

EUROCORR 2011 - Oral Programme from 5 to 8 September 2011**Opening / Plenary Lectures**

Time	
	Monday, 5 September 2011
	Opening Ceremony: I. Annergren, KIMAB, Chair of EUROCORR 2011
08:45	J.-O. Nilsson, Senior R&D Advisor within Metallurgy, Sandvik Materials Technology and Professor in Applied Physics, Chalmers University of Technology P. Marcus, EFC President
09:15	EFC Medal Award Presentation and Lecture
09:45	INVITED PLENARY LECTURE Atomic Emission Spectroelectrochemistry: a new look at the corrosion, dissolution and passivation of complex materials K. Ogle, CNRS - ENSCP, Paris/F
10:30	Coffee Break

	Tuesday, 6 September 2011
09:00	INVITED PLENARY LECTURE Trends and drivers in the development and use of stainless steels P. Samuelsson, Outokumpu Group, Stockholm/S
09:45	Break for Changing Lecture Hall

	Wednesday, 7 September 2011
09:00	INVITED PLENARY LECTURE Long term damage to metallic heritage P. Brimblecombe, University of East Anglia, Norwich/UK
09:45	Break for Changing Lecture Hall

	Thursday, 8 September 2011
09:00	INVITED PLENARY LECTURE "Acts of Secrecy-The DC-3 That Disappeared" C.H. Tengnér, The Army Museum, Stockholm/S
09:45	Break for Changing Lecture Hall

EUROCORR 2011 - Oral Programme (as of 2 September 2011)

ID	Time	
		Monday, 5 September 2011
		Sol-Gel Coatings (WP 14)
		Chairs: L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
4782	11:00	Novel anti-corrosion coatings for improved corrosion protection of Mg alloys for aeronautic applications F. Brusciotti, <u>D.V. Snihirova</u> , S.V. Lamaka, M.G.S. Ferreira, M.F. Montemor, IST Lisbon/P
4665	11:20	Corrosion protection studies of sol-gel thin films on magnesium alloys in NaCl aqueous solutions <u>A.A. El Hadad</u> , S. Feliu Jr, A. Samaniego, National Center for Metallurgical Research (CENIM), Madrid/E; V. Barranco, Institute of Materials Science of Madrid (ICMM)/E; A. Jiménez-Morales, Carlos III University of Madrid/E; J.C. Galván, National Center for Metallurgical Research (CENIM), Madrid/E
4544	11:40	Investigation of the efficiency against aluminium alloys corrosion of Sol-Gel coatings containing boehmite nanoparticles <u>O. Jaubert</u> , R. Bleta, M. Gressier, P. Lenormand, J.P. Bonino, F. Ansart, M.J. Menu, University of Toulouse/F
4511	12:00	Corrosion protection of a cx13vdw martensitic stainless steel by a bi-layer system: conversion layer and hybrid sol-gel coating <u>J.B. Cambon</u> , F. Ansart, J.P. Bonino, Paul Sabatier University, Toulouse/F
4493	12:20	Corrosion protection of aluminium by cerium oxides thin films deposited by reactive sputtering magnetron <u>M.-E. Druart</u> , S. Ershov, R. Snyders, M.-G. Olivier, University of Mons/B
	12:40	Lunchtime
		Sol-Gel Coatings/ Self-Healing Coatings (WP 14)
		Chairs: L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
4472	14:00	Development of repair layers for technical enamels using micro- and nanoparticles in sol gel systems <u>S. Benfer</u> , W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
4479	14:20	Development of innovative nanoparticle-based protective coatings for the production of high-strength steel compounds by press-hardening <u>M. Yekehtaz</u> , S. Benfer, DECHEMA e.V., Frankfurt am Main/D; K. Klesen, W. Bleck, RWTH Aachen/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
4639	14:40	Electrochemical techniques for the evaluation of the corrosion resistance of sol-gel coatings on architectural copper products M. Faustini, A. Pehkonen, J. Aromaa, <u>O. Forsén</u> , Aalto University, Espoo/FIN
4632	15:00	Self-healing anticorrosive organic coating based on encapsulated healing-agent: local electrochemical evaluation Y. González-García, S.J. García, TU Delft/NL; H.R. Fischer, TNO Materials Performance, Eindhoven/NL; A.E. Hughes, CSIRO Materials Science & Technology, Clayton South/AUS; <u>J.M.C. Mol</u> , TU Delft/NL
	15:20	Coffee Break

