the early stage of pitting corrosion <u>Y. Zuo</u> , Y. Tang, Beijing University of Chemical Technology, Beijing/PRC
	9:45	Break for Changing the Lecture Hall
		Coatings (Organic) (WP 14)
4668	9:55	Anticorrosive properties of coatings based on aqueous materials <u>S.A. Nenakhov</u> , V.P. Pimenova, NPP Teplohim, Moscow/RUS
9273	10:20	Fluoropolymer anticorrosion coatings E. Ieva, Solvay Solexis, Spinetta Marengo/I; <u>F. Polastri</u> , Solvay Solexis, Bollate/I; T. Poggio, Solvay Solexis, Spinetta Marengo/I; S. Lin, Solvay Solexis, West Deptford, NJ/USA; V. Kapeliouchko, Solvay Solexis, Spinetta Marengo/I
	10:45	Coffee Break
9233	11:20	Effect of temperature on the impedance behavior of coated mild steel in 3% sodium chloride solution <u>J.M. Sykes</u> , Z. Sharer Sahir, University of Oxford/UK
9466	11:45	A combined macroscopic adhesion and interfacial bonding study of epoxy coatings on pretreated AA 2024-T3 <u>O. Ozkanat</u> , M2i - Materials innovation institute, Delft/NL; B. Salgin, M. Rohwerder, Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf/D; J.M.C. Mol, Delft University of Technology/NL; H. Teryn, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL
4802	12:10	On the joining of metal and plastic: structures, coating, corrosion and water permeability <u>A.H. Holm</u> , Grundfos Management A/S, Bjerringbro/DK; J. Byskov-Nielsen, Aarhus University/DK; R. Hoejsholt, J.V. Boll, P. Sá, Grundfos Management A/S, Bjerringbro/DK; P. Balling, Aarhus University/DK
	12:35	Lunch Break
9393	14:00	Electrochemical studies of electroactive conducting polymers containing corrosion inhibiting ions C. Vetter, M. Yan, <u>V. Gelling</u> , North Dakota State University, Fargo, ND/USA
9532	14:25	Smart functionalized polymer dispersions for effective mapping of heterogeneous metal surfaces: new concepts for corrosion protection <u>S. Toews</u> , W. Bremser, University of Paderborn/D; H. Hintze-Bruening, S. Sinnwell, M. Dombusch, W. Kreis, BASF Coatings AG, Münster/D
9604	14:50	Hybrid coatings based on conducting polymers and polysiloxanes <u>M. Trueba</u> , S.P. Trasatti, Università degli Studi di Milano/I
9639	15:15	Appraised Dry Film Thickness - new concept for the interpretation of DFT data collected from coated structures <u>L. Augustynski</u> , A. Krolikowska, Road and Bridge Research Institute, Warszawa/PL
	15:40	Coffee Break

Wednesday, 15 September 2010		
Coatings (Sol-gel) (WP 14)		
9244	16:15	A coating combination of self-healing polymers and corrosion inhibitors for active corrosion protection of metals I. De Graeve, G. Van Assche, G. Scheltjens, J.B. Jorcin, E. Tourwe, Y. Van Ingelhem, A. Hubin, B. Van Mele, Vrije Universiteit Brussel/B; <u>Y. Gonzalez-Garcia</u> , J.M.C. Mol, Delft University of Technology/NL; H. Terryn, Vrije Universiteit Brussel/B
9202	16:40	Self-healing anticorrosive organic coating based on the release of a reactive Silyl Ester S.J. Garcia, Delft University of Technology/NL; H.R. Fischer, TNO Industry and Technology, Eindhoven/NL; P.A. White, J. Mardel, A.E. Hughes, CSIRO Materials Science & Engineering, Clayton-Melbourne/AUS; <u>J.M.C. Mol</u> , Delft University of Technology/NL
9445	17:05	Study of the effect of mechanical treated cerium (IV) oxides on the corrosion protection of painted galvanized steel <u>M. Fedel</u> , F. Deflorian, S. Rossi, University of Trento/I
9283	17:30	Interaction of carboxylic acid groups with zinc surfaces <u>P. Taheri</u> , M2i - Materials innovation institute, Delft/NL; J.M.C. Mol, Delft University of Technology/NL; H. Terryn, M2i - Materials innovation institute, Delft/NL and Vrije Universiteit Brussel/B; H. de Wit, Delft University of Technology/NL; J.R. Flores, F. Hannour, Corus Research Development and Technology, IJmuiden/NL
9223	17:55	New non-toxic pretreatment and water based wash primer for the aircraft industry <u>M. Kharsan</u> , A. Green, Cortec Corporation, White Bear Lake, MN/USA
	18:20	Working Party 14 Business Meeting (around 1 hour)

Wednesday, 15 September 2010		
Corrosion Mechanisms & Methods (WP 6 & 8)		
9372	09:55	Tempering effect on corrosion performance of magnesium alloys for biomedical applications X. Zhang, G.M. Ferrari, TNO Science and Industry, Den Helder/NL; M. Erinc, W.H. Sillekens, TNO Science and Industry, Eindhoven/NL
9151	10:20	Probing continuous localized corrosion in AA2024-T3 aluminium alloy C. Luo, X. Zhou, The University of Manchester/UK; A.E. Hughes, CSIRO Materials Science and Technology, Clayton South MDC/AUS; G.E. Thompson, The University of Manchester/UK
	10:45	Coffee Break
9434	11:20	Correlation between microstructure, microhardness, and corrosion sensitivity of AA 2024-T3 FSW welded joints E. Bousquet, University of Bordeaux, Talence/F; A. Poulon-Quintin, University of Bordeaux, Pessac/F; M. Puiggali, M. Touzet, University of Bordeaux, Talence/F
4692	11:45	Studying, modeling and predicting of pitting corrosion of stainless steels in moving liquids K.R. Tarantseva, Penza State Technological Academy/RUS; V.S. Pakhomov, Moscow State University of Engineering Ecology/RUS
4714	12:10	Corrosion protection and breakdown mechanisms of ultra thin aluminium oxide coatings grown with Atomic Layer Deposition on steel substrates B. Diaz, J. Swiatowska, A. Seyeux, V. Maurice, P. Marcus, École Nationale Supérieure de Chimie de Paris/F; E. Härkönen, M. Ritala, University of Helsinki/FIN
	12:35	Lunch Break
4706	14:00	Composite structures on the base of nanotubular anodic oxide coatings on aluminium and titanium and their possible applications N.M. Yakovleva, Karelian State Pedagogical Academy, Petrozavodsk/RUS; A.N. Yakovlev, Petrozavodsk State University/RUS; E.A. Chupakhina, Karelian State Pedagogical Academy, Petrozavodsk/RUS; A.N. Kokatev, Nelan-oksud LTD, Petrozavodsk/RUS
9586	14:25	Triggered release of intercalated organic inhibitors from Layered Double Hydroxide nanocontainers: a systematic study M.G.S. Ferreira, A.C. Bastos, O.V. Karavai, University of Aveiro/P; S.V. Lamaka, Instituto Superior Técnico, Lisbon/P; M.L. Zheludkevich, University of Aveiro/P
9307	14:50	Exposure of silver to atomic oxygen A. De Rooij, European Space Agency, Noordwijk/NL
9376	15:15	Oxide nanofilms on silver, copper and their alloys with gold: the kinetics of anodic formation and semiconductor properties S. Grushevskaya, S. Ganzha, A. Vvedenskii, D. Kudryashov, Voronezh State University/RUS
	15:40	Coffee Break

Wednesday, 15 September 2010		
Corrosion Mechanisms & Methods (WP 6 & 8)		
9330	16:15	Atmospheric corrosion of silver coated phosphorous bronze: morphological evolution D. Mombello, S. Grassini, <u>B. De Benedetti</u> , E. Angelini, Politecnico di Torino/I
4748	16:40	Corrosion mechanisms of silver thin films in alkaline Na₂S solutions <u>N. Li</u> , A. Galtayries, I. Frateur, V. Maurice, P. Marcus, École Nationale Supérieure de Chimie de Paris/F; S. Grachev, E. Søndergård, Laboratoire Surface du Verre et Interfaces, Aubervilliers/F; L.J. Singh, D. Nicolas, Saint-Gobain Recherche, Aubervilliers/F
9448	17:05	Influence of plastic strain and temperature on the hydrogen evolution reaction on nickel (100) single crystal surfaces in sulphuric acid <u>C. Lekbir</u> , H. Al Alami, C. Huvier, J. Creus, R. Sabot, E. Conforto, X. Feaugas, University of La Rochelle/F
9580	17:30	Study of the hydrogen diffusion and trapping mechanisms into quenched and tempered HSLA steels using electrochemical permeation technique <u>S. Frappart</u> , Vallourec Research Centre, Aulnoye-Aymeries/F and University of La Rochelle/F; X. Feaugas, J. Creus, University of La Rochelle/F; F. Thebault, L. Delattre, H. Marchebois, Vallourec Research Centre, Aulnoye-Aymeries/F; M. Hörstemeier, Salzgitter Mannesmann Forschung GmbH, Duisburg/D

