

Amphitheater hall		Room
OPENING SESSION / WELCOME ADDRESS: Alexander V. Muradov, Gubkin Russian State University of Oil & Gas, Moscow/RUS		9:00
Cavallaro Medal Award Presentation		9:15
PLENARY LECTURE by OAO GAZPROM, Moscow/RUS, General Sponsor of EUROCORR 2010		9:30
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		9:45
COFFEE BREAK		10:30
Congress hall 1	Amphitheater hall	Room
Coatings (Inorganic) (WP 14)	Corrosion Mechanisms & Methods (WP 6 & 8)	
<i>L. Fedrizzi, University of Udine/I</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>	<i>Chair</i>
Phosphating – the status and perspectives of development in Russia <i>T.A. Vagramyan, N. Grigoryan, E.F. Akimova, A.A. Abrashov, D. Mendeleyev, University of Chemical Technology of Russia, Moscow/RUS</i>	ATR-FTIR spectroscopy at the metal-water and metal-polymer interfaces – theoretical and experimental studies <i>D. Persson, M. Öhman, Swerea KIMAB, Stockholm/S</i>	11:00
Electrochemical fabrication of oriented ZnO on TiO₂ nanotubes <i>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</i>	Selective dissolution of modified single-crystalline model systems studied by in-situ X-ray diffraction <i>F. Renner, A. Pareek, G. Anka, Max-Planck-Institut für Eisenforschung, Düsseldorf/D</i>	11:25
Characterisation of nanotubular TiO₂ films on Ti-6Al-4V alloy for biomedical applications <i>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</i>	Application of high resolution techniques to characterize sensitization of highly alloyed materials <i>M. Prohaska, G. Mori, University of Leoben/A; M. Arndt, Center for Surface and Nanoanalytics, Linz/A; B. Rashkova, University of Leoben and Erich Schmid Institute for Materials Science, Leoben/A; A. Seyeux, P. Marcus, École Nationale Supérieure de Chimie de Paris/F; G. Tischler, R. Grill, voestalpine Grobblech GmbH, Linz/A</i>	11:50
Synthesis of coatings in molten salts for creation of functional materials <i>S. Kuznetsov, I.V. Tananaev Institute of Chemistry at Kola Science Centre (RAS), Apatity/RUS</i>	Detection of hydrogen permeation through iron foil using a scanning Kelvin Probe <i>G. Williams, H.N. McMurray, Swansea University/UK; R.C. Newman, University of Toronto, ON/CDN</i>	12:15
LUNCH BREAK		12:40
<i>L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>	<i>Chair</i>
Modified anodising processes for light metals based on the incorporation of nanoparticles or nanocapsules <i>W. Fürbeth, D. Tabatabai, B. Tigges, S.K. Weidmann, DECHEMA e.V., Frankfurt am Main/D</i>	Scanning electrochemical probe characterisation of galvanic activity across inclusion boundaries in iron/nickel meteorites <i>D. Greenfield, Sheffield Hallam University/UK; D.E. Bryant, T.P. Kee, University of Leeds/UK; H.G.M. Edwards, T. Munshi, I.J. Soowen, University of Bradford/UK</i>	14:00
A composite coating for corrosion protection of AM60B magnesium alloy <i>M. Bestetti, A. Da Forno, Politecnico di Milano/I; A. Mandelli, S.P. Trasatti, M. Trueba, Università degli Studi di Milano/I</i>	On reproducibility of measurements obtained by means of electrochemical micro-cell technique <i>F. Andreatta, L. Paussa, University of Udine/I; A.H. Akita, C.S. Fugivara, A.V. Benedetti, UNESP, Sao Paulo/BR; L. Fedrizzi, University of Udine/I</i>	14:25
Optical and electrochemical measurement of the thickness of anodic thin films on titanium <i>M.V. Diamanti, M. Ormellese, B. Del Curto, M.P. Pedeferrì, Politecnico di Milano/I</i>	Formation of the galvanic cells during atmospheric corrosion of a metal <i>A. Nazarov, D. Thierry, French Corrosion Institute, Brest/F</i>	14:50
Self-healing corrosion protective coatings by oxide particles and a pH-sensitive organic agent on a magnesium alloy <i>A. Yabuki, M. Sakai, Hiroshima University, Higashi-Hiroshima/J</i>	Development of electrochemical methods for determining of corrosion protection properties of metals, alloys and coatings in laboratory and industrial conditions <i>N.G. Anufriev, S.V. Oleynik, A.P. Akolzin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	15:15
COFFEE BREAK		15:40
Thin, nanoparticulate coatings for the improvement of the corrosion and passivation behavior of AZ magnesium alloys <i>F. Feil, W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D</i>	A local electrochemical approach for bond-pad corrosion study <i>O.V. Elisseeva, M2i - Materials innovation institute, Delft/NL; A. Mavinkurve, R.T.H. Rongen, M.H.M. van der Straaten, NXP Semiconductors, Nijmegen/NL; R. Ambat, Technical University of Denmark, Kgs. Lyngby/DK; J.M.C. Mol, Delft University of Technology/NL; H. Terryn, M2i - Materials innovation institute, Delft/NL and Vrije Universiteit Brussel/B/NL; J.H.W. de Wit, Delft University of Technology/NL</i>	16:15
Glass-like environmentally friendly sol-gel coatings for corrosion protection of metals <i>N.C. Rosero-Navarro, Y. Castro, M. Aparicio, A. Durán, Ceramic and Glass Institute, Madrid/E</i>	Effects of lead free soldering on corrosion of electronics <i>M.S. Jellesen, D. Minzari, U. Rathinavelu, P. Møller, R. Ambat, Technical University of Denmark, Kgs. Lyngby/DK</i>	16:40
Protective enamel coatings deposited on steel <i>S. Rossi, E. Scrinzi, University of Trento/I</i>	Mechanisms of electrochemical migration of tin by in-situ optical and electron microscopy <i>D. Minzari, M.S. Jellesen, P. Møller, K. Mølhave, E. Jensen, R. Ambat, Technical University of Denmark, Kgs. Lyngby/DK</i>	17:05
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Poster Discussion / Poster Party		17:30
Press hall		Room
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9:00	OPENING SESSION / WELCOME ADDRESS: Alexander V. Muradov, Gubkin Russian State University of Oil & Gas, Moscow/RUS	
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10:30	COFFEE BREAK	
Room	Congress hall 2	Conference room B
	Joint EFC/NACE Session: Corrosion in Oil & Gas Production (WP 13)	Corrosion by Hot Gases and Combustion Products (WP 3)
Chair	<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F; R.P. Badrak, Weatherford International Ltd., Houston TX/USA</i>	<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>
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	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 M. Franz, P. Pöllmann, T. Grünberger, S. Götz, SGL CARBON GmbH, Meitingen/D
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; A. Gateaud, 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	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
11:50	Hydrogen induced cracking of sour gas pipeline – case study D. Masouri, Pars Oil & Gas Co., Tehran/IR; M. Zafari, E. Moheemmi, National Iranian South Oil Co., Ahwaz/IR; M. Askari, Pars Oil & Gas Co., Tehran/IR	Development of pest resistant Nb-Ti-Hf-Cr-Al-Si-Sn composites S. Knittel, S. Mathieu, M. Vilasi, University of Nancy/F
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, A. Smirnova, Norwegian University of Science and Technology, Trondheim/N	Problems of design of heat-resistant coatings for high-temperature materials working in extreme conditions V.S. Terentjeva, Moscow Aviation Institute (State Technical University), Moscow/RUS
12:40	LUNCH BREAK	
Chair	<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F; R.P. Badrak, Weatherford International Ltd., Houston TX/USA</i>	<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>
14:00	Effects of strain and trapping on hydrogen-induced cracking in high strength low alloy steels C. Bosch, D. Delafosse, École Nationale Supérieure des Mines de Saint-Étienne/F; X. Longaygue, Institut Français Pétrole, Rueil-Malmaison/F	KEYNOTE LECTURE Kinetic principles of formation of temperature-resistant functional coatings V.A. Zhabrev, S.V. Chuppina, Grebenshchikov Institute of Silicate Chemistry (RAS), St. Petersburg/RUS
14:25	An empirical model for indication of M13Cr-110 NACE method – a test acceptability E. Caldwell, L. Jordan, G. Gibson, GATE, LLC, Houston, TX/USA	
14:50	Effect of tensile stress on hydrogen diffusion in 13% Cr super martensitic stainless steel A. Smirnova, R. Johnsen, K. Nisancioglu, Norwegian University of Science and Technology, Trondheim/N	Aluminide coatings for ferritic steels against oxidation in steam: thermodynamic and TG-mass spectrometry studies M.P. Hierro, S.I. Castañeda, J. Marulanda, G. Alcalá, F.J. Perez Trujillo, Universidad Complutense de Madrid/E
15:15	Relationship between the growth of corrosion scale and CO₂ corrosion M.W. Gao, K.W. Gao, University of Science and Technology, Beijing/PRC	Surface modified ferritic steels by moderate temperature Si and Cr enrichment for steam oxidation resistance at 650° C A. Agüero, 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		
17:05		
Room	Exhibition Area	
17:30	Poster Discussion / Poster Party	
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18:00	GENERAL ASSEMBLY	