		Self-Healing Coatings (WP 14)
		Chairs: L. Fedrizzi, University of Udine/I; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
4688	15:50	Self-healing polymer coatings in corrosive environments <u>S.H. Cho</u> , POSCO, Pohang/ROK; S.M. Jeon, Postech University, Pohang/ROK
4842	16:10	Effect of loaded inorganic nanocontainers into epoxy coatings for protection of AA 2024-T3 against corrosion <u>A. Balaskas</u> , I. Kartsonakis, A. Karatzas, G. Kordas, NCSR Demokritos, Aghia Paraskevi/GR
4459	16:30	Anticorrosion protection mechanism offered by organic and inorganic REM salts in aqueous solution and epoxy organic coatings <u>S.J. Garcia</u> , TU Delft/NL; A.E. Hughes, T. Markley, CSIRO Materials Science and Engineering, Melbourne/AUS; Y. Gonzalez-Garcia, J.M.C. Mol, TU Delft/NL
4869	16:50	Improvement of anticorrosion properties of epoxy coatings on steel with nanocontainers <u>I. Kartsonakis</u> , A.C. Balaskas, A.E. Karatzas, G.C. Kordas, NCSR Demokritos, Aghia Paraskevi/GR
		Monday, 5 September 2011
		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: J.M.C. Mol, Delft University of Technology/NL
4867	11:00	The application of local tunneling spectroscopy to probe the electronic structure of passive films on nickel <u>P. Marcus</u> , T. Massoud, F. Wiame, L. Klein, A. Seyeux, V. Maurice, CNRS - ENSCP, Paris/F
4953	11:20	Investigation of the long term corrosion phenomenon by an innovative characterisation tool: scanning transmission x-ray microscopy A. Michelin, M. Saheb, E. Drouet, <u>D. Neff</u> , CEA Saclay, Gif-sur-Yvette/F; K. Benzerara, CNRS - ENSCP, Paris/F; P. Dillmann, CNRS - French National Center for Scientific Research, Gif-sur-Yvette/F; S. Gin, CEA CEN-VALRHO, Bagnols-sur-Cèze/F
4528	11:40	Nanoplasmonic sensing to complement traditional corrosion sensing techniques <u>M. Schwind</u> , C. Langhammer, B. Kasemo, I. Zoric, Chalmers University of Technology, Göteborg/S
1059	12:00	Characterisation of the passivity of CoCrMo alloys by EQCM and XPS <u>C. Valero Vidal</u> , Politechnical University of Valencia/E; S. Mischler, EPFL, Lausanne/CH; C.-O.A. Olsson, Uppsala University/S; A. Igual Muñoz, Politechnical University of Valencia/E
	12:40	Lunchtime
		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: P. Marcus, ENSC, Paris/F
1035	14:00	Atomic emission electrochemistry (AESEC) study of the degradation mechanism of a model high temperature paint system <u>M. Serdechnova</u> , P. Volovitch, K. Ogle, CNRS - ENSCP, Paris/F
4468	14:20	Depth profiling on stainless steel with ARXPS and high kinetic energy photoelectron spectroscopy <u>W. Fredriksson</u> , C.-O.A. Olsson, S. Malmgren, T. Gustafsson, Uppsala University/S; M. Gorgoi, Helmholtz-Zentrum Berlin/D; K. Edström, Uppsala University/S
4784	14:40	Features of copper passivity in alkaline solutions <u>D. Starosvetsky</u> , E. Abelev, J. Starosvetsky, Y. Ein-Eli, Technion - Israel Institute of Technology, Haifa/IL
1052	15:00	In-situ ellipsometric study and point defect modelling of passivity on iron in borate buffer solutions Z. Lu, <u>D. Macdonald</u> , Pennsylvania State University, University Park, PA/USA