Wednesday, 15 September 2010		
Corrosion in Oil & Gas Production (WP 13)		
9486	09:55	Lean duplex stainless steel within the oil and gas industry E. Johansson, R. Pettersson, Outokumpu Stainless AB, Avesta/S
9265	10:20	Effect of intermetallic content on the pit stability and propagation kinetics of duplex stainless steel exposed to CO₂ saturated production brine R.P. Case, S.P.V. Mahajanam, H.E. Rincon, D.R. McIntyre, T. McWalter, Conoco Phillips, Bartlesville, OK/USA
	10:45	Coffee Break
9446	11:20	Environmentally assisted cracking behavior of super 13Cr stainless steel under cathodic polarization condition in carbon dioxide environment T. Haruna, M. Hirose, Kansai University, Suita/J; H. Takabe, Sumitomo Metal Ind., Amagasaki/J; D. Motoya, H. Amaya, M. Ueda, Sumitomo Metal Ind., Wakayama/J
9333	11:45	The effect of environmental factors on SCC resistance of 110ksi strength grade super 13Cr steel H. Takabe, Sumitomo Metal Industries, LTD., Amagasaki/J; M. Ueda, T. Ohe, Sumitomo Metal Industries, LTD., Wakayama/J; J.W. Martin, BP Exploration Operating Company Limited, Sunbury/UK; P.I. Nice, Statoil ASA, Stavanger/N
9334	12:10	Mechanical properties and corrosion resistance of post-expanded SM2535 T. Ohe, Sumitomo Metal Industries, Ltd., Wakayama/J; H. Takabe, Sumitomo Metal Industries, Ltd., Amagasaki/J; M. Ueda, Sumitomo Metal Industries, Ltd., Wakayama/J; R.P. Badrak, Weatherford International Ltd., Houston, TX/USA
	12:35	Lunch Break
9381	14:25	Investigation of corrosion resistance and mechanical properties of aluminum tubular products for oilfield injection applications R. Badrak, Weatherford International Ltd., Houston, TX/USA; M. Gelfgat, Weatherford Holdings, Moscow/RUS; V. Chizhikov, S. Kolesov, Weatherford, LLC, St. Petersburg/RUS
4737	14:50	Environmentally assisted cracking behavior of Nickel alloys in oil and gas applications - a review R. Rebak, GE Global Research, Schenectady, NY/USA
9203	15:15	The value of data I.G. Winning, R. Payne, W.M. Awosika, Wood Group Integrity Management, Staines/UK
	15:40	Coffee Break
9524	16:15	Top of the line corrosion (TLC) - a field failure M. Joosten, ConocoPhillips USA, Bartlesville, OK/USA; D. Owens, ConocoPhillips Canada, Vulcan, AB/CDN; A. Hobbins, ConocoPhillips Canada, Grande Prairie, AB/CDN; D. Lanktree, ConocoPhillips Canada, Vulcan, AB/CDN; H. Sun, M. Achour, ConocoPhillips USA, Bartlesville, OK/USA
4726	17:05	Problem of corrosion of oil gathering system pipelines and solutions R. Wharfe, A.B. Kichenko, Salym Petroleum Development/RUS

Wednesday, 15 September 2010		
Corrosion by Hot Gases and Combustion Products (WP 3)		
	09:55	Behaviour of selected coatings under testing environment of boilers for plant biomass burning J. Cizner, SVUM a.s., Prague/CZ; <u>P. Sajdl</u> , Institute of Chemical Technology Prague/CZ
9321	10:20	Phase transformations in INCONEL 625 during oxidation at 800-1000°C <u>A.D. Chyrkin</u> , P. Huczowski, L. Singheiser, W.J. Quadackers, Forschungszentrum Jülich/D
	10:45	Coffee Break
9549	11:20	Ferritic stainless steel durability in gas condensing boilers S. Lassiaz, ArcelorMittal Isbergues Research Center/F; J. Leclercq, ArcelorMittal Stainless Europe, Gueugnon/F; A. Gaugain, <u>L. Peguet</u> , ArcelorMittal Isbergues Research Center/F
9613	11:45	High temperature behavior of water on metallic materials with corrosive atmospheres with chlorine <u>M. Sanchez Pasten</u> , J.A. Alcantara Gutierrez, F. Chavez Alcala, Instituto Politécnico Nacional, México D.F./MEX
9601	12:10	Effect of temperature on the relative importance of surface condition and furnace atmosphere in the oxidation of carbon steels H. Marston, Corus Research Development and Technology, Rotherham/UK; <u>B. Stewart</u> , Corus Research Development and Technology, Middlesbrough/UK; M. Bugdol, R. Ratcliffe, Corus Research Development and Technology, Rotherham/UK
	12:35	Lunch Break
9135	14:00	Investigation of cracking in the shell of a reactor of MTBE Plant Catofin Unit <u>A. Al-Meshari</u> , A. Abdelgalil, S. Al-Enazi, SABIC Technology Centre, Jubail Industrial City/SAR; K. Jeganathan, Saudi European Petrochemical Company, Jubail Industrial City/SAR
9371	14:25	In situ corrosion testing of various high nickel alloys at Måbjerg waste incineration plant <u>M. Montgomery</u> , DTU Mekanik/Vattenfall/Dong Energy, Kgs. Lyngby/DK; S.A. Jensen, DONG Energy, Copenhagen/DK; T. Vilhelmsen, Vattenfall Heat Nordic, Odense/DK; N.H. Nielsen, Babcock and Wilcox Vølund, Esbjerg/DK

Wednesday, 15 September 2010		
Corrosion in the Refinery Industry (WP 15)		
9323	09:55	Critical factors in rich amine solvent corrosivity <u>B. Chambers</u> , V. Lagad, Honeywell Corrosion Solutions, Houston, TX/USA; R. Kane, iCorrosion, LLC, Houston, TX/USA
9167	10:20	Hydrogen damage, monitoring, and prevention in the oil refinery <u>A. Groysman</u> , R. Simon, Oil Refineries Ltd., Haifa/IL and ORT Braude College of Engineering, Karmiel/IL
	10:45	Coffee Break
4768	11:20	Influence of higher mercaptan levels in crudes on processing units in refineries V. Bonitz, <u>N. René de Cotret</u> , A. Stuke, Shell Deutschland Oil GmbH, Köln/D
9668	11:45	A study of the electrochemical behavior of tantalum in relation to hydrogen charging <u>A.G.S.G. da Silva</u> , H.A. Ponte, C.E.B. Marino, L.M. Moya, G. Arruda, Universidade Federal do Paraná, Curitiba/BR
9125	12:10	Corrosion protection of oil storage tank double bottoms <u>E. Lyublinski</u> , Y. Vaks, Northern Technologies International Corporation, Beachwood, OH/USA; M. Schultz, Petrobras, Rio de Janeiro/BR
	12:35	Lunch Break
9377	14:00	Corrosion of sulfided steels by naphthenic acids <u>M. El Kamel</u> , École Nationale Supérieure de Chimie de Paris/F and Groupe Total, Le Havre/F; A. Galtayries, École Nationale Supérieure de Chimie de Paris/F; G. Foulonneau, X. Roumeau, G. Morel, Groupe Total, Le Havre/F; P. Marcus, École Nationale Supérieure de Chimie de Paris/F
9595	14:25	Progress in petroleum refinery high temperature sulphidic corrosion inhibition <u>C. Claesen</u> , NALCO Energy Services, Kontich/B; M. Kulic, NALCO Energy Services, Vienna/A
	14:50	WP 15 Business Meeting
	15:40	Coffee Break
	16:15	WP 15 Business Meeting
	16:40	WP 15 Business Meeting
	17:05	WP 15 Business Meeting
	17:30	WP 15 Business Meeting
	17:55	WP 15 Business Meeting

Wednesday, 15 September 2010		
Corrosion and Scale Inhibition (WP 1)		
9235	09:55	Keynote Lecture The protective properties of some primarily adsorbed surfactants displayed in the corrosion of a number of metals accompanied by hydrogen and metal depolarization <u>V.P. Grigoriev</u> , S.P. Shpan'ko, E.V. Plekhanova, V.V. Boginskaya, A.S. Burlov, Southern Federal University, Rostov-na-Donu/RUS
	10:45	Coffee Break
9209	11:20	Complex approach to the estimation of copper pitting corrosion inhibition by benzotriazole in alkaline media under different temperatures <u>S. Kaluzhina</u> , E. Skrypnikova, Voronezh State University/RUS
9238	11:45	Mass-spectrometry for corrosion processes and corrosion inhibitors investigation <u>A.K. Buryak</u> , T.M. Serdyuk, A.V. Uleanov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9378	12:10	Inhibition effect of novel nonionic surfactants on the corrosion of carbon steel in acidic medium M.A. Hegazy, Egyptian Petroleum Research Institute, Cairo/ET
	12:35	Lunch Break
9582	14:00	Keynote Lecture SVET screening of corrosion inhibitors using multi-metal electrode approach <u>S. Kallip</u> , A.C. Bastos, J. Tedim, M. Zheludkevich, M.G.S. Ferreira, University of Aveiro/P
4731	14:50	Electrochemical and quantum chemical studies of some crown ethers as corrosion inhibitors for carbon steel in 1 M HCl solution <u>M. Lagrenée</u> , Université de Lille, Villeneuve d'Ascq/F; F. Bentiss, Université Chouaib Doukkali, El Jadida/MA; H. Vezin, Université de Lille, Villeneuve d'Ascq/F
9527	15:15	Quantum chemical study of some amino acids as corrosion inhibitors of copper <u>G. Gece</u> , S. Bilgic, Ankara University/TR
	15:40	Coffee Break
9629	16:15	Effect of volatile inhibitors structure and medium properties on hydrogen sulfide corrosion of steel equipment and pipelines R.V. Kashkovskiy, Yu.I. Kuznetsov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS; R.K. Vagapov, GAZPROM VNIIGAZ, Razvilka/RUS
9578	16:40	Inhibitors universality by the hydrosulphuric and carbon dioxide corrosion <u>L.E. Tsygankova</u> , A.I. Fedotova, K.O. Strelnikova, Tambov State Technical University/RUS
	17.05	WP 1 Business Meeting – 18:05