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Press hall	Congress hall 3	Room
Corrosion in the Refinery Industry (WP 15)	Corrosion and Scale Inhibition (WP 1)	
<i>F. Ropital, IFP Energies Nouvelles, Solaize/F;</i> <i>H.J. De Bruyn, Borealis A/S, Stathelle/N</i>	<i>G. Schmitt, Iserlohn University of Applied Sciences/D and IFINKOR – Institut für Instandhaltung und Korrosionsschutztechnik gGmbH, Iserlohn/D</i>	Chair
KEYNOTE LECTURE Peculiarities of the corrosion in cat cracker and delayed coker gasoline distillates V.P. Tomin, Ya.N. Silinskaya, JSC Angarsk Petrochemical Company/RUS; N.A. Korchevin, Irkutsk State University of Railroad Communications/RUS	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	11:00
Electrochemical treatment of sour water H. Medaber Jambo, Petrobras, Rio de Janeiro/BR; J.A. Ponciano Gomes, Federal University of Rio de Janeiro/BR	Metal passivation by phosphorous-containing inhibitors A. Chirkunov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS	11:50
Materials selection for electrodes used in electro-oxidation of ammonia L. Candido, J.A. Ponciano Gomes, Federal University of Rio de Janeiro/BR	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	12:15
LUNCH BREAK		12:40
<i>H.J. De Bruyn, Borealis A/S, Stathelle/N;</i> <i>V.P. Tomin, JSC Angarsk Petrochemical Company/RUS</i>	<i>G. Schmitt, Iserlohn University of Applied Sciences/D and IFINKOR – Institut für Instandhaltung und Korrosionsschutztechnik gGmbH, Iserlohn/D</i>	Chair
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, E.V. Belyaeva, JSC Angarsk Petrochemical Company/RUS	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	14:00
The analysis of oils, fuel and operating fluids spectrometric methods A.A. Latyshev, G.I. Suranov, Ukhta State Technical University/RUS	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	14:25
SCC resistance of X70 SAW helical seam welded pipes in fuel grade ethanol M. Hörstemeier, M. Scheepers, C. Bosch, Salzgitter Mannesmann Forschung GmbH, Duisburg/D; C. Kalwa, T. Köppe, EUROPIPE GmbH, Mülheim/D; H. Dellaretti Junior, Tubos Soldados Atlantico, Carapina/BR	Application of the cyclic polarisation technique for measuring the performance of industrial localised corrosion inhibitors E. Reny, Nalco Europe BV, Oegstgeest/NL	14:50
A new Ni-Mo-Cr alloy for the most aggressive media N.S. Meck, P. Crook, P.E. Manning, Haynes International, Inc., Kokomo, IN/USA	Inhibiting the acidic corrosion of metals: surface and bulk effects S.M. Reshetnikov, M.A. Pletnev, I.B. Shirobokov, Udmurt State University, Izhevsk/RUS	15:15
COFFEE BREAK		15:40
Reliable solutions for corrosion monitoring in high temperature plant K. Morton, iicorr, Aberdeen/UK	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	16:15
The role of welded joint vulnerability and various damage mechanisms active in process & petrochemical plants: reliability analysis with Risk Based Inspection (RBI) approach M. De Marco, S. Pinca, G. Canale, Istituto Italiano della Saldatura, Genova/I	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	16:40
		17:05
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10:30	COFFEE BREAK	
Room	Angara hall	Neva hall
	Environment Sensitive Fracture (WP 5)	Automotive Corrosion (WP 17)
Chair	V. Olden, SINTEF Materials and Chemistry, Trondheim/N	F. Hannour, Corus Research Development and Technology, Ijmuiden/NL; B. Normand, Université de Lyon, Villeurbanne/F
11:00	Scientific-technical aspects of stress-corrosion in trunk gas pipeline V.V. Kharionovsky, Gazprom VNIIGAZ LLC, Razvilka/RUS	KEYNOTE LECTURE Recent trends of surface coated steel for automotive panels J. Kim, Y.-K. Song, S.-K. Noh, C. Choi, J. Choi, Y. Kim, C. Jung, J. Oh, POSCO Technical Research Laboratories, Gwangyang, Jeonnam/ROK
11:25	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	
11:50	System of monitoring of gas pipelines on stress corrosion cracking A.S. Kuzbozhev, V.O. Solovej, Yu.V. Aleksandrov, Gazprom VNIIGAZ LLC- Severnipigaz, Ukhta/RUS	Corrosion resistance of hot-stamped Usibor steels for automotive L. Dosdat, O. Clauzeau, J. Petitjean, T. Vietoris, ArcelorMittal Research SA, Maizières les Metz/F
12:15	On mechanism of initiation of corrosion-mechanical cracks in gas pipeline metal T.S. Yessiev, Gazprom VNIIGAZ LLC, Razvilka/RUS	Role of alloying elements for improved corrosion resistance of Zn-Al-Mg coatings on steel P. Volovitch, 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	
Chair	K. Wolski, École Nationale Supérieure des Mines de Saint-Étienne/F	F. Hannour, Corus Research Development and Technology, Ijmuiden/NL; B. Normand, Université de Lyon, Villeurbanne/F
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	New applications outlook for magnesium alloys V. Kechin, Vladimir State University/RUS; E. Lyublinski, Northern Technologies International Corporation, Beachwood, OH/USA
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	Influence of microstructure on the corrosion performance of dual phase steels D. Farias, 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. Terryn, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL
14:50	Fracture mechanic investigations of a CrNiMo austenitic stainless steel in different cold worked states C. Vichytijl, G. Mori, M. Panzenböck, R. Pippan, University of Leoben/A; R. Fluch, Böhler Edelstahl GmbH & Co KG, Kapfenberg/A	Corrosion performance and mechanical properties of joined materials used in the automotive industry N. LeBozec, A. LeGac, D. Thierry, French Corrosion Institute, Brest/F
15:15	Cohesive zone modelling of hydrogen induced cracking in X70 pipeline steel V. Olden, SINTEF Materials and Chemistry, Trondheim/N	Synergistic corrosion inhibition in multi-metal systems M.L. Zheludkevich, S. Kallip, A.C. Bastos, J. Tedim, M.G.S. Ferreira, University of Aveiro/P
15:40	COFFEE BREAK	
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	Influence of heating and cooling cycles on automotive exhaust corrosion M. Yasir, University of Leoben/A
16:40	Working Party 5 Business Meeting	Electrochemical measurements for testing the corrosion behaviour of stainless steels in automotive exhaust systems C. Hoffmann, P. Gümpel, University of Applied Sciences, Konstanz/D
17:05		Monitoring the road environment for on-vehicle testing M. Jönsson, B. Rendahl, I. Annergren, Swerea KIMAB, Stockholm/S
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Dvina hall	Room
Workshop: Corrosion and Corrosion Protection in the Aerospace Industry	
A.D. Zhirnov, All-Russian Scientific Research Institute of Aviation Materials, Moscow/RUS	Chair
KEYNOTE LECTURE Ion-plasma coating salt corrosion protection of compressor GTE steel blades S.A. Muboyadzhyan, D.A. Aleksandrov, D.S. Gorlov, Russian Institute of Aviation Materials, Moscow/RUS	11:00
Fatigue-oxidation interaction for a nickel-based superalloy A. Karabela, 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	11:25
Microstructure oriented fatigue and damage analysis of Al/Al and Al/steel friction stir weldings (FSW) considering corrosive effects T. Tesfu-Zeru, W. Fürbeth, DEHEMA 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	11:50
Stress-corrosion cracking failure of SCC resistant aeronautical materials: IAF case studies L. Allegrucci, L. Aiello, F. Bagnoli, V. Di Francesco, M. Bernabei, Italian Air Force, Pomezia-Roma/I	12:15
LUNCH BREAK	12:40
A.D. Zhirnov, All-Russian Scientific Research Institute of Aviation Materials, Moscow/RUS	Chair
A problem of fatigue life of structural materials under attacks of corrosive media A.D. Zhirnov, A.V. Grinevich, S.A. Karimova, Russian Institute of Aviation Materials, Moscow/RUS	14:00
Localised corrosion in AA 2099-T8 aluminium alloy Y. Ma, X. Zhou, G.E. Thompson, P. Thompson, M. Fowles, University of Manchester/UK	14:25
Validation of a galvanic corrosion model for AA 2024 and CFRP with localised coating damage S. Palani, T. Hack, EADS Deutschland GmbH, Munich/D; A. Peratta, R. Adey, J. Baynham, CM BEASY, Ashurst/UK; H. Lohner, Airbus Operations GmbH, Bremen/D	14:50
Novel protective Cr-free aerospace coatings based on hybrid sol-gel/conducting polymer systems R. Akid, H. Wang, Sheffield Hallam University/UK; M. Mostafa, Military Technical College, Cairo/ET	15:15
COFFEE BREAK	15:40
The formation of chromatless conversion coatings on aluminium alloys S.V. Oleynik, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS	16:15
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Room	Amphitheater hall	
9:00	INVITED PLENARY LECTURE: Study on the current fluctuations during the early stage of pitting corrosion Y. Zuo, Y. Tang, Beijing University of Chemical Technology, Beijing/PRC	
9:45	BREAK FOR CHANGING THE LECTURE HALL	
Room	Congress hall 1	Amphitheater hall
	Coatings (Organic) (WP 14)	Corrosion Mechanisms & Methods (WP 6 & 8)
Chair	<i>P.L. Bonora, University of Trento/I</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>
9:55	Anticorrosive properties of coatings based on aqueous materials S.A. Nenakhov, V.P. Pimenova, NPP Teplohim, Moscow/RUS	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
10:20	Fluoropolymer anticorrosion coatings E. Ieva, Solvay Solexis, Spinetta Marengo/I; F. Polastri, 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	Initiation and propagation of localized corrosion in AA 2024-T3 aluminium alloy C. Luo, X. Zhou, T. Hashimoto, 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	COFFEE BREAK
11:20	Effect of temperature on the impedance behavior of coated mild steel in 3% sodium chloride solution J.M. Sykes, Z. Sharer Sahir, University of Oxford/UK	Correlation between microstructure, microhardness, and corrosion sensitivity of AA 2024-T3 FSW welded joints E. Bousquet, M. Puiggali, M. Touzet, University of Bordeaux, Talence/F; A. Poulon-Quintin, University of Bordeaux, Pessac/F
11:45	A combined macroscopic adhesion and interfacial bonding study of epoxy coatings on pretreated AA 2024-T3 O. Ozkanat, 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. Terryn, Vrije Universiteit Brussel/B; J.H.W. de Wit, Delft University of Technology/NL	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
12:10	On the joining of metal and plastic: structures, coating, corrosion and water permeability A.H. Holm, Grundfos Management A/S, Bjerringbro/DK; J. Byskov-Nielsen, Aarhus University/DK; R. Hoejsholt, J.V. Boll, P. Sà, Grundfos Management A/S, Bjerringbro/DK; P. Balling, Aarhus University/DK	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	
Chair	<i>J. Vogelsang, SIKA Technology AG, Zürich/CH; F. Deflorian, University of Trento/I</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>
14:00	Electrochemical studies of electroactive conducting polymers containing corrosion inhibiting ions C. Vetter, M. Yan, V. Gelling, North Dakota State University, Fargo, ND/USA	Composite structures on the base of nanotubular anodic oxide coatings on aluminium and titanium and their possible applications N.M. Yakovleva, E.A. Chupakhina, Karelian State Pedagogical Academy, Petrozavodsk/RUS; A.N. Yakovlev, Petrozavodsk State University/RUS; A.N. Kokatev, Nelan-oksud LTD, Petrozavodsk/RUS
14:25	Smart functionalized polymer dispersions for effective mapping of heterogeneous metal surfaces: new concepts for corrosion protection S. Toews, W. Bremser, University of Paderborn/D; H. Hintze-Bruening, M. Dornbusch, BASF Coatings AG, Münster/D	Localised electrochemical study of corrosion mechanism of AZ31 magnesium alloy 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
14:50	Hybrid coatings based on conducting polymers and polysiloxanes M. Trueba, S.P. Trasatti, Università degli Studi di Milano/I	Exposure of silver to atomic oxygen A. De Rooij, European Space Agency, Noordwijk/NL
15:15	Appraised Dry Film Thickness – new concept for the interpretation of DFT data collected from coated structures L. Augustynski, A. Krolkowska, Road and Bridge Research Institute, Warszawa/PL	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	
	Coatings (Sol-gel) (WP 14)	Corrosion Mechanisms & Methods (WP 6 & 8)
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, H. Terryn, Vrije Universiteit Brussel/B; Y. Gonzalez-Garcia, J.M.C. Mol, Delft University of Technology/NL	Atmospheric corrosion of silver coated phosphorous bronze: morphological evolution D. Mombello, S. Grassini, B. De Benedetti, E. Angelini, Politecnico di Torino/I
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; J.M.C. Mol, Delft University of Technology/NL	Corrosion mechanisms of silver thin films in alkaline Na₂S solutions N. Li, A. Galtayries, I. Frateur, V. Maurice, P. Marcus, École Nationale Supérieure de Chimie de Paris/F; S. Grachev, E. Sondergård, Laboratoire Surface du Verre et Interfaces, Aubervilliers/F; L.J. Singh, D. Nicolas, Saint-Gobain Recherche, Aubervilliers/F
17:05	Study of the effect of mechanical treated cerium (IV) oxides on the corrosion protection of painted galvanized steel M. Fedel, F. Deflorian, S. Rossi, University of Trento/I	Influence of plastic strain and temperature on the hydrogen evolution reaction on nickel (100) single crystal surfaces in sulphuric acid C. Lekbir, H. Al Alami, C. Huvier, J. Creus, R. Sabot, E. Conforto, X. Feaugas, University of La Rochelle/F
17:30	Interaction of carboxylic acid groups with zinc surfaces P. Taheri, 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	Study of the hydrogen diffusion and trapping mechanisms into quenched and tempered HSLA steels using electrochemical permeation technique S. Frappart, 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
17:55	New non-toxic pretreatment and water based wash primer for the aircraft industry M. Kharsan, A. Green, Cortec Corporation, White Bear Lake, MN/USA	