	15:20	Coffee Break
		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: K. Fushimi, Hokkaido University, Sapporo/J
4581	15:50	Activity and passivity mechanisms of tin plated metal packaging <u>B. Boelen</u> , Tata Steel Research, IJmuiden/NL; J.M.C. Mol, TU Delft/NL; D.H. van der Weijde, Tata Steel Research, IJmuiden/NL; J.H.W. de Wit, TU Delft/NL
4786	16:10	Porous oxides for self-repair on corroding metals I.S. Cole, CSIRO Materials Science and Engineering, Karaikudi/AUS; <u>M.S. Venkatraman</u> , CSIRO Material Science and Engineering, Clayton/AUS; S. Thomas, N. Shahzad, CSIRO Material Science and Engineering, Karaikudi/AUS and Monash University, Clayton/AUS; N. Birbilis, Monash University, Clayton/AUS; I.G. Bosco, Alagappa University, Karaikudi/IND; B. Emmanuel, Central Electrochemical Research Institute, Karaikudi/IND
4783	16:30	Self-healing at the cut edge <u>R. Krieg</u> , M. Rohwerder, MPI for Iron Research, Düsseldorf/D
4742	16:50	Relation between electrochemical behaviour and real dissolution of zinc investigated with a scanning flow cell <u>S.O. Klemm</u> , MPI for Iron Research, Düsseldorf/D; A.W. Hassel, University of Linz/A; K.J.J. Mayrhofer, MPI for Iron Research, Düsseldorf/D
		Monday, 5 September 2011
		Joint Session of EFC WP 13 / NACE TEG374X on Sour Service
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; R. Badrak, Weatherford Global Materials, Houston, TX/USA
4637	11:20	Sulfide stress cracking resistance of high strength low alloy steels for high H₂S pressure wells <u>F. Thebault</u> , H. Marchebois, L. Delattre, Vallourec Research Aulnoye, Aulnoye-Aymeries/F; C. Bosch, M. Hörstemeier, Salzgitter Mannesmann Forschung GmbH, Duisburg/D; J. Bernard, B. Orleans, J.-J. Servier, Vallourec & Mannesmann Tubes, Aulnoye-Aymeries/F; C. Linne, Vallourec & Mannesmann Tubes, Saint-Saulve/F
4725	11:40	Corrosion fatigue properties of low alloy steel in sour environments <u>K. Kobayashi</u> , J. Nakamura, T. Omura, Sumitomo Metal Industries, Ltd., Amagasaki/J; K. Hitoshio, Sumitomo Metal Industries, Ltd., Wakayama/J
4418	12:00	Mechanical properties and corrosion resistance of INCOLOY alloy 945X developed for sour deep oil and gas applications S. Mannan, Special Metals Corporation, Huntington, WV/USA
4538	12:20	Development of new 17Cr stainless steel OCTG with superior corrosion resistance <u>M. Kimura</u> , S. Ken, JFE Steel Co., Handa/J
	12:40	Lunchtime
		Joint Session of EFC WP 13 / NACE TEG374X on Sour Service
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; R. Badrak, Weatherford Global Materials, Houston, TX/USA
4736	14:00	Effect of micro alloying elements on SSC-resistance of OCTG <u>L. Moderer</u> , G. Mori, University of Leoben/A; G. Klösch, voestalpine Stahl Donawitz GmbH & Co KG, Leoben/A; J. Klarner, R. Sonnleitner, voestalpine Tubulars GmbH & Co KG, Kindberg-Aumühl/A
4876	14:20	Study on hydrogen diffusion in pipeline steels E. Fallahmohammadi, G. Fumagalli, G. Re, <u>F. Bolzoni</u> , L. Lazzari, Polytechnic University of Milan/I