		Wednesday, 15 September 2010
		Cathodic Protection (WP 16)
9530	09:55	Cathodic protection effectiveness assessment by determining the soil corrosivity M. Barbalat, L. Lanarde, D. Caron, M. Meyer, GDF Suez, La Plaine Saint-Denis/F; P. Refait, University of La Rochelle/F; S. Fontaine, GRT Gaz, Compiègne/F; J. Vittonato, TOTAL, La Défense/F; F. Castillon, TIGF, Pau/F
9328	10:20	Methodology for evaluation of soil corrosivity in buried pipelines for different regions of Rio de Janeiro D.S. Freitas, National Institute of Technology, Rio de Janeiro/BR; S.L.D.C. Brasil, Federal University of Rio de Janeiro/BR; J.F.P. Coelho, J.H.L. Oliver, Petrobras, Rio de Janeiro/BR; F. Araujo, L.G. Lima, National Institute of Technology, Rio de Janeiro/BR
	10:45	Coffee Break
4698	11:20	Keynote Lecture New methods of ensuring integrity of TNK-BP field pipelines S.B. Kichenko, OJSC TNK-BP, Moscow/RUS; M.A. Petrulin, A.I. Marshakov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9145	12:10	Combined close interval potential surveys and direct current voltage surveys for increased pipeline integrity J. Nicholson, Cathodic Technology Limited, Bolton, ON/CDN
	12:35	Lunch Break
9248	14.00	The efficiency upgrading of the pipelines' cathodic protection N.P. Glazov, K.L. Shamshetdinov, CJSC VNIIST, Moscow/RUS; N.N. Glazov, A.V. Goncharov, Gazprom VNIIGAZ LLC, Moscow/RUS
	14:00	to be confirmed
4683	14:25	Some theoretical and practical developments in cathodic protection of underground municipal pipelines E.G. Kuznetsova, K.D. Panfilov Academy of Municipal Economy, Moscow/RUS
9523	14:50	Cathodic delamination: mechanisms, materials and testing protocols Z. Makama, J.R. Smith, I.B. Beech, University of Portsmouth/UK; M. Webb, I. Doble, D. Nicolson, PDM Neptec Limited, Alton/UK; S.A. Campbell, University of Portsmouth/UK

Wednesday, 15 September 2010		
Automotive Corrosion (WP 17)		
4764	09:55	Keynote Lecture Multi-level protection of materials for vehicles by "smart" nanocontainers - M U S T <u>M.L. Zheludkevich</u> , University of Aveiro/P; T. Hack, EADS Deutschland GmbH, Munich/D; C. Simon, SINTEF, Oslo/N
	10:45	Coffee Break
9452	11:20	Evaluation of durability of nano-silica containing clear coats for automotive applications <u>E. Scrinzi</u> , S. Rossi, University of Trento/I; P. Kamarchik, PPG Research Centre, Allison Park, PA/USA; F. Deflorian, University of Trento/I
4811	11:45	Pre-coated steel for improved corrosion protection at cut-edge, stone chip and in mixed metal constructions M. Roth, Henkel AG & Co. KGaA, Düsseldorf/D
9469	12:10	Ionic liquids as lubricants in industrial applications - new solutions for special applications <u>M. Ramunno</u> , B. Pohrer, N. Ebel, P. Wasserscheid, E. Schlücker, Universität Erlangen-Nürnberg, Erlangen/D
	12:35	Lunch Break
4763	14:00	Numerical analysis on galvanic corrosion of galvanized steel sheet <u>M. Matsumoto</u> , N. Okada, K. Nishihara, T. Kudo, Sumitomo Metal Industries Ltd., Hyogo/J
9543	14:25	Evaluation of the corrosion protection of coolants for combustion engines at elevated temperatures via electrochemical methods <u>T. Trossmann</u> , G. Andersohn, K. Eppel, C. Berger, Technische Universität Darmstadt/D
9304	14:50	Analysis of the reliability of the sea water acidified accelerated test (SWAAT) for aluminium brazing sheet <u>F. Norouzi Afshar</u> , M2i - Materials innovation institute, Delft/NL; E. Szala, A. Wittebrood, Corus Research Development and Technology, IJmuiden/NL; J.M.C. Mol, Delft University of Technology, Delft/NL; H. Terryn, M2i - Materials innovation institute, Delft/NL and Vrije Universiteit Brussel, Brussel/B; J.H.W. de Wit, Delft University of Technology, Delft/NL
9295	15:15	Comparison of the performance of standardized accelerated tests used or in development in the automotive industry <u>A. LeGac</u> , N. LeBozec, French Corrosion Institute, Brest/F
	15:40	Coffee Break
9504	16:15	Improvement of ENA NOCS technique using artificial neural network approach served for corrosion detection <u>M. Halama</u> , Technical University of Kosice/SK; D. Jerolitsch, Centre of Electrochemical Surface Technology, Wien/A; P. Linhardt, Vienna University of Technology/A; J. Zilkova, R. Dzedzina, Technical University of Kosice/SK
	17:05	WP 17 Business Meeting (around 1 hour)

Wednesday, 15 September 2010		
Corrosion of Steel in Concrete (WP 11)		
9568	09:55	Corrosion of steel reinforcement in concrete of different compressive strengths L. Aboosra, A.F. Ashour, M. Youseffi, University of Bradford/UK; A. Elhoud, University of Aberdeen/UK
9195	10:20	Steel corrosion resistance in model solutions, containing wastes D.A. Koleva, J. Hu, K. van Breugel, J.H.W. de Wit, J.M.C. Mol, Delft University of Technology/NL
	10:45	Coffee Break
4674	11:20	Comparative study of techniques to evaluate the corrosion state of rebars embedded in concrete E. Marie-Victoire, Laboratoire de Recherche des Monuments Historiques, Champs-sur-Marne/F; F. Vallot, Laboratoire Régional de l'Est Parisien, Vaux-le-Pénil/F; A. Proust, Euro Physical Acoustics, Sucy en Brie/F
9132	11:45	Corrosion behavior of reinforcing steel in concrete in high chloride and low pH environment T. Nishimura, National Institute for Materials Science, Tsukuba/J
9143	12:10	Early corrosion testing on concrete and the importance of the interpretation to provide long term preventive measures P.A. Noyce, Electro Tech CP LLC, Tequesta, FL/USA; G.L. Crevello, EChem Consultants LLC, Accord, NY/USA
	12:35	Lunch Break
9152	14:00	Non contacting corrosion method, NCCm, applied to the steel corrosion rate determination in different solutions and reinforced concrete specimens C. Andrade, I. Martinez, CSIC-Institute of Construction Science Eduardo Torroja, Madrid/E
9296	14:25	Determination of self-corrosion in the case of element corrosion of steel in concrete M. Beck, A. Faulhaber, B. Isecke, BAM - Federal Institute for Materials Research and Testing, Berlin/D
9324	14:50	Mathematical models of carbonation process (corrosion) in concrete subjected to aggressive carbon dioxide attack B.V. Gousev, V.F. Stepanova, Scientific R&D Institute for Concrete and Reinforced Concrete, Moscow/RUS
9343	15:15	Electrochemical behaviour of AISI 304 stainless steel in alkaline media simulating concrete - the effect of pH and chlorides M.F. Montemor, L. Freire, M.G.S. Ferreira, A.M.P. Simões, Instituto Superior Técnico, Lisbon/P; A. Catarino, I. Godinho, M.J. Ferreira, Instituto Superior de Engenharia de Lisboa/P; M.J. Carmezim, A.S. Castela, Instituto Politécnico de Setúbal/P
	15:40	Coffee Break

		Wednesday, 15 September 2010
		Corrosion of Steel in Concrete (WP 11)
9405	16:15	Investigations on the impact of decreasing chloride concentration on the corrosion state of reinforcing steel in alkaline environment T. Eichler, B. Isecke, BAM - Federal Institute for Materials Research and Testing, Berlin/D
9426	16:40	Electrochemical behaviour of galvanized steel for prestressed concrete structures in alkaline electrolytes I. Pepenar, Research Centre CERTINCON, Bucharest/RO
9471	17:05	Investigations into the critical corrosion inducing chloride content of steel in concrete J. Harnisch, RWTH Aachen University/D; A. Kenny, Israel Institute of Technology, Haifa/IL; M. Raupach, RWTH Aachen University/D
9492	17:30	Detectability of active corroding areas in reinforced concrete structures with potential mapping S. Keßler, C. Gehlen, Technische Universität München/D; K. Menzel, University of Stuttgart/D

		Wednesday, 15 September 2010
		Joint Workshop EFC-CEOCOR: Materials and Desinfection (WP 19 & WP 20 & CEOCOR, Section B)
4809	09:55	Effect of material and water quality on disinfection and risks of corrosion L. Rischel Hilbert, FORCE Technology, Broendby/DK; H.J. Albrechtsen, Technical University of Denmark, Lyngby/DK; A. Andersen FORCE Technology, Broendby/DK
	10:20	Electrochemical measurements to compare the corrosiveness of different electrolytically produced disinfection fluids W. Erning, BAM - Federal Institute for Materials Research and Testing, Berlin/D
	10:45	Coffee Break
4810	11:20	Principles of lifetime analysis for plastic pipes J. Heinemann, H. Haupt, A. Bockenheimer, C. Berger, Technische Universität Darmstadt/D
9171	11:45	Impacts of disinfection treatments in hot water distribution systems on pipe material durability J. Castillo Montes, O. Correc, Centre Scientifique et Technique du Bâtiment, Nantes/F; J. Creus, S. Touzain, University of La Rochelle/F; F. Derrien, Centre Scientifique et Technique du Bâtiment, Champs sur Marne/F; N. Berthelot, Anjou Recherche, Maisons-Laffitte/F
	12:10	Influence of disinfection on polymer piping systems R. Morach, INTERTEK Expert Services, Basel/CH
	12:35	Lunch Break
		Wednesday, 15 September 2010
		Corrosion & Corrosion Protection of Drinking Water Systems (WP 20)
9366	14:00	Influence of drinking water treatment processes on the pitting corrosion of copper pipes in domestic installations T. Jentzsch, A. Becker, U. Ruhrberg, IWW Water Centre, Mülheim/D
9525	14:25	Development of a test method for a fast and reproducible proof of the corrosion resistance of stainless steels in drinking water R. Feser, S. Pueckel, South Westphalia University of Applied Sciences, Iserlohn/D
9560	14:50	Investigation of an electrochemical non destructive technique to control the degradation of reinforced concrete pipes in drinking water distribution systems C. Marconnet, M. Djafer, Veolia Water, Nanterre/F; Y. Gourbeyre, Anjou Recherche, Maisons-Laffitte/F; J-M. Lucatelli, CAE Laboratoire Matériaux, Caen/F; S. Buttoudin, Veolia Water, Nanterre/F; V. Heim, Syndicat des Eaux d'Ile de France, Paris/F
9519	15:15	Galvanic corrosion of lead pipe after partial lead line replacements J. Hu, Delft University of Technology/NL; F. Gan, Wuhan Univeristy/PRC; C. Nguyen, M. Edwards, Virginia Polytechnic Institute and State University, Blacksburg, VA/USA
	15:40	Coffee Break