Amphitheater hall		Room
INVITED PLENARY LECTURE: Study on the current fluctuations during the early stage of pitting corrosion <i>Y. Zuo, Y. Tang, Beijing University of Chemical Technology, Beijing/PRC</i>		9:00
BREAK FOR CHANGING THE LECTURE HALL		9:45
Congress hall 2	Conference room A	Room
Corrosion in Oil & Gas Production (WP 13)	Corrosion by Hot Gases and Combustion Products (WP 3)	
<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F; J. Kittel, Institut Français du Pétrole, Solaize/F</i>	<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	Chair
Lean duplex stainless steel within the oil and gas industry <i>E. Johansson, R. Pettersson, Outokumpu Stainless AB, Avesta/S</i>	Behaviour of selected coatings under testing environment of boilers for plant biomass burning <i>J. Cizner, SVUM a.s., Prague/CZ; P. Sajdl, Institute of Chemical Technology Prague/CZ</i>	9:55
Effect of intermetallic content on the pit stability and propagation kinetics of duplex stainless steel exposed to CO₂ saturated production brine <i>R.P. Case, S.P.V. Mahajanam, H.E. Rincon, D.R. McIntyre, T. McWalter, Conoco Phillips, Bartlesville, OK/USA</i>	Phase transformations in Inconel® 625 during oxidation at 800-1000°C <i>A.D. Chyrkin, P. Huczkowski, L. Singheiser, W.J. Quadackers, Forschungszentrum Jülich/D</i>	10:20
COFFEE BREAK		10.45
Environmentally assisted cracking behavior of super 13Cr stainless steel under cathodic polarization condition in carbon dioxide environment <i>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</i>	Ferritic stainless steel durability in gas condensing boilers <i>S. Lassiaz, ArcelorMittal Isbergues Research Center/F; J. Leclercq, ArcelorMittal Stainless Europe, Gueugnon/F; A. Gaugain, L. Peguet, ArcelorMittal Isbergues Research Center/F</i>	11:20
The effect of environmental factors on SCC resistance of 110ksi strength grade super 13Cr steel <i>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</i>	High temperature behavior of water on metallic materials with corrosive atmospheres with chlorine <i>M. Sanchez Pasten, J.A. Alcantara Gutierrez, F. Chavez Alcala, Instituto Politécnico Nacional, México D.F./MEX</i>	11:45
Mechanical properties and corrosion resistance of post-expanded SM2535 <i>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</i>	Effect of temperature on the relative importance of surface condition and furnace atmosphere in the oxidation of carbon steels <i>H. Marston, Corus Research Development and Technology, Rotherham/UK; B. Stewart, Corus Research Development and Technology, Middlesbrough/UK; M. Bugdol, R. Ratcliffe, Corus Research Development and Technology, Rotherham/UK</i>	12:10
LUNCH BREAK		12:35
<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F; J. Kittel, Institut Français du Pétrole, Solaize/F</i>	<i>M. Schütze, DECHEMA e.V., Frankfurt am Main/D</i>	Chair
	Investigation of cracking in the shell of a reactor of MTBE Plant Catofin Unit <i>A. Al-Meshari, A. Abdelgalil, S. Al-Enazi, SABIC Technology Centre, Jubail Industrial City/SAR; K. Jeganathan, Saudi European Petrochemical Company, Jubail Industrial City/SAR</i>	14:00
Investigation of corrosion resistance and mechanical properties of aluminum tubular products for oilfield injection applications <i>R. Badrak, Weatherford International Ltd., Houston, TX/USA; M. Gelfgat, Weatherford Holdings, Moscow/RUS; V. Chizhikov, S. Kolesov, Weatherford, LLC, St. Petersburg/RUS</i>	In situ corrosion testing of various high nickel alloys at Måbjerg waste incineration plant <i>M. Montgomery, 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</i>	14:25
Environmentally assisted cracking behavior of Nickel alloys in oil and gas applications – a review <i>R. Rebak, GE Global Research, Schenectady, NY/USA</i>		14:50
The value of data <i>I.G. Winning, R. Payne, W.M. Awosika, Wood Group Integrity Management, Staines/UK</i>		15:15
COFFEE BREAK		15:40
Corrosion in Oil & Gas Production (WP 13)	Nuclear Corrosion (WP 4)	
Top of the line corrosion (TLC) – a field failure <i>M. Joosten, H. Sun, M. Achour, ConocoPhillips USA, Bartlesville, OK/USA; D. Owens, D. Lanktree, ConocoPhillips Canada, Vulcan, AB/CDN; A. Hobbins, ConocoPhillips Canada, Grande Prairie, AB/CDN</i>		16:15
Problem of corrosion of oil gathering system pipelines and solutions <i>R. Wharfe, A.B. Kichenko, Salym Petroleum Development/RUS</i>	Working Party 4 Business Meeting (approx. to 19:30)	16:40
		17:05
		17:30
		17:55