4626	14:40	Effect of the specimen preparation on SSC resistance of carbon steel - influence of the residual stress state <u>C. Mendibide</u> , H. Michaud, ASCOMETAL, Hagondange/F; H. Marchebois, F. Pineau, V&M France, Aulnoyes-Aymeries/F
4941	15:00	Corrosion resistance of diamond-like carbon (DLC) lined pipe to high temperature and pressure hydrogen sulfide/carbon dioxide environments P. Ellis, <u>B. Chambers</u> , Honeywell Corrosion Solutions, Houston, TX/USA; W. Boardman, K. Boinapally, T. Casserly, R. Ramamurti, D. Upadhyaya, Sub-One Technology, Pleasanton, CA/USA
	15:20	Coffee Break
		Monday, 5 September 2011
		Corrosion in Refinery Industry (WP 15)
		Chair: F. Ropital, IFP Energies nouvelles, Solaize/F
4641	11:00	The influence of indirect oxidants in electrochemical oxidation of ammonia compounds in oil refinery wastewater <u>L. Candido</u> , J. A. Ponciano Gomes, Federal University of Rio de Janeiro/BR
4417	11:20	Comparative study between controlling technics of acid corrosion on crude unit overhead systems <u>D.L.N. Cypriano</u> , Petrobras, Duque de Caxias/BR; J.A.C. Ponciano, UFRJ, Rio de Janeiro/BR; H.C.M. Jambo, Petrobras, Rio de Janeiro/BR
4567	11:40	Ammonium bisulfide corrosion in refinery sour water strippers and the significance of cyanides <u>V.V. Lagad</u> , S. Srinivasan, Honeywell International, Inc., Houston, TX/USA
	12:40	Lunchtime
		Corrosion in Refinery Industry (WP 15)
		Chair: F. Ropital, IFP Energies nouvelles, Solaize/F
4574	14:00	Iso-corrosion curves of UNS S32760 and S32750 super duplex stainless steel in hydrochloric acid - the importance of sample activation J. Höwing, AB Sandvik Material Technology/S
4434	14:20	First time right: low cost, high quality thermally sprayed aluminium coatings for combating corrosion under insulation F. van Rodijnen, Sulzer Metco Europe GmbH, Hattersheim/D
4422	14:40	Corrosion of aboveground storage tanks containing fuels <u>A. Groysman</u> , R. Siso, ORT Braude College of Engineering, Karmiel/IL
4513	15:00	Corrosion monitoring technique using a special-design corrosion cooled probe <u>A. Adeleke</u> , B. Chambers, N. Phillip, M. Yunovich, J. Meng, Honeywell Corrosion Solutions, Houston, TX/USA
	15:20	Coffee Break
		Corrosion in Refinery Industry (WP 15)
		Chair: F. Ropital, IFP Energies nouvelles, Solaize/F
4456	15:50	The role of corrosion prediction and real-time corrosion measurement technologies in corrosion management A. Kelleher, H. Diekmann, <u>M. Renner</u> , Bayer Technology Services GmbH, Leverkusen/D