Wednesday, 15 September 2010		
Corrosion of Polymer Materials (WP 19)		
4691	16:15	Influence of residual stresses on lifetime prediction for plastic pipes J. Heinemann, H. Haupt, A. Bockenheimer, C. Berger, Technische Universität Darmstadt/D; R. Maria, R. Brüll, Deutsches Kunststoff-Institut, Darmstadt/D
9139	16:40	Comparison of the stress crack resistance of polyethylene grades with the test performance behaviour of packagings for the transport of dangerous goods M. Weltschey, U. Niebergall, BAM - Federal Institute for Materials Research and Testing, Berlin/D
9275	17:05	Influence of processing conditions and inner properties on the environmental stress cracking resistance of polycarbonate W. Michaeli, A. Potthoff, RWTH Aachen University/D
9529	17:30	FRP solutions for sodium hypochlorite service M. Jaeger, A. Van Buren, G. Kappenstein, Ashland Performance Materials, Kehl/D
4749	17:55	Internal pressure testing as a tool for life cycle management of piping systems R. Morach, G. Schlecht, INTERTEK Expert Services, Basel/CH

		Thursday, 16 September 2010
4760	9:00	Invited Plenary Lecture: The effects of air pollution and climate on materials including cultural heritage J. Tidblad, Swerea KIMAB AB, Stockholm/S
	9:45	Break for Changing the Lecture Hall
		Coatings (Pre-treatments / Self-healing) (WP 14)
9401	09:55	Electrochemical behaviour of ZrO₂ sol-gel pre-treatments doped with cerium nitrate on AA 6060 aluminium alloy L. Pausa, University of Udine/I; N.C. Rosero Navarro, Instituto de Ceramica y Vidrio, Madrid/E; F. Andreatta, D. Bravin, University of Udine/I; Y. Castro, M. Aparicio, A. Duran, Instituto de Ceramica y Vidrio, Madrid/E; <u>L. Fedrizzi</u> , University of Udine/I
9590	10:20	Effect of different surface preparations prior to painting on the corrosion behaviour and surface activity of mild steel <u>D. Mills</u> , S.S. Jamali, University of Northampton/UK
	10:45	Coffee Break
9652	11:20	The protective conversion coatings on AA 7075 aluminum alloy, obtained in alkaline converting solutions Yu.A. Kuzenkov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9392	11:45	Aluminium corrosion protection by silane-zeolite composite coatings <u>L. Calabrese</u> , L. Bonaccorsi, E. Proverbio, University of Messina/I
9311	12:10	Electrodeposited sol-gel coatings containing Ce-Ti nanocontainers loaded with inhibitors for the corrosion protection of AA 2024-T3 <u>E. Mekeridis</u> , G.C. Kordas, NCSR Demokritos, Aghia Paraskevi/GR
	12:35	Lunch Break
		Coatings (Self-healing) (WP 14)
9149	14:00	Influence of the nanocontainer distribution and loading on the performance of the nanocontainer-based self-healing coatings D. Shchukin, Max-Planck Institute of Colloids and Interfaces, Golm/D
9528	14:25	Self-healing protection of coatings with inhibitor-loaded mesoporous SiO₂ nanoparticles <u>D. De la Fuente</u> , J.M. Vega, B. Chico, N. Granizo, M. Morcillo, National Center for Metallurgical Research, Madrid/E
9561	14:50	In-situ ATR-FTIR and EIS studies of hidden aluminium / polymer interfaces with an intermediate silane film upon exposure to water and electrolyte <u>M. Öhman</u> , D. Persson, Swerea KIMAB, Stockholm/S
9284	15:15	A prospect for using mesoporous particles in corrosion protection <u>M. Walczak</u> , Pontificia Universidad Católica de Chile, Santiago/RCH; M. Rohwerder, Max-Planck Institut für Eisenforschung, Düsseldorf/D; F. Marlow, Institut für Kohlenforschung, Mülheim/D
	15:40	Coffee Break

		Thursday, 16 September 2010
		Coatings (Metallic) (WP 14)
9569	16:15	The effect of thermally interdiffused magnesium and aluminum on the kinetics of organic coating cathodic delamination from zinc (galvanized steel) H.N. McMurray, Z. Barrett, G. Williams, University of Swansea/UK
9258	16:40	Corrosion and mechanical behavior of mono- and multi-layer Al-based PVD coatings in NaCl solution A. Perez, University of La Rochelle/F; A. Billard, Université Technologique de Belfort Montbéliard/F; <u>S. Touzain</u> , J. Creus, University of La Rochelle/F
9565	17:05	Chemical vapor deposition of aluminum as a widely applicable technique for corrosion protection S. Oberhauser, InnCoa GmbH, Neustadt/D; B. Kuzmanovic, AkzoNobel, Deventer/NL; <u>I. Sieber</u> , J. Heller, InnCoa GmbH, Neustadt/D; A. Luttmmer, M. Zeitler, AkzoNobel, Deventer/NL; C. Strobl, University of Applied Sciences, Ingolstadt/D
9518	17:30	An investigation into the sacrificial corrosion protection of steel substrates by thermally sprayed alloy coatings <u>O.D. Lewis</u> , A.H. Jones, Sheffield Hallam University/UK; A. Hardman, London and Scandinavian Metallurgical Ltd, Rotherham/UK; C. Wheatley, CJ Wiretech Ltd, Llannon/UK

Thursday, 16 September 2010		
Corrosion Mechanisms & Methods (WP 6 & 8)		
9515	09:55	Effect of SMAT on corrosion properties of biomaterials S. Jelliti, C. Richard, University of Technology, Compiègne/F; D. Reirant, University of Technology, Troyes/F
9574	10:20	Influence of deformation on the corrosion behavior of biomedical alloys J.C.S. Fernandes, Instituto Superior Técnico, Lisbon/P; T.M. Silva, Instituto Superior Técnico, Lisbon/P and Instituto Superior de Engenharia de Lisboa/P; M.J. Carmezim, Instituto Superior Técnico, Lisbon/P and Instituto Politécnico de Setúbal/P
	10:45	Coffee Break
4686	11:20	Problem of phase transformations in the surface layer of homogeneous alloys at selective dissolution: thermodynamic, kinetic and corrosion aspects A. Vvedenskii, I. Marshakov, O. Kozaderov, Voronezh State University/RUS
4689	11:45	On the role of electron structure in corrosion-electrochemical behaviour of iron-based alloys O.V. Kasparova, Karpov Institute of Physical Chemistry, Moscow/RUS; Yu.V. Baldokhin, Semenov Institute of Chemical Physics (RAS), Moscow/RUS
4690	12:10	Mechanism of the protective PEO-layers formation and the corrosion process at the heterooxide structure/electrolyte interface S.V. Gnedkov, S.L. Sinebryukhov, Institute of Chemistry Far Eastern Branch (RAS), Vladivostok/RUS
	12:35	Lunch Break
9201	14:00	Rust morphology of low carbon steel in long term atmospheric exposures M. Morcillo Linares, I. Díaz, J. Simancas, D. de la Fuente, National Center for Metallurgical Research, Madrid/E
9279	14:25	Corrosion products formed on prepainted Zn55Al and hot dip galvanised steel upon long term atmospheric weathering conditions D. Thierry, French Corrosion Institute, Brest/F; D. Persson, Swerea KIMAB, Stockholm/S; N. LeBozec, French Corrosion Institute, Brest/F
9303	14:50	Passive layer stability of alloy 904L in high-purity water by means of electrochemical noise measurements H. Sarmiento Klapper, BAM - Federal Institute for Materials Research and Testing, Berlin/D; A. Heyn, University of Magdeburg/D; A. Burkert, BAM - Federal Institute for Materials Research and Testing, Berlin/D; J. Göllner, University of Magdeburg/D
9305	15:15	Corrosion behavior of high-alloyed materials in an artificial geothermal fluid at service conditions R. Bäßler, H. Sarmiento Klapper, A. Burkert, BAM - Federal Institute for Materials Research and Testing, Berlin/D
	15:40	Coffee Break

		Thursday, 16 September 2010
		Corrosion Mechanisms & Methods (WP 6 & 8)
9356	16:15	Corrosion protection of Zn-Al-Mg coated steel with and without plastic deformation in chloride containing environment S. Schuerz, University of Leoben/A; G.H. Luckeneder, M. Fleischanderl, A.E. Raab, voestalpine Stahl GmbH, Linz/A; G. Mori, University of Leoben/A
9451	16:40	Corrosion chemistry of galvanized steel in boric acid media W. Hoffmann, H. Kryk, F.-P. Weiß, Forschungszentrum Dresden-Rossendorf e.V./D
9533	17:05	The anodic dissolution of aluminum, zinc and 5% aluminum-zinc alloy in alkaline solution K. Ogle, V.T. Nam, M. Mokaddem, P. Volovitch, École Nationale Supérieure de Chimie de Paris/F