Room	Amphitheater hall	
9:00	INVITED PLENARY LECTURE: Study on the current fluctuations during the early stage of pitting corrosion Y. Zuo, Y. Tang, Beijing University of Chemical Technology, Beijing/PRC	
9:45	BREAK FOR CHANGING THE LECTURE HALL	
Room	Press hall	Congress hall 3
	Corrosion in the Refinery Industry (WP 15)	Corrosion and Scale Inhibition (WP 1)
Chair	<i>F. Ropital, IFP Energies Nouvelles, Solaize/F; V.P. Tomin, JSC Angarsk Petrochemical Company/RUS</i>	<i>G. Schmitt, Iserlohn University of Applied Sciences/D and IFINKOR – Institut für Instandhaltung und Korrosionsschutztechnik gGmbH, Iserlohn/D</i>
9:55	Critical factors in rich amine solvent corrosivity B. Chambers, V. Lagad, Honeywell Corrosion Solutions, Houston, TX/USA; R. Kane, iCorrosion, LLC, Houston, TX/USA	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 V.P. Grigoriev, S.P. Shpan'ko, E.V. Plekhanova, V.V. Boginskaya, A.S. Burlov, Southern Federal University, Rostov-na-Donu/RUS
10:20	Hydrogen damage, monitoring, and prevention in the oil refinery A. Groysman, R. Simon, Oil Refineries Ltd., Haifa/IL and ORT Braude College of Engineering, Karmiel/IL	
10:45	COFFEE BREAK	
11:20	Influence of higher mercaptan levels in crudes on processing units in refineries V. Bonitz, N. René de Cotret, A. Stuke, Shell Deutschland Oil GmbH, Köln/D	Complex approach to the estimation of copper pitting corrosion inhibition by benzotriazole in alkaline media under different temperatures S. Kaluzhina, E. Skrypnikova, Voronezh State University/RUS
11:45	A study of the electrochemical behavior of tantalum in relation to hydrogen charging A.G.S.G. da Silva, H.A. Ponte, C.E.B. Marino, L.M. Moya, G. Arruda, Universidade Federal do Paraná, Curitiba/BR	Mass-spectrometry for corrosion processes and corrosion inhibitors investigation A.K. Buryak, T.M. Serdyuk, A.V. Uleanov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS
12:10	Corrosion protection of oil storage tank double bottoms E. Lyublinski, Y. Vaks, Northern Technologies International Corporation, Beachwood, OH/USA; M. Schultz, Petrobras, Rio de Janeiro/BR	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	
Chair	<i>F. Ropital, IFP Energies Nouvelles, Solaize/F; H.J. De Bruyn, Borealis A/S, Stathelle/N</i>	<i>G. Schmitt, Iserlohn University of Applied Sciences/D and IFINKOR – Institut für Instandhaltung und Korrosionsschutztechnik gGmbH, Iserlohn/D</i>
14:00	Corrosion of sulfided steels by naphthenic acids M. El Kamel, 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	KEYNOTE LECTURE SVET screening of corrosion inhibitors using multi-metal electrode approach S. Kallip, A.C. Bastos, J. Tedim, M. Zheludkevich, M.G.S. Ferreira, University of Aveiro/P
14:25	Progress in petroleum refinery high temperature sulphidic corrosion inhibition C. Claesen, NALCO Energy Services, Kontich/B; M. Kulic, NALCO Energy Services, Vienna/A	
14:50	Working Party 15 Business Meeting	Electrochemical and quantum chemical studies of some crown ethers as corrosion inhibitors for carbon steel in 1 M HCl solution M. Lagrenée, Université de Lille, Villeneuve d'Ascq/F; F. Bentiss, Université Chouaib Doukkali, El Jadida/MA; H. Vezin, Université de Lille, Villeneuve d'Ascq/F
15:15		Quantum chemical study of some amino acids as corrosion inhibitors of copper G. Gece, S. Bilgic, Ankara University/TR
15:40	COFFEE BREAK	
16:15	Working Party 15 Business Meeting	Effect of volatile inhibitors structure and medium properties on hydrogen sulfide corrosion of steel equipment and pipelines B.V. Kashkovskiy, Yu.I. Kuznetsov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS; R.K. Vagapov, GAZPROM VNIIGAZ, Razvilka/RUS
16:40		Inhibitors universality by the hydrosulphuric and carbon dioxide corrosion L.E. Tsygankova, A.I. Fedotova, K.O. Strelnikova, Tambov State Technical University/RUS
17:05		Working Party 1 Business Meeting
17:55		

Amphitheater hall		Room
INVITED PLENARY LECTURE: Study on the current fluctuations during the early stage of pitting corrosion <i>Y. Zuo, Y. Tang, Beijing University of Chemical Technology, Beijing/PRC</i>		9:00
BREAK FOR CHANGING THE LECTURE HALL		9:45
Angara hall	Neva hall	Room
Cathodic Protection (WP 16)	Automotive Corrosion (WP 17)	
<i>M. Roche, Le Mesnil-le-Roi/F; L. Di Biase, Isproma, Rome/I</i>	<i>F. Hannour, Corus Research Development and Technology, Ijmuiden/NL; B. Normand, Université de Lyon, Villeurbanne/F</i>	Chair
Cathodic protection effectiveness assessment by determining the soil corrosivity <i>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</i>	KEYNOTE LECTURE Multi-level protection of materials for vehicles by „smart“ nanocontainers - M U S T <i>M.L. Zheludkevich, University of Aveiro/P; T. Hack, EADS Deutschland GmbH, Munich/D; C. Simon, SINTEF, Oslo/N</i>	9:55
Methodology for evaluation of soil corrosivity in buried pipelines for different regions of Rio de Janeiro <i>D.S. Freitas, National Institute of Tecnology, 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 Tecnology, Rio de Janeiro/BR</i>		10:20
COFFEE BREAK		10:45
KEYNOTE LECTURE New methods of ensuring integrity of TNK-BP field pipelines <i>S.B. Kichenko, OJSC TNK-BP, Moscow/RUS; M.A. Petrunin, A.I. Marshakov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	Evaluation of durability of nano-silica containing clear coats for automotive applications <i>E. Scrinzi, S. Rossi, University of Trento/I; P. Kamarchik, PPG Research Centre, Allison Park, PA/USA; F. Deflorian, University of Trento/I</i>	11:20
	Pre-coated steel for improved corrosion protection at cut-edge, stone chip and in mixed metal constructions <i>M. Roth, Henkel AG & Co. KGaA, Düsseldorf/D, A. Smirnov, Henkel RUS, Moscow/RUS</i>	11:45
Combined close interval potential surveys and direct current voltage surveys for increased pipeline integrity <i>J. Nicholson, Cathodic Technology Limited, Bolton, ON/CDN</i>	Ionic liquids as lubricants in industrial applications – new solutions for special applications <i>M. Ramunno, B. Pohrer, N. Ebel, P. Wasserscheid, E. Schlücker, Universität Erlangen-Nürnberg, Erlangen/D</i>	12:10
LUNCH BREAK		12:35
<i>M. Roche, Le Mesnil-le-Roi/F; L. Di Biase, Isproma, Rome/I</i>	<i>F. Hannour, Corus Research Development and Technology, Ijmuiden/NL; B. Normand, Université de Lyon, Villeurbanne/F</i>	Chair
The efficiency upgrading of the pipelines' cathodic protection <i>N.P. Glazov, K.L. Shamshetdinov, CJSC VNIIST, Moscow/RUS; N.N. Glazov, A.V. Goncharov, Gazprom VNIIGAZ LLC, Moscow/RUS</i>	Numerical analysis on galvanic corrosion of galvanized steel sheet <i>M. Matsumoto, N. Okada, K. Nishihara, T. Kudo, Sumitomo Metal Industries Ltd., Hyogo/J</i>	14:00
Some theoretical and practical developments in cathodic protection of underground municipal pipelines <i>E.G. Kuznetsova, K.D. Panfilov Academy of Municipal Economy, Moscow/RUS</i>	Evaluation of the corrosion protection of coolants for combustion engines at elevated temperatures via electrochemical methods <i>T. Trotsmann, G. Andersohn, K. Eppel, C. Berger, Technische Universität Darmstadt/D</i>	14:25
Cathodic delamination: mechanisms, materials and testing protocols <i>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</i>	Analysis of the reliability of the sea water acidified accelerated test (SWAAT) for aluminium brazing sheet <i>E. Norouzi Afshar, 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</i>	14:50
	Comparison of the performance of standardized accelerated tests used or in development in the automotive industry <i>A. LeGac, N. LeBozec, French Corrosion Institute, Brest/F</i>	15:15
COFFEE BREAK		15:40
	Improvement of ENA NOCS technique using artificial neural network approach served for corrosion detection <i>M. Halama, 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</i>	16:15
	Corrosion of aluminium Charge Air Coolers in exhaust gas condensates – application to exhaust gas recirculation systems <i>E. Szala, Corus Research Development & Technology, Ijmuiden/NL; S. Kirkham, K. Viergge, Aleris Aluminum Koblenz GmbH, Koblenz/D</i>	16:40
	WP 17 Business Meeting	17:05
		17:30
		17:55

Room	Amphitheater hall	
9:00	INVITED PLENARY LECTURE: Study on the current fluctuations during the early stage of pitting corrosion Y. Zuo, Y. Tang, Beijing University of Chemical Technology, Beijing/PRC	
9:45	BREAK FOR CHANGING THE LECTURE HALL	
Room	Dvina hall	Conference room B
	Corrosion of Steel in Concrete (WP 11)	Joint Workshop EFC-CEOCOR: Materials and Disinfection (WP 19 & WP 20 & CEOCOR, Section B)
Chair	<i>M. Raupach, RWTH Aachen University/D</i>	<i>W. Erning, BAM - Federal Institute for Materials Research and Testing, Berlin/D; R. Morach, INTERTEK Expert Services, Basel/CH</i>
9:55	Corrosion of steel reinforcement in concrete of different compressive strengths L. Abosrra, A.F. Ashour, M. Youseffi, University of Bradford/UK; A. Elhoud, University of Aberdeen/UK	Effect of material and water quality on disinfection and risks of corrosion L. Rischel Hilbert, FORCE Technology, Brøndby/DK; H.J. Albrechtsen, Technical University of Denmark, Lyngby/DK; A. Andersen, FORCE Technology, Brøndby/DK
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	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	
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	Principles of lifetime analysis for plastic pipes J. Heinemann, H. Haupt, A. Bockenheimer, C. Berger, Technische Universität Darmstadt/D
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	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	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	Influence of disinfection on polymer piping systems R. Morach, INTERTEK Expert Services, Basel/CH
12:35	LUNCH BREAK	
	Corrosion of Steel in Concrete (WP 11)	Corrosion & Corrosion Protection of Drinking Water Systems (WP 20)
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	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
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	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
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	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'Île de France, Paris/F
15:15	Electrochemical behaviour of AISI 304 stainless steel in alkaline media simulating concrete – the effect of pH and chlorides M.E. 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. Carnezim, A.S. Castela, Instituto Politécnico de Setúbal/P	Galvanic corrosion of lead pipe after partial lead line replacements J. Hu, Delft University of Technology/NL; F. Gan, Wuhan University/PRC; C. Nguyen, M. Edwards, Virginia Polytechnic Institute and State University, Blacksburg, VA/USA
15:40	COFFEE BREAK	
	Corrosion of Steel in Concrete (WP 11)	Corrosion of Polymer Materials (WP 19)
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	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
16:40	Electrochemical behaviour of galvanized steel for prestressed concrete structures in alkaline electrolytes I. Pepenar, Research Centre CERTINCON, Bucharest/RO	Comparison of the stress crack resistance of polyethylene grades with the test performance behaviour of packagings for the transport of dangerous goods M. Weltschew, U. Niebergall, BAM – Federal Institute for Materials Research and Testing, Berlin/D
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	Influence of processing conditions and inner properties on the environmental stress cracking resistance of polycarbonate W. Michaeli, A. Potthoff, Aachen University/D
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	FRP solutions for sodium hypochlorite service M. Jaeger, A. Van Buren, G. Kappenstein, Ashland Performance Materials, Kehl/D
17:55		Internal pressure testing as a tool for life cycle management of piping systems R. Morach, G. Schlecht, INTERTEK Expert Services, Basel/CH