4565	16:10	Corrosion risk quantification in refineries through application of advanced corrosion prediction models <u>S. Srinivasan</u> , V. Lagad, Honeywell International, Inc., Houston, TX/USA
1036	16:30	Stress corrosion cracking of carbon steel in fuel grade ethanol denaturated with ETBE V. Hirsi, Aalto University, Espoo/FIN; <u>J. Torkkeli</u> , Neste Jacobs Oy, Porvoo/FIN; T. Saukkonen, H. Hänninen, Aalto University, Espoo/FIN
4946	16:50	Evaluation of the influence of PWHT and threshold stresses on ethanol SCC <u>A. Venkatesh</u> , B. Chambers, Honeywell Corrosion Solutions, Houston, TX/USA; R. Kane, iCorrosion LLC, Houston, TX/USA; J. Edmondson, Shell Projects and Technology, Houston, TX/USA
		Monday, 5 September 2011
		Environment Sensitive Fracture (WP 5)
		Chair: V. Olden, SINTEF Materials and Chemistry, Trondheim/N
4463	11:20	Cohesive zone simulation of cold cracking susceptibility in a hyperbaric weld of X70 structural steel <u>V. Olden</u> , SINTEF Materials and Chemistry, Trondheim/N; H. Fjær, IFE - Institute for Energy Technology, Kjeller/N; O.M. Akselsen, SINTEF Materials and Chemistry, Trondheim/N
4884	11:40	Effect of hydrogen absorption on mechanical properties of pure copper <u>Y. Yagodzhinsky</u> , O. Todoshchenko, T. Saukkonen, K. Savolainen, H. Hänninen, Aalto University, School of Engineering, Espoo/FIN
4844	12:00	Effect of different ternary elements on corrosion behaviour of Fe₃Al intermetallics <u>M. Zamanzade</u> , A. Barnoush, H. Vehoff, Saarland University, Saarbrücken/D
	12:40	Lunchtime
		Environment Sensitive Fracture (WP 5)
		Chair: K. Wolski, École Nationale Supérieure des Mines de Saint-Etienne/F
1091	14:00	Modelling high temperature local anodic acidification and stress corrosion cracking of iron H. Hoffmeister, ISS e.V., Hamburg
4942	14:20	Delayed fracture and stress corrosion cracking of FeMn-TWIP steels <u>F. Unterumsberger</u> , M. Pohl, University of Bochum/D
4426	14:40	Observation of stress corrosion cracking in super duplex stainless steel (Zeron 100) using digital image correlation <u>M. Al-Rabie</u> , The University of Manchester/UK; T.J. Marrow, University of Oxford/UK
4805	15:00	Mecano-electrochemical study of stress corrosion crack at crack tip: case of Zircaloy-4 in halide solution <u>E. Durif</u> , M. Fregonese, J. Rethore, A. Combescure, INSA de Lyon, Villeurbanne/F
	15:20	Coffee Break
		Environment Sensitive Fracture (WP 5)
		Chairs: V. Olden, SINTEF Materials and Chemistry, Trondheim/N; K. Wolski, École Nationale Supérieure des Mines de Saint-Etienne/F
4832	15:50	Influence of aluminium to liquid metal embrittlement of steel during hot dip galvanising <u>R. Feser</u> , K. Schnier, S. Haarmann, South Westphalia University of Applied Sciences, Iserlohn/D
4697	16:10	Modelling environmentally assisted cracking: review of main ingredients as a function of temperature K. Wolski, École Nationale Supérieure des Mines de Saint-Etienne/F

	16:30	WP 5 Business Meeting (to 17:10)
		Monday, 5 September 2011
		Workshop on the Corrosion of Biomaterials
		Chair: I. Odnevall Wallinder, Royal Institute of Technology, Stockholm/S
4825	11:00	Mg alloy corrosion and biocompatibility <u>F. Seuss</u> , S. Keim, M.C. Turhan, B. Fabry, S. Virtanen, University of Erlangen-Nuremberg, Erlangen/D
4907	11:20	Local, time- and element-resolved release from biodegradable Mg alloys using online micro-capillary plasma mass-spectrometer <u>N. Ott</u> , A. Tournier Fillon, P. Schmutz, EMPA - Swiss Federal Laboratories for Materials Science and Technology, Duebendorf/CH; C. Ludwig, PSI - Paul Scherrer Institute, Villigen/CH; A. Ulrich, EMPA - Swiss Federal Laboratories for Materials Science and Technology, Duebendorf/CH
4596	11:40	Influence of proteins on the corrosion resistance and extent of metal release from stainless steel grades in biological media <u>X. Wang</u> , M. Lundin, J. Hedberg, E. Blomberg, I. Odnevall Wallinder, KTH - Royal Institute of Technology, Stockholm/S
4597	12:00	Corrosion behaviour of ZrN/Ti ceramic solid solution in fluids simulating biological inflammatory conditions <u>A. Balbo</u> , C. Monticelli, University of Ferrara/I; V. Medri, Institute of Science and Technology for Ceramics, Faenza/I
	12:40	Lunchtime
		Monday, 5 September 2011
		Microbial Corrosion (WP 10)
		Chair: R. Gubner, University of Portsmouth/AUS
1008	14:00	Studies on corrosion protection for metals by extracellular polymeric substances R. Stadler, DECHEMA e.V., Frankfurt am Main/D; M. Grooters, <u>A. Kuklinski</u> , University of Duisburg-Essen, Essen/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D; W. Sand, University of Duisburg-Essen, Essen/D
4727	14:20	A combined EFM, AFM and SEM study for visualisation of bacteria on metal to study local corrosion processes (MIC) <u>A. Heyer</u> , Materials innovation institute (M2i), Den Helder/NL; F. D'Souza, G. Ferrari, TNO, Den Helder/NL; J.M.C. Mol, J.H.W. de Wit, TU Delft/NL
1017	14:40	The effect of different bacteria's on microbiological influenced corrosion behaviour on light alloys <u>A. Eliezer</u> , O. Levak, E. Baram, A. Koritny, Y. Shotland, Sami Shamon College of Engineering, Beer-Sheva/IL
4440	15:00	Studying the sulfidogenic biofilms with different salinities collected from oil field water tanks <u>A. Labena</u> , E. Müller, H. Horn, TU Munich/D
	15:20	Coffee Break
		Microbial Corrosion (WP 10)
		Chair: R. Gubner, University of Portsmouth/AUS
4613	15:50	Microbially influenced corrosion in household copper pipes systems <u>I. Vargas</u> , G. Pizarro, Pontifical Catholic University of Chile, Santiago/RCH