Thursday, 16 September 2010		
Joint EFC WP 13 / NACE Session on Corrosion Mechanisms and Corrosion Inhibition: Corrosion in Oil & Gas Production		
9644	09:55	Effect of oxygen and temperature on aqueous sour corrosion systems Y. Song, A. Palencscar, G. Svenningsen, Institute for Energy Technology, Kjeller/N; T. Hemmingsen, University of Stavanger/N; J. Kvarekvål, Institute for Energy Technology, Kjeller/N
4713	10:20	Local microelectrochemical approach to CO₂ corrosion measurements B. Brown, L. Huang, B. Kinsella, Ohio University, Athens, OH/USA; T.L. Ladwein, Aalen University of Applied Sciences/D; S. Nestic, Ohio University, Athens, OH/USA
	10:45	Coffee Break
9367	11:20	Key parameters influencing erosion corrosion of passive materials in a three phase flow T. Vogl, G. Mori, J. Haberl, University of Leoben/A; W. Havlik, OMV Exploration & Production GmbH, Gänserndorf/A; T. Schöberl, University of Leoben/A
9415	11:45	Study on corrosion process at sand-deposited surfaces in carbon dioxide media K. Lepkova, R. Gubner, Curtin University of Technology, Perth/AUS
9293	12:10	Acid gas removal by amine solvents: bridges between CO₂ capture and natural gas treatment J. Kittel, E. Fleury, S. Gonzalez, F. Ropital, Institut Français du Pétrole, Solaize/F
	12:35	Lunch Break
9154	14:00	The comprehensive program of measures for the guarantee of corrosion resistance of trade pipeline systems and technological equipment M. Getmansky, A. Emelyanov, LLC INTERCOR, Moscow/RUS; V. Melnikov, JSC Gazprom Neft Orenburg/RUS
9562	14:25	Sour corrosion: can inhibitors prevent corrosion and sulphide stress cracking? N. Bretherton, D. Donaldson, S. Moody, Champion Technologies Ltd, Aberdeen/UK
9567	14.50	"Effectiveness of the corrosion inhibitors for the petroleum production under various flow conditions" A.Y. Furman, M.A. Kharshan, B.M. Miksic, Cortec Corporation, White Bear Lake, MN/USA
9487	15:15	Corrosion inhibitor compatibility with others additives used in Oilfield T. Pou, ARKEMA/CECA, Pierre Benite/F
	15:40	Coffee Break

		Thursday, 16 September 2010
		Joint EFC WP 13 / NACE Session on Corrosion Mechanisms and Corrosion Inhibition:Corrosion in Oil & Gas Production
9308	16:15	Studying the effect of two corrosion inhibitors in reducing the corrosion rate of 1018 carbon steel petroleum pipelines in sea water O.R. Rihan, N.I. Al-Bakr, R.A. Shawabkeh, King Fahd University of Petroleum & Minerals, Dhahran/SAR
9369	16:40	Surface chemical characterization of environmentally acceptable polymeric corrosion inhibitors for oilfield use P.-E. Hellberg, AkzoNobel Surface Chemistry AB, Stenungsund/S
9241	17:05	Automated systems of complex corrosive monitoring and prospects of application of acoustic emission method in their structure V.G. Kharebov, INTERUNIS ltd, Moscow/RUS

Thursday, 16 September 2010		
Marine Corrosion (WP 9)		
9662	09:55	Environmental behavior and corrosion costs of naval aluminum alloys and ST52 in sea water ports A. Eliezer, Sami Shamoon College of Engineering, Beer-Sheva/IL; A. Garcia, B. Valdez, M. Schorr, Universidad Autonoma de Baja California, Mexicali/MEX; J. Haddad, Sami Shamoon College of Engineering, Beer-Sheva/IL
9173	10:20	Study of stress corrosion cracking of austenitic steels in seawater A.S. Oryshchenko, S.Y. Mushnikova, A.A. Kharkov, G.Y. Kalinin, FSUE Central Research Institute of Structural Materials "Prometey", St. Petersburg/RUS
	10:45	Coffee Break
9290	11:20	An optional material selection for plate heat exchangers S. Wigen, H. Osvoll, FORCE Technology Norway AS, Trondheim/N; J. Anehamre, Alfa Laval Lund AB/S
9404	11:45	Seawater piping systems: evaluation of galvanic couplings by use of computer modelling and comparisons to experimental results A. Grolleau, H. Le Guyader, V. Debout, N. Dolignon, DCNS Cherbourg NA, Cherbourg-Octeville/F; J.P. Pautasso, J. Blanc, DGA/DT, Bagneux/F
9602	12:10	Study of Al alloy corrosion in neutral NaCl by the pitting scan technique M. Trueba, S.P. Trasatti, Università degli Studi di Milano/I
	12:35	Lunch Break
Marine Corrosion / Maritime (WP 9)		
9433	14:00	Corrosion issues with duplex stainless steels for marine chemical tankers and storage tanks E. Johansson, C. Canderyd, R. Pettersson, Outokumpu, Avesta/S
9489	14:25	Susceptibility of epoxy coatings to microbial influenced degradation A. Heyer, M2i - Materials innovation institute, Delft/NL; G.M. Ferrari, F. D'Souza, TNO Science and Industry, Den Helder/NL; H. Bakuwel, Defence Materiel Organisation, Royal Netherland Navy, Den Helder/NL; J.M.C. Mol, J.H.W. de Wit, Delft University of Technology/NL
9297	14:50	Using adhesive film as corrosion protection in maritime industry S. Marion, Det Norske Veritas AS, Hoevik/N; F. Turcu, Det Norske Veritas AS, Bergen/N; A. Bjørgum, SINTEF Materials and Chemistry, Trondheim/N
9591	15:15	Characterization of different anticorrosive protection systems on AA 5083 applied to marine construction I.N. Alves, C. Brites, M.J. Marques, A.S. Vieira, R.P. Gonçalves, M.R. Costa, M.T. Santos, T.C. Diamantino, Laboratório Nacional de Energia e Geologia, Lisbon/P
	15:40	Coffee Break

		Thursday, 16 September 2010
		Marine Corrosion / Maritime (WP 9)
16:15		Panel Discussion: Future needs of corrosion legislation in Maritime
16:40		U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S D. Doyle, NACE International, Houston, TX/USA G. Ferrari, TNO Science and Industry, Den Helder/NL
17:05		V. Karpov, N. Severtsov Institute of Ecology and Evolution (RAS), Moscow/RUS A.-M. Grolleau, DCNS Cherbourg NA, Cherbourg-Octeville/F

Thursday, 16 September 2010		
Corrosion of Archaeological and Heritage Artefacts: from Mechanism Studies to Conservation Strategies (WP 21)		
4669	09:55	Alternative coatings for stabilization of iron archaeological artefacts <u>J. Stoullil</u> , E. Krecanova, T. Jamborova, R. Mundil, Institute of Chemical Technology, Prague/CZ
4678	10:20	Contribution of VIAM to restoration of V.I. Mukhina's sculpture "Worker and collective farmer " <u>S.A. Karimova</u> , V.Ya. Belous, A.D. Zhirnov, Russian Institute of Aviation Materials, Moscow/RUS
	10:45	Coffee Break
9254	11:20	Enrichment of silver at the gold layer of gilt silver embroidery wires of qaaba curtains G. Simsek, <u>A.F. Cakir</u> , Istanbul Technical University/TR
9329	11:45	Non-invasive assessment of the corrosion behaviour of precious artefacts displayed in museum showcases <u>E. Angelini</u> , S. Corbellini, S. Grassini, Y. Mao, M. Parvis, M. Piantanida, Politecnico di Torino/I
9379	12:10	Some corrosion issues in ancient Chinese Cu-based coins - influence of minor elements in corrosion susceptibility <u>M.J. Furtado</u> , R.J.C. Silva, Universidade Nova de Lisboa, Caparica/P; M.F. Araújo, Instituto Tecnológico e Nuclear, Sacavém/P; F.M. Braz Fernandes, Universidade Nova de Lisboa, Caparica/P
	12:35	Lunch Break
9566	14:00	Analytical approaches for corrosion investigation and conservation of copper-based artifacts in Egypt <u>N. Abdel Ghany</u> , V.K. Gouda, National Research Centre, Cairo/ET
9572	14:25	Studying the mechanisms of long-term atmospheric corrosion of steel: new strategies for protection of cultural heritage artefacts <u>H. Faiz</u> , Institut Rayonnement Matière Saclay, Gif-sur-Yvette/F and Université Henri Poincaré, Nancy/F; E. Rocca, Université Henri Poincaré, Nancy/F; P. Dillmann, Institut Rayonnement Matière Saclay, Gif-sur-Yvette/F and LMC IRAMAT, Paris/F; F. Mirambet, Ministère de la Culture-CNRS, Paris/F; E. Burger, D. Neff, Institut Rayonnement Matière Saclay, Gif-sur-Yvette/F
9606	14:50	In-situ monitoring by μXRD and μXAS of the corrosion products' evolution on ferrous archaeological artefacts during a dechlorination treatment <u>F. Kergourlay</u> , CEA Saclay, Gif sur Yvette/F; S. Reguer, Synchrotron SOLEIL, Gif sur Yvette/F; D. Neff, E. Foy, CEA Saclay, Gif sur Yvette/F; F. Mirambet, C2RMF, Paris/F; E. Guilminot, Arc'Antique, Nantes/F; C. Rémazeilles, P. Refait, LEMMA, La Rochelle/F; P. Dillmann, CEA Saclay, Gif sur Yvette/F
9610	15:15	Modelling the corrosion of chloride infested archaeological iron: what can it tell us about corrosion rate of real objects? D.E. Watkinson, Cardiff University/UK