Amphitheater hall	Room
INVITED PLENARY LECTURE: Study on the current fluctuations during the early stage of pitting corrosion <i>Y. Zuo, Y. Tang, Beijing University of Chemical Technology, Beijing/PRC</i>	9:00
BREAK FOR CHANGING THE LECTURE HALL	9:45
GAZPROM VNIIGAZ	Room
Workshop: Standards and Regulations in Corrosion Protection of Oil and Gas Production Equipment and Pipelines	
<i>S.V. Alimov, OAO GAZPROM, Moscow/RUS</i>	Chair
Requirements to corrosion-resistant products <i>A.P. Shalin, Certification Centre CONTSTAND, Moscow/RUS</i>	9:55
Standard costs of corrosion management and sustaining of pipelines operability <i>I.S. Sivokon, OJSC TNK-BP, Moscow/RUS</i>	10:20
COFFEE BREAK	10.45
Alteration of physico-mechanical properties of sealing composite materials at influence of excited environments, characteristic for oil-and-gas branch <i>Y.S. Ryabets, N.V. Sorokina, V.G. Antonov, Gazprom VNIIGAZ LLC, Moscow/RUS</i>	11:20
Hydrogen charging of carbon and low alloy steel by electrochemical methods <i>F. Bolzoni, Politecnico di Milano/I; P. Fassina, ENI SpA, San Donato/I; G. Fumagalli, L. Lazzari, Politecnico di Milano/I</i>	11:45
Comparison of two methods for determination of pipeline steel resistance to SSC according to NACE standard TM0177-2005 <i>P. Jonšta, Technical University of Ostrava, Ostrava - Poruba/CZ; K. Matocha, RESEARCH & DEVELOPMENT Ltd, Ostrava/CZ</i>	12:10
LUNCH BREAK	12:35
Workshop: Standards and Regulations in Corrosion Protection of Oil and Gas Production Equipment and Pipelines	
to be confirmed	14:00
to be confirmed	14:25
to be confirmed	14:50
to be confirmed	15:15
COFFEE BREAK	15:40

Room	Amphitheater hall	
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	
Room	Congress hall 1	Amphitheater hall
	Coatings (Pre-treatments / Self-healing) (WP 14)	Corrosion Mechanisms & Methods (WP 6 & 8)
Chair	<i>F. Montemor, Instituto Superior Técnico, Lisbon/P</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>
9:55	Electrochemical behaviour of ZrO₂ sol-gel pre-treatments doped with cerium nitrate on AA 6060 aluminium alloy L. Paussa, F. Andreatta, D. Bravin, L. Fedrizzi, University of Udine/I; N.C. Rosero Navarro, Y. Castro, M. Aparicio, A. Duran, Instituto de Ceramica y Vidrio, Madrid/E	Effect of SMAT on corrosion properties of biomaterials S. Jelliti, C. Richard, University of Technology, Compiègne/F; D. Reirant, University of Technology, Troyes/F
10:20	Effect of different surface preparations prior to painting on the corrosion behaviour and surface activity of mild steel D. Mills, S.S. Jamali, University of Northampton/UK	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	
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	Problem of phase transformations in the surface layer of homogeneous alloys at selective dissolution: thermodynamic, kinetic and corrosion aspects A. Vvedenskij, I. Marshakov, O. Kozaderov, Voronezh State University/RUS
11:45	Aluminium corrosion protection by silane-zeolite composite coatings L. Calabrese, L. Bonaccorsi, E. Proverbio, University of Messina/I	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
12:10	Electrodeposited sol-gel coatings containing Ce-Ti nanocontainers loaded with inhibitors for the corrosion protection of AA 2024-T3 E. Mekeridis, G.C. Kordas, NCSR Demokritos, Aghia Paraskevi/GR	Mechanism of the protective PEO-layers formation and the corrosion process at the heterooxide structure/electrolyte interface S.V. Gnedenkov, S.L. Sinebryukhov, Institute of Chemistry Far Eastern Branch (RAS), Vladivostok/RUS
12:35	LUNCH BREAK	
	Coatings (Self-healing) (WP 14)	Corrosion Mechanisms & Methods (WP 6 & 8)
Chair	<i>M. Olivier, Materia Nova ASBL, Mons/F and Université de Mons/F</i>	<i>P. Marcus, Paris/F; J.M.C. Mol, Delft/NL</i>
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	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
14:25	Self-healing protection of coatings with inhibitor-loaded mesoporous SiO₂ nanoparticles D. De la Fuente, J.M. Vega, B. Chico, N. Granizo, M. Morcillo, National Center for Metallurgical Research, Madrid/E	Corrosion products formed on preprepared Zn55Al and hot dip galvanized 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
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 M. Ohman, D. Persson, Swerea KIMAB, Stockholm/S	Passive layer stability of alloy 904L in high-purity water by means of electrochemical noise measurements H. Sarmiento Klapper, A. Burkert, BAM – Federal Institute for Materials Research and Testing, Berlin/D; A. Heyn, J. Göllner, University of Magdeburg/D
15:15	A prospect for using mesoporous particles in corrosion protection M. Walczak, Pontificia Universidad Católica de Chile, Santiago/RCH; M. Rohwerder, Max-Planck Institut für Eisenforschung, Düsseldorf/D; F. Marlow, Institut für Kohlenforschung, Mülheim/D	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	
	Coatings (Metallic) (WP 14)	Corrosion Mechanisms & Methods (WP 6 & 8)
Chair	<i>F. Hannour, Corus Research Development and Technology, IJmuiden/NL</i>	<i>P. Marcus, Paris/F; J.M.C. Mol, Delft/NL</i>
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	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
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; S. Touzain, J. Creus, University of La Rochelle/F	Corrosion chemistry of galvanized steel in boric acid media W. Hoffmann, H. Kryk, F.-P. Weiß, Forschungszentrum Dresden-Rossendorf e.V./D
17:05	Chemical vapor deposition of aluminum as a widely applicable technique for corrosion protection S. Oberhauser, L. Sieber, J. Heller, InnCoa GmbH, Neustadt/D; B. Kuzmanovic, A. Luttmmer, M. Zeitler, AkzoNobel, Deventer/NL; C. Strobl, University of Applied Sciences, Ingolstadt/D	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
17:30	An investigation into the sacrificial corrosion protection of steel substrates by thermally sprayed alloy coatings O.D. Lewis, A.H. Jones, Sheffield Hallam University/UK; A. Hardman, London and Scandinavian Metallurgical Ltd, Rotherham/UK; C. Wheatley, CJ Wiretech Ltd, Llannon/UK	
20:00	Conference Dinner	