		Thursday, 16 September 2010
		Corrosion of Archaeological and Heritage Artefacts: from Mechanism Studies to Conservation Strategies (WP 21)
	15:40	Coffee Break
9626	16:15	An electrochemical impedance spectroscopy system for the in-situ assessment of the conservation state of archaeological bronzes <u>E. Angelini</u> , S. Corbellini, S. Grassini, M. Parvis, M. Piantanida, Politecnico di Torino/I
9676	16:40	Real time corrosion monitoring system for protection of cultural heritage <u>M. Kouril</u> , Institute of Chemical Technology, Prague/CZ; T. Prosek, Institut de la Corrosion, Brest/F; B. Scheffel, Fraunhofer Institute for Electron Beam and Plasma Technology, Dresden/D; J. Stouilil, Institute of Chemical Technology, Prague/CZ; Y. Degres, nke SA, Hennebont/F
4721	17:05	Efficiency and durability of copper alloys sculptures protection products <u>A. Texier</u> , Laboratoire de Recherche des Monuments Historiques, Champs-sur-Marne/F; M. Bach, H. Pelletier, Institut National des Sciences Appliquées, Strasbourg/F
9627	17:30	Environmental degradation studies on some ancient metallic artifacts of Jiroft civilization (3 millennium BC) <u>M. Saremi</u> , University of Tehran/IR; M. Bakhshandehfar, A. Soltaninejad, University of Art, Tehran/IR

Thursday, 16 September 2010		
Corrosion and Scale Inhibition (WP 1)		
9147	09:55	Cu(II), Co(II) and Ni(II) complexes of -Br and -OCH₂CH₃ substituted Schiff bases as corrosion inhibitors for aluminium in acidic media A. Aytac, Gazi University, Ankara/TR
9424	10:20	Corrosion inhibition by environmental friendly sodium metavanadate-spirulina system V. Sribharathy, Madurai Kamraj University, Dindigul/IND; S. Rajendran, Taminadu Teachers Education University, Chennai, Thogamalai/IND
	10:45	Coffee Break
9427	11:20	Influence of henna extract on the inhibition efficiency of Diethylenetriaminepentamethylene Phosphonic acid-Zn²⁺ System B. Shyamala Devi, Anna University, Coimbatore, Tiruchengode/IND; S. Rajendran, Taminadu Teachers Education University, Chennai, Thogamalai/IND
9506	11:45	Corrosion inhibition by an aqueous extract of turmeric powder - (curcuma longa l) - a medicinal plant V. Saravanakumar, Rajasthan Drugs and Pharmaceuticals Ltd. Jaipur, Rajasthan/IND; S. Rajendran, Servite College of Education for Women, Thogamalai/IND
9166	12:10	Inhibition corrosion of mild steel by liquorices M. Koolivand-Salooki, M. Peykari, Petroleum University of Technology, Ahwaz/IR; A.R. Kiani-Rashid, Ferdowsi University of Mashhad/IR
	12:35	Lunch Break

Thursday, 16 September 2010		
Microbial Corrosion (WP 10)		
9232	14:00	Keynote Lecture Tubercles and localized corrosion on carbon steel R.I. Ray, J.S. Lee, <u>B.J. Little</u> , Naval Research Laboratory, Stennis Space Center, MS/USA
9179	14:50	Menace of micro biological corrosion in hydrostatic testing D. Mankar, Bechtel Corporation, Houston, TX/USA
9447	15:15	Electrochemical studies on corrosion of pure copper influenced by <i>desulfovibrio</i> sp <u>M. Onan</u> , Yildiz Technical University, Istanbul/TR; E. Ilhan-Sungur, Istanbul University/TR; N. Cansever, Yildiz Technical University, Istanbul/TR; N. Dogruöz, A. Çotuk, Istanbul University/TR
	15:40	Coffee Break
9458	16:15	A study of electron transfer processes through biofilms in marine environments <u>A. Heyer</u> , M2i - Materials innovation institute, Delft/NL; F. D'Souza, G. Ferrari, TNO Science and Industry, Den Helder/NL; J.M.C. Mol, J.H.W. de Wit, Delft University of Technology/NL
9557	16:40	Mitigation of biofouling and microbial induced corrosion using non-biocidal, sol-gel coatings <u>R. Akid</u> , J. Gittens, H. Wang, T.J. Smith, D. Greenfield, Sheffield Hallam University/UK
4716	17:05	Physicochemical aspects of microorganisms interaction with passive films on the alloys I.A. Beleneva, A.V. Zhirmunsky Institute of Marine Biology FEB (RAS), Vladivostok/RUS; <u>U.V. Kharchenko</u> , Institute of Chemistry FEB (RAS), Vladivostok/RUS; V.A. Karpov, A.N. Severtzov Institute of Ecology and Evolution (RAS), Moscow/RUS
4727	17:30	Reactive oxygen species in corrosion of metals <u>M.V. Chelnokova</u> , D.V. Belov, T.N. Sokolova, Nizhni Novgorod State Technical University of R.Y. Alekseev/RUS; V.P. Smirnov, Nizhni Novgorod State University of N.I.Lobachevsky/RUS; V.R. Kartashov, Nizhni Novgorod State Technical University of R.Y. Alekseev/RUS

Thursday, 16 September 2010		
Cathodic Protection (WP 16)		
9476	09:55	Evaluation and mitigation of AC interference in dense right of ways: a PEMEX experience J. César Sanchez Torres, PEMEX, México D.F./MEX
9206	10:20	Cathodic protection of LPG mounded vessels - specific solutions for particular problems O. Fumei, <u>L. Di Biase</u> , R. Cigna, Isproma, Rome/I; A. Al Humaid, Y.I.M. Riad, GASCO, Riyadh/SAR
	10:45	Coffee Break
9555	11:20	Lightning protection for petroleum and gas plants - new EMC System solutions <u>D. Soleil</u> , EMCS Engineering, Senas/F; A. Alcaras, Thales Communications, Cholet/F; P. Le Ho, CCTA, Toulouse/F; G. Zeigler, SPGS, Inc, Mansfield, OH/USA; P. Lambert, TRAPIL, Paris/F
4679	11:45	New aspects of expanded constructions cathodic protection A.V. Timonin, V.F. Sinko, <u>V.A. Timonin</u> , Russia Scientific and Research Institute of Corrosion, Moscow/RUS
9587	12:10	Corrosion behavior and mechanical properties of 316 stainless steels under cathodic protection in 3.5% NaCl solution <u>F. Hedaiaf</u> , Azad University, Behbahan - Khuzestan/IR; T. Shahrabi, Tarbiat Modares University, Tehran/IR
	12:35	Lunch Break
9641	14:00	Modern conception of the complex corrosion diagnostics for underground pipelines and tanks V.V. Pritula, JSC VNIIST, Moscow/RUS
9272	14:25	The influence of cathodic protection time gaps on pipe wall of gas main corrosion condition under insulating coating disbondment <u>N.K. Shamshetdinova</u> , Gazprom VNIIGAZ LLC, Moscow/RUS; N.A. Petrov, Gazprom Gaznadzor, Ltd., Moscow/RUS
9396	14:50	Coatings performance from the X100 field trial <u>A. Jadoon</u> , BP Exploration and Production Technology, Sunbury/UK; I. Thompson, GL Industrial Services, Loughborough/UK
9197	15:15	Evaluation and modeling of cathodic disbonding of high solid thick polyurethane pipeline using electrochemical impedance spectroscopy(EIS) J. Neshati, Research Institute of Petroleum Industry, Tehran/IR; <u>F. Akvan</u> , Islamic Azad University –North, Tehran/IR; J. Mofidi, Islamic Azad University, Tehran/IR
	15:40	Coffee Break

		Thursday, 16 September 2010
		Joint Session: Cathodic Protection in Concrete
9592	16:15	Design of a cathodic protection system for a refurbished jetty R. Tanner, J. La Fontaine, M. Surkein, ExxonMobil Development Company, Houston, TX/USA; J. Preston, Corrosion Prevention Limited, Hednesford/UK
9522	16:40	Numerical evaluation of chloride migration caused by cathodic protection of RC-structures C. Helm, M. Raupach, C. Wolf, RWTH Aachen University/D
9138	17:05	Investigating the effect of Interrupted Cathodic Protection on reinforced concrete structures C. Christodoulou, G. Glass, J. Webb, AECOM Europe, Birmingham/UK; S. Austin, C. Goodier, Loughborough University/UK
9231	17:30	Sacrificial galvanic coating for corrosion protection of metal reinforcement embedded in concrete A. Hansen, A. Furman, M. Hansen, A. Green, Cortec Corporation, White Bear Lake, MN/USA

Thursday, 16 September 2010		
Nuclear Corrosion (WP 4)		
9199	09:55	Stress corrosion cracking of alloy 600 in secondary water of PWRs H. Kim, D. Kim, S. Kim, S. Hwang, Y. Lim, J. Kim, Korea Atomic Energy Research Institute, Daejeon/ROK
9645	10:20	Understanding of corrosion mechanisms of hydrided zirconium alloys during oxidation in PWR conditions C. Bisor-Melloul, <u>M. Tupin</u> , P. Bossis, J. Chene, J.L. Béchade, CEA/Saclay, Gif-sur-Yvette/F; F. Jomard, CNRS, Meudon/F; A. Motta, Pennsylvania State University, University Park, PA/USA
	10:45	Coffee Break
	11:20	
4725	11:45	Application of polymer coatings for repair and restore of heat-exchange equipment in power engineering N.V. Pechnikov, R&D ROCOR Ltd, Moscow/RUS; <u>V.A. Golovin</u> , A.B. Ilin, V.A. Shchelkov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9455	12:10	Development of new kind of corrosion protection coatings in lead at temperature of 500°C <u>M. Utili</u> , ENEA, Camugnano/I; R. Scarfiello, Università di Bologna/I; A. Gessi, P. Agostini, ENEA, Camugnano/I
	12:35	Lunch Break
4707	14:00	Keynote Lecture Electrochemical study of uranium metal corrosion and dissolution in neutral solutions and nitric acid based electrolytes <u>A.G. Maslennikov</u> , V.F. Peretrukhin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
4708	14:50	Corrosion of ²³⁸Pu and ²³⁹Pu metals in contact with air <u>V.F. Peretrukhin</u> , A.G. Maslennikov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
4709	15:15	A method for determining safe concentrations of chloride ions in pitting corrosion of steels in nitrate media V.P. Rasygraev, M.V. Lebedeva, <u>A.I. Shcherbakov</u> , A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
	15:40	Coffee Break
9436	16:15	Corrosion experiments of reference steels in flowing LBE and Pb <u>A. Gessi</u> , ENEA, Camugnano/I; M. Paglio, Politecnico di Torino/I; M. Agostini, P. Agostini, ENEA, Camugnano/I
9309	16:40	Oil fuel based protective liquids application in tanks of hot water-supply <u>I.R. Tatur</u> , Y.A. Musalov, D.V. Sharafutdinova, B.P. Tonkonogov, Gubkin Russian State University of Oil & Gas, Moscow/RUS
9467	17:05	Ageing experiment of iron with marker in climatic chamber in order to achieve long term atmospheric corrosion prediction <u>E. Burger</u> , M. Féart, S. Perrin, D. Neff, P. Dillmann, CEA Saclay, Gif-sur-Yvette/F
	17:30	WP News