Amphitheater hall		Room
INVITED PLENARY LECTURE		
The effects of air pollution and climate on materials including cultural heritage J. Tidblad, Swerea KIMAB AB, Stockholm/S		9:00
BREAK FOR CHANGING THE LECTURE HALL		9:45
Congress hall 2	Press hall	Room
Joint EFC WP 13 / NACE Session on Corrosion Mechanisms and Corrosion Inhibition: Corrosion in Oil & Gas Production	Marine Corrosion (WP 9)	
<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F; M.H. Achour, ConocoPhillips Company, Bartlesville OK/USA</i>	<i>U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S</i>	<i>Chair</i>
Effect of oxygen and temperature on aqueous sour corrosion systems Y. Song, A. Palencsar, G. Svenningsen, Institute for Energy Technology, Kjeller/N; T. Hemmingsen, University of Stavanger/N; J. Kvarekvål, Institute for Energy Technology, Kjeller/N	Environmental behavior and corrosion costs of naval aluminum alloys and ST52 in sea water ports A. Elezer, Sami Shamoan College of Engineering, Beer-Sheva/IL; A. Garcia, B. Valdez, M. Schorr, Universidad Autonoma de Baja California, Mexicali/MEX; J. Haddad, Sami Shamoan College of Engineering, Beer-Sheva/IL	9:55
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. Nescic, Ohio University, Athens, OH/USA	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	10:20
COFFEE BREAK		10:45
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	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	11:20
Study on corrosion process at sand-deposited surfaces in carbon dioxide media K. Lepkova, R. Gubner, Curtin University of Technology, Perth/AUS	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	11:45
Acid gas removal by amine solvents: bridges between CO₂ capture and natural gas treatment J. Kittel, E. Fleury, S. Gonzalez, F. Ropital, IFP Energies Nouvelles, Solaize/F	Study of Al alloy corrosion in neutral NaCl by the pitting scan technique M. Trueba, S.P. Trasatti, Università degli Studi di Milano/I	12:10
LUNCH BREAK		12:35
Joint EFC WP 13 / NACE Session on Corrosion Mechanisms and Corrosion Inhibition: Corrosion in Oil & Gas Production	Marine Corrosion / Maritime	
<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F; M.H. Achour, ConocoPhillips Company, Bartlesville OK/USA</i>	<i>U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S</i>	<i>Chair</i>
	Corrosion issues with duplex stainless steels for marine chemical tankers and storage tanks E. Johansson, C. Canderyd, R. Pettersson, Outokumpu, Avesta/S	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	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	14:25
„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	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	14:50
Corrosion inhibitor compatibility with others additives used in Oilfield T. Pou, ARKEMA/CECA, Pierre Benite/F	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	15:15
COFFEE BREAK		15:40
<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F; M.H. Achour, ConocoPhillips Company, Bartlesville OK/USA</i>	<i>U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S</i>	<i>Chair</i>
Studying the effect of two corrosion inhibitors in reducing the corrosion rate of 1018 carbon steel petroleum pipelines in sea water Q.R. Rihan, N.I. Al-Bakr, R.A. Shawabkeh, King Fahd University of Petroleum & Minerals, Dhahran/SAR	Panel Discussion: Future needs of corrosion legislation in Maritime U. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S D. Doyle, NACE International, Houston, TX/USA G. Ferrari, TNO Science and Industry, Den Helder/NL V. Karpov, N. Severtsov Institute of Ecology and Evolution (RAS), Moscow/RUS A.-M. Grolleau, DCNS Cherbourg NA, Cherbourg-Octeville/F	16:15
Surface chemical characterization of environmentally acceptable polymeric corrosion inhibitors for oilfield use P.-E. Hellberg, AkzoNobel Surface Chemistry AB, Stenungsund/S		16:40
Automated systems of complex corrosive monitoring and prospects of application of acoustic emission method in their structure V.G. Kharebov, INTERUNIS Ltd, Moscow/RUS		17:05
		17:30
Conference Dinner		20:00

Room	Amphitheater hall	
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	
Room	Conference room A	Congress hall 3
	Corrosion of Archaeological and Heritage Artefacts: from Mechanism Studies to Conservation Strategies (WP 21)	Corrosion and Scale Inhibition (WP 1)
Chair	<i>D.E. Watkinson, Cardiff University/UK</i>	<i>G. Schmitt, Iserlohn University of Applied Sciences/D and IFINKOR – Institut für Instandhaltung und Korrosionsschutztechnik gGmbH, Iserlohn/D</i>
9:55	Alternative coatings for stabilization of iron archaeological artefacts <i>J. Stoullil, E. Kreanova, T. Jamborova, R. Mundil, Institute of Chemical Technology, Prague/CZ</i>	Cu(II), Co(II) and Ni(II) complexes of -Br and -OCH₂CH₃ substituted Schiff bases as corrosion inhibitors for aluminium in acidic media <i>A. Aytaç, Gazi University, Ankara/TR</i>
10:20	Contribution of VIAM to restoration of V.I. Mukhina's sculpture "Worker and collective farmer" <i>S.A. Karimova, V.Ya. Belous, A.D. Zhirnov, Russian Institute of Aviation Materials, Moscow/RUS</i>	Corrosion inhibition by environmental friendly sodium metavanadate-spirulina system <i>V. Sribharathy, Madurai Kamraj University, Dindigul/IND; S. Rajendran, Taminadu Teachers Education University, Chennai, Thogamalai/IND</i>
10:45	COFFEE BREAK	
11:20	Enrichment of silver at the gold layer of gilt silver embroidery wires of qaaba curtains <i>G. Simsek, A.F. Çakir, Istanbul Technical University/TR</i>	Influence of henna extract on the inhibition efficiency of Diethylenetriaminepentamethylene Phosphonic acid-Zn²⁺ System <i>B. Shyamala Devi, Anna University, Coimbatore, Tiruchengode/IND; S. Rajendran, Taminadu Teachers Education University, Chennai, Thogamalai/IND</i>
11:45	Non-invasive assessment of the corrosion behaviour of precious artefacts displayed in museum showcases <i>E. Angelini, S. Corbellini, S. Grassini, Y. Mao, M. Parvis, M. Piantanida, Politecnico di Torino/I</i>	Corrosion inhibition by an aqueous extract of turmeric powder – (curcuma longa l) – a medicinal plant <i>V. Saravanakumar, Rajasthan Drugs and Pharmaceuticals Ltd. Jaipur, Rajasthan/IND; S. Rajendran, Servite College of Education for Women, Thogamalai/IND</i>
12:10	Some corrosion issues in ancient Chinese brass coins – influence of minor elements in corrosion susceptibility <i>M.J. Furtado, R.J.C. Silva, F.M. Braz Fernandes, Universidade Nova de Lisboa, Caparica/P; M.F. Araújo, Instituto Tecnológico e Nuclear, Sacavém/P</i>	Inhibition corrosion of mild steel by liquorices <i>M. Koolivand-Salooki, M. Peykari, Petroleum University of Technology, Ahwaz/IR; A.R. Kiani-Rashid, Ferdowsi University of Mashhad/IR</i>
12:35	LUNCH BREAK	
	Corrosion of Archaeological and Heritage Artefacts: from Mechanism Studies to Conservation Strategies	Microbial Corrosion (WP 10)
Chair	<i>E. Angelini, Politecnico di Torino/I</i>	<i>R. Gubner, Curtin University of Technology, Perth/AUS</i>
14:00	Analytical approaches for corrosion investigation and conservation of copper-based artifacts in Egypt <i>N. Abdel Ghany, V.K. Gouda, National Research Centre, Cairo/ET</i>	KEYNOTE LECTURE Tubercles and localized corrosion on carbon steel <i>R.I. Ray, J.S. Lee, B.J. Little, Naval Research Laboratory, Stennis Space Center, MS/USA</i>
14:25	Studying the mechanisms of long-term atmospheric corrosion of steel: new strategies for protection of cultural heritage artefacts <i>H. Faiz, 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</i>	
14:50	In-situ monitoring by μXRD and μXAS of the corrosion products' evolution on ferrous archaeological artefacts during a dechlorination treatment <i>F. Kergourlay, D. Neff, E. Foy, P. Dillmann, CEA Saclay, Gif sur Yvette/F; S. Reguer, Synchrotron SOLEIL, Gif sur Yvette/F; F. Mirambet, C2RMF, Paris/F; E. Guilminot, Arc'Antique, Nantes/F; C. Rémazeilles, P. Refait, LEMMA, La Rochelle/F</i>	Menace of micro biological corrosion in hydrostatic testing <i>D. Mankar, Bechtel Corporation, Houston, TX/USA</i>
15:15	Modelling the corrosion of chloride infested archaeological iron: what can it tell us about corrosion rate of real objects? <i>D.E. Watkinson, Cardiff University/UK</i>	Electrochemical studies on corrosion of pure copper influenced by <i>desulfovibrio</i> sp <i>M. Onan, 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</i>
15:40	COFFEE BREAK	
16:15	An electrochemical impedance spectroscopy system for the in-situ assessment of the conservation state of archaeological bronzes <i>E. Angelini, S. Corbellini, S. Grassini, M. Parvis, M. Piantanida, Politecnico di Torino/I</i>	A study of electron transfer processes through biofilms in marine environments <i>A. Heyer, 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</i>
16:40	Real time corrosion monitoring system for protection of cultural heritage <i>M. Kouril, 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. Stoullil, Institute of Chemical Technology, Prague/CZ; Y. Degres, nke SA, Hennebont/F</i>	Mitigation of biofouling and microbial induced corrosion using non-biocidal, sol-gel coatings <i>R. Akid, J. Gittens, H. Wang, T.J. Smith, D. Greenfield, Sheffield Hallam University/UK</i>
17:05	Environmental degradation studies on some ancient metallic artifacts of Jiroft civilization (3 millennium BC) <i>M. Saremi, University of Tehran/IR; M. Bakhshandehfar, A. Soltaninejad, University of Art, Tehran/IR</i>	Physicochemical aspects of microorganisms interaction with passive films on the alloys <i>I.A. Beleneva, A.V. Zhirmunsky Institute of Marine Biology FEB (RAS), Vladivostok/RUS; U.V. Kharchenko, Institute of Chemistry FEB (RAS), Vladivostok/RUS; V.A. Karpov, A.N. Severtzov Institute of Ecology and Evolution (RAS), Moscow/RUS</i>
17:30	WP 21 Business Meeting	Reactive oxygen species in corrosion of metals <i>M.V. Chelnokova, 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</i>
20:00	Conference Dinner	

Amphitheater hall		Room
INVITED PLENARY LECTURE		9:00
The effects of air pollution and climate on materials including cultural heritage J. Tidblad, Swerea KIMAB AB, Stockholm/S		
BREAK FOR CHANGING THE LECTURE HALL		9:45
Angara hall	Conference room B	Room
Cathodic Protection (WP 16)	Nuclear Corrosion (WP 4)	
<i>M. Roche, Le Mesnil-le-Roi/F; L. Di Biase, Isproma, Rome/I</i>	<i>D. Féron, Commissariat à l'Énergie Atomique (CEA)/Saclay, Gif-sur-Yvette/F; V. Peretrukhin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	<i>Chair</i>
Evaluation and mitigation of AC interference in dense right of ways: a PEMEX experience J. César Sanchez Torres, PEMEX, México D.F./MEX	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	9:55
Cathodic protection of LPG mounded vessels – specific solutions for particular problems O. Fumei, L. Di Biase, R. Cigna, Isproma, Rome/I; A. Al Humaid, Y.I.M. Riad, GASCO, Riyadh/SAR	Understanding of corrosion mechanisms of hydrided zirconium alloys during oxidation in PWR conditions C. Bisor-Melloul, M. Tupin, 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	10:20
COFFEE BREAK		10:45
Lightning protection for petroleum and gas plants – new EMC System solutions D. Soleil, 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	Application of polymer coatings for repair and restore of heat-exchange equipment in power engineering N.V. Pechnikov, R&D ROCOR Ltd, Moscow/RUS; V.A. Golovin, A.B. Ilin, V.A. Shchelkov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS	11:20
New aspects of expanded constructions cathodic protection A.V. Timonin, V.F. Sinko, V.A. Timonin, Russia Scientific and Research Institute of Corrosion, Moscow/RUS	Development of new kind of corrosion protection coatings in lead at temperature of 500°C M. Utilli, ENEA, Camugnano/I; R. Scarfiello, Università di Bologna/I; A. Gessi, P. Agostini, ENEA, Camugnano/I	11:45
Corrosion behavior and mechanical properties of 316 stainless steels under cathodic protection in 3.5% NaCl solution F. Hedaïat, Azad University, Behbahan - Khuzestan/IR; T. Shahrabi, Tarbiat Modares University, Tehran/IR		12:10
LUNCH BREAK		12:35
Cathodic Protection (WP 16)	Nuclear Corrosion (WP 4)	
<i>M. Roche, Le Mesnil-le-Roi/F; L. Di Biase, Isproma, Rome/I</i>	<i>D. Féron, Gif-sur-Yvette/F; V. Peretrukhin, Moscow/RUS</i>	<i>Chair</i>
Modern conception of the complex corrosion diagnostics for underground pipelines and tanks V.V. Pritula, JSC VNIIST, Moscow/RUS	KEYNOTE LECTURE Electrochemical study of uranium metal corrosion and dissolution in neutral solutions and nitric acid based electrolytes A.G. Maslennikov, V.F. Peretrukhin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS	14:00
The influence of cathodic protection time gaps on pipe wall of gas main corrosion condition under insulating coating disbondment N.K. Shamsheidinova, Gazprom VNIIGAZ LLC, Moscow/RUS; N.A. Petrov, Gazprom Gaznadzor, Ltd., Moscow/RUS		14:25
Coatings performance from the X100 field trial A. Jadoon, BP Exploration and Production Technology, Sunbury/UK; I. Thompson, GL Industrial Services, Loughborough/UK	Corrosion of ²³⁸Pu and ²³⁹Pu metals in contact with air V.F. Peretrukhin, A.G. Maslennikov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS	14:50
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; F. Akvan, J. Mofidi, Islamic Azad University, Tehran/IR	A method for determining safe concentrations of chloride ions in pitting corrosion of steels in nitrate media V.P. Rasygraev, M.V. Lebedeva, A.I. Shcherbakov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS	15:15
COFFEE BREAK		15:40
Joint Session: Cathodic Protection in Concrete (WP 16)	Nuclear Corrosion (WP 4)	
<i>M. Raupach, RWTH Aachen University/D; M. Roche, Le Mesnil-le-Roi/F</i>	<i>D. Féron, Gif-sur-Yvette/F; V. Peretrukhin, Moscow/RUS</i>	<i>Chair</i>
Design of a cathodic protection system for a refurbished jetty B. Tanner, J. La Fontaine, M. Surkein, ExxonMobil Development Company, Houston, TX/USA; J. Preston, Corrosion Prevention Limited, Hednesford/UK	Corrosion experiments of reference steels in flowing LBE and Pb A. Gessi, ENEA, Camugnano/I; M. Paglio, Politecnico di Torino/I; M. Agostini, P. Agostini, ENEA, Camugnano/I	16:15
Numerical evaluation of chloride migration caused by cathodic protection of RC-structures C. Helm, M. Raupach, C. Wolf, RWTH Aachen University/D	Oil fuel based protective liquids application in tanks of hot water-supply I.R. Tatur, Y.A. Musalov, D.V. Sharafutdinova, B.P. Tonkonogov, Gubkin Russian State University of Oil & Gas, Moscow/RUS	16:40
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	Ageing experiment of iron with marker in climatic chamber in order to achieve long term atmospheric corrosion prediction E. Burger, M. Fenart, S. Perrin, D. Neff, P. Dillmann, CEA Saclay, Gif-sur-Yvette/F	17:05
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	WP News	17:30
Conference Dinner		20:00

Room	Amphitheater hall	
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	
Room	Dvina hall	
	Corrosion of Steel in Concrete (WP 11)	
Chair	<i>M. Raupach, RWTH Aachen University/D</i>	
9:55	Efficiency of concrete coatings to control chloride induced corrosion of rebars <i>F. Bolzoni, A. Brenna, M. Ormellese, Politecnico di Milano/I</i>	
10:20	The influence of admixed nano-aggregates on corrosion performance of reinforced mortar <i>J. Hu, D. Koleva, K. van Breugel, J. Mol, J. de Wit, Delft University of Technology/NL</i>	
10:45	COFFEE BREAK	
11:20	An experimental and numerical analysis of the cracking processes due to corrosion in a reinforced concrete beam <i>B. Richard, M. Quiertant, V. Bouteiller, L. Adelaide, M. Perrais, J.L. Tailhan, French Public Works Laboratory, Paris/F; C. Cremona, MEEDDM, Paris-La Défense/F</i>	
11:45	Physicochemical principles for the creation of migrating corrosion inhibitors <i>N.N. Andreev, E.V. Starovoytova, I.A. Gedvillo, A.S. Zhmakina, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	
12:10	Inhibition of rebar corrosion in chloride polluted carbonated concrete by two specific inhibitors <i>A. Frignani, C. Monticelli, A. Balbo, D. Gelli, F. Zucchi, University of Ferrara/I</i>	
12:35	LUNCH BREAK	
	Workshop on Nanotechnologies	
Chair	<i>Yu.I. Kuznetsov, A.N. Khodan, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	
14:00	Oxidation/corrosion resistance of nanocrystalline vis-a-vis microcrystalline Fe-Cr alloys <i>R. Gupta, R. Singh, Monash University, Melbourne/AUS; C.C. Koch, North Carolina State University, Raleigh, NC/USA</i>	
14:25	Triggered release of intercalated organic inhibitors from layered double hydroxide nanocontainers: a systematic study <i>J. Tedim, A. Kuznetsova, S. Kallip, A. Salak, M.L. Zheludkevich, M.G.S. Ferreira, University of Aveiro/P</i>	
14:50	Nanotechnologies fighting against corrosion and other complications in extraction and transportation of water-cut oil <i>D.E. Bugay, R. Akhilarov, Ufa State Petroleum Technological University/RUS; A. Laptev, JSC „Company Nalko“, Moscow/RUS</i>	
15:15	Physical and chemical properties of the oxides formed at the surface of liquid metallic alloys <i>A.N. Khodan, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	
15:40	COFFEE BREAK	
16:15	Interrelation of surface composition and corrosion behavior of nanosized multicomponent cathodic catalysts for fuel cells <i>M.R. Tarasevich, V.A. Bogdanovskaya, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	
16:40	Antiscale plasma electrolytic oxidation coatings <i>A.N. Minaev, S.V. Gnedenkov, S.L. Sinebryukhov, D.V. Mashtalar, Institute of Chemistry FEB (RAS), Vladivostok/RUS</i>	
17:05		
17:30		
20:00	Conference Dinner	

Amphitheater hall		Room
INVITED PLENARY LECTURE		9:00
Composite polymer protective coatings for use in aggressive media V.A. Golovin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS		
BREAK FOR CHANGING THE LECTURE HALL		9:45
Congress hall 1	Amphitheater hall	Room
Coatings (Metallic) (WP 14)	Corrosion Mechanisms & Methods (WP 6 & 8)	
<i>S. Rossi, University of Trento/I</i>	<i>P. Marcus, École Nationale Supérieure de Chimie de Paris/F; J.M.C. Mol, Delft University of Technology/NL</i>	<i>Chair</i>
Corrosion of tantalum coated construction materials for water electrolyzers in concentrated phosphoric acid <i>M. Kouril, Institute of Chemical Technology, Prague/CZ; E. Christensen, Technical University of Denmark, Copenhagen/DK; S. Eriksen, B. Gillesberg, Tantaline, Nordborg/DK</i>	Influence of chromium and vanadium grain-growth inhibitors on the corrosion behavior of WC-Co hardmetals <i>E. Kellner, E. Spiecker, S. Virtanen, Universität Erlangen-Nürnberg, Erlangen/D</i>	9:55
Corrosion resistance of Zn/Co alloy coated carbon steel <i>J.M. Falcón, A.C. Neiva, I.V. Aoki, University of São Paulo/BR</i>	Influence of metallurgical parameters on electrochemical behaviour of electrodeposited nickel coatings <i>A. Godon, J. Creus, X. Feaugas, C. Savall, University of La Rochelle/F</i>	10:20
Influence of silicon and magnesium on the corrosion behaviour of hot dip aluminium coatings on steel <i>I. Schoukens, I. De Graeve, Vrije Universiteit Brussel/B; F. Horzenberger, OCAS, Zelzate/B; H. Terryn, Vrije Universiteit Brussel/B</i>	The causes of electrochemical corrosion of phase homogeneous and heterogeneous iron-chromium alloys <i>I.I. Reformatskaya, A.N. Podobaev, Karpov Institute of Physical Chemistry, Moscow/RUS</i>	10:45
COFFEE BREAK		11:10
Electrochemical preparation and characterization of Ni/Al₂O₃ functionally graded coatings <i>E. García-Lecina, I. García-Urrutia, J.A. Díez, Fundación Cidetec, San Sebastián/E; F. Smeacetto, Politecnico di Torino/I; G. Gautier, CNRS-ISTEC, Torino/I</i>	Silicon dissolution under negative and positive polarizations in HF free media <i>D. Starosvetsky, T. Zaid, Y. Ein-Eli, Technion-Israel Institute of Technology, Haifa/IL</i>	11:45
Corrosion resistance of Ni/SiC and Ni/Al₂O₃ nanocomposites electrodeposited under ultrasonic vibrations <i>C. Zanella, M. Lekka, P.L. Bonora, S. Rossi, University of Trento/I</i>	Thermodynamic calculation of the Flade potential of metals Fe, Ni and Cr taking account of their surface Gibbs energy <i>Yu.Ya. Andreev, Moscow Institute of Steel and Alloys, Moscow/RUS</i>	12:10
Potentiostatic current transients at electrochemical nucleation <i>Y.D. Gamburg, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>	Mutual influence of simultaneously proceeding electrode reactions: from competitive adsorption to thermodynamic coupling <i>I.D. Zartsyn, Voronezh State University/RUS</i>	12:35
Tantalum surface alloys: next generation of corrosion protection <i>S. Eriksen, Tantaline A/S, Nordborg/DK</i>	Kinetics and mechanism of nanoobjects formation on single crystal electrodes <i>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</i>	13:00
BREAK FOR CHANGING THE LECTURE HALL		13:25
Amphitheater hall		Room
Closing Remarks		13:35
End of Scientific Programme		13:50