		Thursday, 16 September 2010
		Corrosion of Steel in Concrete (WP 11)
9507	09:55	Efficiency of concrete coatings to control chloride induced corrosion of rebars F. Bolzoni, <u>A. Brenna</u> , M. Ormellese, Politecnico di Milano/I
9521	10:20	The influence of admixed nano-aggregates on corrosion performance of reinforced mortar <u>J. Hu</u> , D. Koleva, K. van Breugel, J. Mol, J. de Wit, Delft University of Technology/NL
	10:45	Coffee Break
9501	11:20	An experimental and numerical analysis of the cracking processes due to corrosion in a reinforced concrete beam B. Richard, M. Quiertant, V. Bouteiller, <u>L. Adelaïde</u> , M. Perrais, J.L. Tailhan, French Public Works Laboratory, Paris/F; C. Cremona, MEEDDM, Paris-La Défense/F
9246	11:45	Physicochemical principles for the creation of migrating corrosion inhibitors <u>N.N. Andreev</u> , E.V. Starovoytova, I.A. Gedvillo, A.S. Zhmakina, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9222	12:10	Inhibition of rebar corrosion in chloride polluted carbonated concrete by two specific inhibitors <u>A. Frignani</u> , C. Monticelli, A. Balbo, D. Gelli, F. Zucchi, University of Ferrara/I
	12:35	Lunch Break

Thursday, 16 September 2010		
Workshop on Nanotechnologies		
9617	14:00	Oxidation/corrosion resistance of nanocrystalline vis-a-vis microcrystalline Fe-Cr alloys R. Gupta, <u>R. Singh</u> , Monash University, Melbourne/AUS; C.C. Koch, North Carolina State University, Raleigh, NC/USA
9473	14:25	Triggered release of intercalated organic inhibitors from layered double hydroxide nanocontainers: a systematic study J. Tedim, A. Kuznetsova, S. Kallip, A. Salak, <u>M.L. Zheludkevich</u> , M.G.S. Ferreira, University of Aveiro/P
9643	14:50	Nanotechnologies fighting against corrosion and other complications in extraction and transportation of water-cut oil <u>D.E. Bugay</u> , R. Akhiyarov, Ufa State Petroleum Technological University/RUS; A. Laptev, JSC "Company Nalko", Moscow/RUS
9249	15:15	Physical and chemical properties of the oxides formed at the surface of liquid metallic alloys A.N. Khodan, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
	15:40	Coffee Break
4694	16:15	Interrelation of surface composition and corrosion behavior of nanosized multicomponent cathodic catalysts for fuel cells <u>M.R. Tarasevich</u> , V.A. Bogdanovskaya, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9210	16:40	Antiscale plasma electrolytic oxidation coatings <u>A.N. Minaev</u> , S.V. Gnedenkov, S.L. Sinebryukhov, D.V. Mashtalar, Institute of Chemistry FEB (RAS), Vladivostok/RUS

Thursday, 16 September 2010		
Workshop: Standards and Regulations in Corrosion Protection of Oil and Gas Production Equipment and Pipelines		
9656	09:55	Requirements to corrosion-resistant products A.P. Shalin, Certification Centre CONTSTAND, Moscow/RUS
9657	10:20	Standard costs of corrosion management and sustaining of pipelines operability I.S. Sivokon, OJSC TNK-BP, Moscow/RUS
	10:45	Coffee Break
9670	11:20	Alteration of physico-mechanical properties of sealing composite materials at influence of excited environments, characteristic for oil-and-gas branch <u>Y.S. Ryabets</u> , N.V. Sorokina, V.G. Antonov, Gazprom VNIIGAZ LLC, Moscow/RUS
9503	11:45	Hydrogen charging of carbon and low alloy steel by electrochemical methods F. Bolzoni, Politecnico di Milano/I; P. Fassina, ENI SpA, San Donato/I; G. Fumagalli, <u>L. Lazzari</u> , Politecnico di Milano/I
4733	12:10	Comparison of two methods for determination of pipeline steel resistance to SSC according to NACE standard TM0177-2005 <u>P. Jonšta</u> , Technical University of Ostrava, Ostrava - Poruba/CZ; K. Matocha, RESEARCH & DEVELOPMENT Ltd, Ostrava/CZ
	12:35	Lunch Break
	14:00	to be confirmed
	14:25	to be confirmed
	14:50	to be confirmed
	15:15	to be confirmed

		Friday, 17 September 2010
	9:00	Invited Plenary Lecture: Composite polymer protective coatings for use in aggressive media V.A. Golovin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
	9:45	Break for Changing the Lecture Hall
		Coatings (Metallic) (WP 14)
9667	09:55	Corrosion of tantalum coated construction materials for water electrolyzers in concentrated phosphoric acid <u>M. Kouril</u> , Institute of Chemical Technology, Prague/CZ; E. Christensen, Technical University of Denmark, Copenhagen/DK; S. Eriksen, B. Gillesberg, Tantaline, Nordborg/DK
9301	10:20	Corrosion resistance of Zn/Co alloy coated carbon steel J.M. Falcón, A.C. Neiva, <u>I.V. Aoki</u> , University of São Paulo/BR
9494	10:45	Influence of silicon and magnesium on the corrosion behaviour of hot dip aluminium coatings on steel <u>I. Schoukens</u> , I. De Graeve, Vrije Universiteit Brussel/B; F. Horzenberger, OCAS, Zelzate/B; H. Terryn, Vrije Universiteit Brussel/B
	11:10	Coffee Break
9482	11:45	Electrochemical preparation and characterization of Ni/Al₂O₃ functionally graded coatings <u>E. García-Lecina</u> , I. García-Urrutia, J.A. Díez, Fundación Cidetec, San Sebastián/E; F. Smeacetto, Politecnico di Torino/I; G. Gautier, CNRS-ISTEC, Torino/I
9450	12:10	Corrosion resistance of Ni/SiC and Ni/Al₂O₃ nanocomposites electrodeposited under ultrasonic vibrations <u>C. Zanella</u> , M. Lekka, P.L. Bonora, S. Rossi, University of Trento/I
9288	12:35	Potentiostatic current transients at electrochemical nucleation Y.D. Gamburg, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9497	13:00	Tantalum surface alloys: next generation of corrosion protection S. Eriksen, Tantaline A/S, Nordborg/DK
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

		Friday, 17 September 2010
		Corrosion Mechanisms & Methods (WP 6 & 8)
9398	09:55	Influence of chromium and vanadium grain-growth inhibitors on the corrosion behavior of WC-Co hardmetals F. Kellner, E. Spiecker, S. Virtanen, Universität Erlangen-Nürnberg, Erlangen/D
9553	10:20	Influence of metallurgical parameters on electrochemical behaviour of electrodeposited nickel coatings A. Godon, J. Creus, X. Feaugas, C. Savall, University of La Rochelle/F
4688	10:45	The causes of electrochemical corrosion of phase homogeneous and heterogeneous iron-chromium alloys I.I. Reformatskaya, A.N. Podobaev, Karpov Institute of Physical Chemistry, Moscow/RUS
	11:10	Coffee Break
9432	11:45	Silicon dissolution under negative and positive polarizations in HF free media D. Starosvetsky, T. Zaid, Y. Ein-Eli, Technion-Israel Institute of Technology, Haifa/IL
4705	12:10	Thermodynamic calculation of the Flade potential of metals Fe, Ni and Cr taking account of their surface Gibbs energy Yu.Ya. Andreev, Moscow Institute of Steel and Alloys, Moscow/RUS
4712	12:35	Mutual influence of simultaneously proceeding electrode reactions: from competitive adsorption to thermodynamic coupling I.D. Zartsyn, Voronezh State University/RUS
9123	13:00	Kinetics and mechanism of nanoobjects formation on single crystal electrodes A.I. Danilov, E.B. Molodkina, A.A. Rybin, R.G. Fedorov, M.R. Ehrenburg, Yu.M. Polukarov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

		Friday, 17 September 2010
		Corrosion in Oil & Gas Production (WP 13)
9342	09:55	Research of corrosion activity and efficiency of protection of the Oil & Gas producing equipment of JV Vietsovetro L.C. Thuy, A.L. Bushkovskiy, N.T. Khang, T.N. Gallyamov, Vietsovetro, Vung Tau/VN
9669	10:20	Fighting against corrosion in oil and gas complex of Russia: problems and the ways of their solving A. Laptev, OJSC Company Nalko, Moscow/RUS; <u>D.E. Bugay</u> , Ufa State Petroleum Technological University/RUS
9671	10:45	Corrosivity of the produced fluids with regard to equipment and pipelines in oil and gas industries R.K. Vagapov, Gazprom VNIIGAZ LLC, Razvilka/RUS
	11:10	Coffee Break
9583	11:45	Pipeline integrity management plan against corrosion failures - evaluation of pipeline corrosion mechanisms <u>A. Bueno</u> , Universidade Federal de São João Del Rei/BR; J. Ponciano, Universidade Federal do Rio de Janeiro/BR
9663	12:10	Corrosion monitoring system A.G. Gumerov, L.P. Khudyakova, Y.G. Rozdestvensky, A.T. Faritov, State Company Institute for Power Resources Transportation, Ufa/RUS
4684	12:35	Modern trunk pipeline in-line diagnostics technologies to detect corrosion-related defects V.A. Kanaykin, ZAO NPO Spetsneftegaz, Moscow/RUS; <u>O.I. Steklov</u> , Gubkin Russian State University of Oil & Gas, Moscow/RUS
9655	13:00	Forecasting of the lifecycle of gas pipeline section with the corrosion defects V.V. Kharionovsky, Gazprom VNIIGAZ LLC, Razvilka/RUS
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