Room	Amphitheater hall	
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	
Room	Congress hall 2	Press hall
	Corrosion in Oil & Gas Production (WP 13)	Workshop on Corrosion in Natural Environments
Chair	<i>T. Chevrot, TOTAL S.A., Paris-La Défense/F;</i> <i>J. Kittel, Institut Français du Pétrole, Solaize/F</i>	<i>A.I. Marshakov, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>
9:55	Research of corrosion activity and efficiency of protection of the Oil & Gas producing equipment of JV Vietsovpetro <i>L.C. Thuy, A.L. Bushkovskiy, N.T. Khang, T.N. Gallyamov, Vietsovpetro, Vung Tau/VN</i>	Monitoring of external corrosion of underground steel pipelines <i>A.I. Marshakov, M.A. Petrunin, V.E. Ignatenko, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS</i>
10:20	Fighting against corrosion in oil and gas complex of Russia: problems and the ways of their solving <i>A. Laptev, OJSC Company Nalko, Moscow/RUS; D.E. Bugay, Ufa State Petroleum Technological University/RUS</i>	Corrosion behaviour of Mg/Al alloys in humid and saline atmospheres <i>R. Arrabal, A. Pardo, M.C. Merino, P. Casajús, M. Moledano, Universidad Complutense de Madrid/E; S. Merino, Universidad Alfonso X el Sabio, Madrid/E; E. Matykina, Centro Nacional de Investigaciones Metalúrgicas, Madrid/E</i>
10:45	Corrosivity of the produced fluids with regard to equipment and pipelines in oil and gas industries <i>R.K. Vagapov, Gazprom VNIIGAZ LLC, Razvilka/RUS</i>	The protection effect mechanism of the metallic aluminium coat in the humid tropical climate <i>I.L. Kharina, CNIITMASH, Moscow/RUS; R.A. Tupikov, GIDROPRESS, Podolsk/RUS</i>
11:10	COFFEE BREAK	
11:45	Analysis of field pipeline failures in the West Siberian oil producing organizations <i>A. Gumerov, I.P. Hudyakova, A.T. Faritov, State Company Institute for Power Resources Transportation, Ufa/RUS</i>	Effects of geomagnetic disturbances on pipelines <i>Ya. Sakharov, Polar Geophysical Institute, Apatity/RUS; L. Trichtchenko, D.H. Boteler, Geomagnetic Laboratory, Ottawa, ON/CDN</i>
12:10	Modern trunk pipeline in-line diagnostics technologies to detect corrosion-related defects <i>V.A. Kanaykin, ZAO NPO Spetsneftegaz, Moscow/RUS; O.I. Steklov, Gubkin Russian State University of Oil & Gas, Moscow/RUS</i>	The carbonaceous steel and copper protection in atmosphere with the high SO₂ content impact conditions <i>N.V. Schel, O.G. Chetyrina, A.Y. Osetrov, Tambov State Technical University/RUS</i>
12:35	Forecasting of the lifecycle of gas pipeline section with the corrosion defects <i>V.V. Kharionovsky, Gazprom VNIIGAZ LLC, Razvilka/RUS</i>	Corrosion fatigue of AZ91C Magnesium alloy in aqueous solutions <i>M. Shoeib, Central Metallurgical Research & Development Institute, Cairo/ET; M. Aldarwish, Y. Barakat, Tebbin Institute for Metallurgical Studies (TIMS), Cairo/ET</i>
13:00		
13:25	BREAK FOR CHANGING THE LECTURE HALL	
Room	Amphitheater hall	
13:35	Closing Remarks	
13:50	End of Scientific Programme	

Amphitheater hall		Room
INVITED PLENARY LECTURE		9:00
Composite polymer protective coatings for use in aggressive media V.A. Golovin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry (RAS), Moscow/RUS		
BREAK FOR CHANGING THE LECTURE HALL		9:45
Conference room A	Congress hall 3	Room
Tribocorrosion (WP 18)	Microbial Corrosion (WP 10)	
<i>S.K. Ghosh, Katholieke Universiteit Leuven/B</i>	<i>R. Gubner, Curtin University of Technology, Perth/AUS</i>	<i>Chair</i>
Methods of detecting hydrogen stress corrosion cracking and its protection in tribochemical environments <i>X. Zhou, B. Han, SKF Engineering and Research Centre, Nieuwegein/NL</i>	KEYNOTE LECTURE A new model for microbiologically influenced corrosion <i>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</i>	9:55
Wear, erosion- and corrosion-resistant coatings for extreme applications of oil-gas industry <i>Yu.V. Lakhotkin, 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</i>		10:20
Tribocorrosion properties of PM duplex stainless steel <i>F. Martin, C. Garcia, Y. Blanco, University of Valladolid/E</i>	A predictive model for microbiologically influenced corrosion in oilfield pipelines <i>P. Smith, S. Roy, D. Swailes, Newcastle University/UK; J. Lawsom, D. Page, Chevron Upstream Europe, Aberdeen/UK; S. Maxwell, Intertek Commercial Microbiology, Aberdeen/UK</i>	10:45
COFFEE BREAK		11:10
Corrosion and tribocorrosion behaviour of thermally sprayed ceramic coatings on steel <i>C. Monticelli, A. Balbo, F. Zucchi, University of Ferrara/I</i>	Characterization of biofilm/deposit complexes associated with Microbiologically Influenced Corrosion (MIC) in European harbours <i>F. Marty, Delft University of Technology/NL; J.M. Sánchez-Amaya, Titanias, Ensayos y Proyectos Industriales, Puerto de Santa María/E; E. Ilhan-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</i>	11:45
Corrosion and tribocorrosion of electrodeposited CoW-WC nanocomposite coatings <i>S.K. Ghosh, J.P. Celis, Katholieke Universiteit Leuven/B</i>	Influence of microfouling on sea corrosion and destruction of sheetings <i>V.A. Karpov, 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</i>	12:10
Tribocorrosion behaviour of ferritic and ferritmartensitic stainless steels <i>N. Mary, B. Normand, Université de Lyon, Villeurbanne/F; L. Peguet, Arcelor Mittal Stainless Europe Research Center, Isbergues/F</i>	Biological corrosion of the metals applied in the atomic power station <i>G.V. Zhdanova, J.L. Kovalchuk, A.N. Severtsov Institute of Ecology and Evolution (RAS), Moscow/RUS</i>	12:35
Influence of the carbon content on the tribocorrosion performance of DLC coatings for artificial joints <i>R. Bayon, A. Igartua, X. Fernandez, U. Ruiz de Gopegui, Fundación Tekniker, Eibar/E</i>	Consequences of biodeteriorations of objects of an infrastructure and engineering structural materials in the metropolis <i>V.A. Krylenkov, St. Petersburg State University/RUS; O.P. Poltarukha, A.N. Severtsov Institute of Ecology and Evolution (RAS), Moscow/RUS</i>	13:00
BREAK FOR CHANGING THE LECTURE HALL		13:25
Amphitheater hall		Room
Closing Remarks		13:35
End of Scientific Programme		13:50

Room	Amphitheater hall	
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	
Room	Angara hall	Conference room B
	Joint Session: Local Microprobes to Study Surface Treatments and Coatings Produced by Nanotechnologies (WP 6 & WP 8 & WP 14)	Corrosion Education and Computer Applications (WP 7)
Chair	<i>to be confirmed</i>	<i>R.A. Cottis, The University of Manchester/UK</i>
9:55	Electrochemical deposition of copolymers in titania nanotube layers T. Djenizian, N. A. Kyremateng, I. Hanzu, F. Vacandio, P. Knauth, University of Provence, Marseille/F	Interdisciplinary relationships in corrosion education at school, college and university A. Groysman, O. Groysman, ORT Braude College of Engineering, Karmiel/IL
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	About the training of experts in the field of protection against corrosion at Mendeleyev University of Chemical Technology of Russia (MUCTR) Y.I. Kapustin, T.A. Vagramyan, D. Mendeleyev University of Chemical Technology of Russia, Moscow/RUS
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	Association of corrosion engineers (VACOR) offers skills upgrading to corrosion practitioners V.A. Rabinkov, Association of Corrosion Engineers, Moscow/RUS
11:10	COFFEE BREAK	
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	Updating the content of the course „Corrosion and protection of metals“ delivered in Udmurt State University S.M. Reshetnikov, Udmurt State University, Izhevsk/RUS
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	Problems of corrosion education in oil-and-gas branch M.L. Medvedeva, Gubkin Russian State University of Oil & Gas, Moscow/RUS
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	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	
Room	Amphitheater hall	
13:35	Closing Remarks	
13:50	End of Scientific Programme	