		Friday, 17 September 2010
		Workshop on Corrosion in Natural Environments
9673	09:55	Monitoring of external corrosion of underground steel pipelines <u>A.I. Marshakov</u> , M.A. Petrunin, V.E. Ignatenko, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9227	10:20	Corrosion behaviour of Mg/Al alloys in humid and saline atmospheres R. Arrabal, A. Pardo, M.C. Merino, P. Casajús, M. Mohedano, Universidad Complutense de Madrid/E; S. Merino, Universidad Alfonso X el Sabio, Madrid/E; E. Matykina, Centro Nacional de Investigaciones Metalúrgicas, Madrid/E
4696	10:45	The protection effect mechanism of the metallic aluminium coat in the humid tropical climate I. L. Kharina, CNIITMASH, Moscow/RUS; <u>R.A. Tupikov</u> , GIDROPRESS, Podolsk/RUS
	11:10	Coffee Break
9480	11:45	Effects of geomagnetic disturbances on pipelines Ya. Sakharov, Polar Geophysical Institute, Apatity/RUS
9596	12:10	The carbonaceous steel and copper protection in atmosphere with the high SO₂ content impact conditions <u>N.V. Schel</u> , O.G. Chetyrina, A.Y. Osetrov, Tambov State Technical University/RUS
9418	12:35	Corrosion fatigue of AZ91C Magnesium Alloy in aqueous solutions <u>M. Shoeib</u> , Central Metallurgical Research & Development Institute, Cairo/ET; M. Aldarwish, Y. Barakat, Tebbin Institute for Metallurgical Studies (TIMS), Cairo/ET
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

		Friday, 17 September 2010
		Tribocorrosion (WP 18)
9156	09:55	Methods of detecting hydrogen stress corrosion cracking and its protection in tribochemical environments <u>X. Zhou</u> , B. Han, SKF Engineering and Research Centre, Nieuwegein/NL
9245	10:20	Wear, erosion- and corrosion-resistant coatings for extreme applications of oil-gas industry <u>Yu.V. Lakhotkin</u> , V.P. Kouzmin, V.L. Goncharov, V.V. Dushik, N.V. Rozhanskii, T.V. Rybkina, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
9299	10:45	Tribocorrosion properties of PM duplex stainless steel <u>F. Martín</u> , C. García, Y. Blanco, University of Valladolid/E
	11:10	Coffee Break
9332	11:45	Corrosion and tribocorrosion behaviour of thermally sprayed ceramic coatings on steel <u>C. Monticelli</u> , A. Balbo, F. Zucchi, University of Ferrara/I
9460	12:10	Corrosion and tribocorrosion of electrodeposited CoW-WC nanocomposite coatings <u>S.K. Ghosh</u> , J.P. Celis, Katholieke Universiteit Leuven/B
9512	12:35	Tribocorrosion behaviour of ferritic and ferritomartensitic stainless steels N. Mary, <u>B. Normand</u> , Université de Lyon, Villeurbanne/F; L. Peguet, Arcelor Mittal Stainless Europe Research Center, Isbergues/F
9581	13:00	Influence of the carbon content on the tribocorrosion performance of DLC coatings for artificial joints <u>R. Bayon</u> , A. Igartua, X. Fernandez, U. Ruiz de Gopegui, Fundación Tekniker, Eibar/E
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

		Friday, 17 September 2010
		Microbial Corrosion (WP 10)
9318	09:55	Keynote Lecture A new model for microbiologically influenced corrosion H. Venzlaff, Max-Planck-Institut für Eisenforschung, Düsseldorf/D and Johannes Kepler University, Linz/A; D. Enning, F. Widdel, Max-Planck-Institut für Marine Mikrobiologie, Bremen/D; M. Stratmann, Max-Planck-Institut für Eisenforschung, Düsseldorf/D; A.W. Hassel, Johannes Kepler University, Linz/A
9406	10:45	A predictive model for microbiologically influenced corrosion in oilfield pipelines P. Smith, S. Roy, D. Swailes, Newcastle University/UK; J. Lawsom, D. Page, Chevron Upstream Europe, Aberdeen/UK; <u>S. Maxwell</u> , Intertek Commercial Microbiology, Aberdeen/UK
	11:10	Coffee Break
9593	11:45	Characterization of biofilm/deposit complexes associated with Microbiologically Influenced Corrosion (MIC) in European harbours F. Marty, Delft University of Technology/NL; J.M. Sánchez-Amaya, Titania, Ensayos y Proyectos Industriales, Puerto de Santa María/E; E. İlhan-Sungur, Istanbul University/TR; H. Gueuné, CORRODYS, Cherbourg/F; F.J. Botana, Universidad de Cádiz, Puerto Real/E; M. van Loosdrecht, G. Muyzer, Delft University of Technology/NL
4717	12:10	Influence of microfouling on sea corrosion and destruction of sheetings <u>V.A. Karpov</u> , J.L. Kovalchuk, A.N. Severtsov Institute of Ecology and Evolution (RAS), Moscow/RUS; U.V. Kharchenko, Institute of Chemistry FEB (RAS), Vladivostok/RUS; I.A. Beleneva, A.V. Zhirmunsky Institute of Marine Biology FEB (RAS), Vladivostok/RUS
4719	12:35	Biological corrosion of the metals applied in the atomic power station G.V. Zhdanova, <u>J.L. Kovalchuk</u> , A.N. Severtsov Institute of Ecology and Evolution (RAS), Moscow/RUS
4720	13:00	Consequences of biodeteriorations of objects of an infrastructure and engineering structural materials in the metropolis <u>V.A. Krylenkov</u> , St. Petersburg State University/RUS; O.P. Poltarukha, A.N. Severtsov Institute of Ecology and Evolution (RAS), Moscow/RUS
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

		Friday, 17 September 2010
		Joint Session: Local Microprobes to Study Surface Treatments and Coatings Produced by Nanotechnologies (WP 6 & WP 8 & WP 14)
4729	09:55	Electrochemical deposition of copolymers in titania nanotube layers T. Djenizian, N. A. Kyeremateng, I. Hanzu, F. Vacandio, P. Knauth, University of Provence, Marseille/F
9462	10:20	Influence of metallic coated steel pre-treatment on the cut-edge corrosion studied by local electrochemical techniques A. Alvarez-Pampliega, Vrije Universiteit Brussel/B; M. Madani, J. Wielant, J. Gonzalez, F. Hörzenberger, ArcelorMittal R&D Industry Gent, Zelzate/B; E. Tourwe, H. Terryn, Vrije Universiteit Brussel/B
9341	10:45	The use of spatially resolved electrochemical tools to assess self-healing ability in small defects formed on coated galvanised steel D. Snihirova, M. Taryba, S. Lamaka, M.F. Montemor, Instituto Superior Técnico, Lisbon/P; W.K. Wijting, G. Grundmeier, University of Paderborn/D
	11:10	Coffee Break
9386	11:45	In situ SKP probing of zinc-epoxy interphase A. Nazarov, D. Thierry, French Corrosion Institute, Brest/F; P. Volovitch, K. Ogle, École Nationale Supérieure de Chimie de Paris/F
9400	12:10	Study of the effect of cerium nitrate on AA 2024-T3 by means of electrochemical micro-cell technique L. Paussa, F. Andreatta, University of Udine/I; C.N. Rosero Navarro, M. Aparicio, A. Duran, Instituto de Ceramica y Vidrio, Madrid/E; L. Fedrizzi, University of Udine/I
9229	12:35	Development of a Zn²⁺ -ion selective microelectrode and its application to corrosion studies A.C. Bastos, Universidade de Aveiro/P; M.G. Taryba, Instituto Superior Técnico, Lisbon/P; O.V. Karavai, M.L. Zheludkevich, Universidade de Aveiro/P; S.V. Lamaka, Instituto Superior Técnico, Lisbon/P; M.G.S. Ferreira, Universidade de Aveiro/P and Instituto Superior Técnico, Lisbon/P
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

		Friday, 17 September 2010
		Corrosion Education and Computer Applications (WP 7)
9148	09:55	Interdisciplinary relationships in corrosion education at school, college and university A. Groysman, O. Groysman, ORT Braude College of Engineering, Karmiel/IL
9612	10:20	About the training of experts in the field of protection against corrosion at Mendeleev University of Chemical Technology of Russia (MUCTR) Y.I. Kapustin, T.A. Vagramyan, D. Mendeleev University of Chemical Technology of Russia, Moscow/RUS
4699	10:45	Association of corrosion engineers (VACOR) offers skills upgrading to corrosion practitioners V.A. Rabinkov, Association of Corrosion Engineers, Moscow/RUS
	11:10	Coffee Break
9411	11:45	Updating the content of the course "Corrosion and protection of metals" delivered in Udmurt State University S.M. Reshetnikov, Udmurt State University, Izhevsk/RUS
4680	12:10	Problems of corrosion education in oil-and-gas branch M.L. Medvedeva, Gubkin Russian State University of Oil & Gas, Moscow/RUS
9614	12:35	Training of the specialists of corrosion theory and metal protection in the classical university L.E. Tsygankova, V.I. Vigdorovich, Tambov State University/RUS
	13:00	WP 7 Business Meeting
	13:25	Break for Changing the Lecture Hall
	13:35	Closing Remarks
	13:50	End of Scientific Programme

(Programme subject to change)