1101	16:10	Weak acids as catalysts of the cathodic reaction in anaerobic biocorrosion of steels L. De Silva Muñoz, Instituto de Investigaciones Eléctricas, Morelos/MEX; C. Cote, O. Rosas, A. Bergel, R. Basséguy, CNRS - University of Toulouse/F
	16:30	WP 10 Business Meeting (to 17:10)
		Monday, 5 September 2011
		Corrosion and Scale Inhibition (WP 1)
		Chair: G. Schmitt, IFINKOR, Iserlohn/D
4413	11:00	KEYNOTE Non-toxic corrosion inhibitors for aqueous media: a review D. Asefi, Islamic Azad University South Branch of Tehran, Karaj/IR; M. Arami, Amir Kabir University of Tehran/IR; N.M. Mahmoodi, Institute for Colorants, Paint and Coatings, Tehran/IR
4779	11:40	AFM imaging and FTIR analysis of adsorption and oxidation of mussel adhesive protein (<i>Mefp-1</i>) on carbon steel as corrosion inhibitor F. Zhang, J. Pan, P.M. Claesson, KTH - Royal Institute of Technology, Stockholm/S
4762	12:00	Electrochemical investigation of green film-forming corrosion inhibitors H. Wang, J. Pan, KTH - Royal Institute of Technology, Stockholm/S; P.R. Hellberg, Akzo Nobel Surface Chemistry AB, Stenungsund/S
4642	12:20	Green plant-based corrosion inhibitors for cooling water systems M. Cabanas, ArcelorMittal, Aviles/E; O. Conejero, ITMA Materials Technology, Aviles/E
	12:40	Lunchtime
		Corrosion and Scale Inhibition (WP 1)
		Chair: G. Schmitt, IFINKOR, Iserlohn/D
4579	14:00	Inhibition of EN 10204 Steel in H₂SO₄ by a mixture of hypericum perforatum plant extract and nitrite based inorganic inhibitors B. Karahan, A. Turhan, N. Bayrakatar, Dokuz Eylul University, Izmir/TR; I. Ince, Ege University, Izmir/TR; H. Ekinci, Gunsu A.S., Antalya/TR; A. Çakir, Dokuz Eylul University, Izmir/TR
4845	14:20	Optimisation of a drinking water corrosion inhibitor with special regard to electrochemical investigation in field studies A. Becker, U. Ruhrberg, T. Jentzsch, IWW Water Centre, Mülheim/D; W. Hater, P. Schmidt, BK Giulini GmbH, Düsseldorf/D; A. Garweg, Stadtwerke Bad Hersfeld GmbH/D
4793	14:40	Protection of metals against atmospheric corrosion by passivation layers of organic compounds Yu.I. Kuznetsov, A.A. Chirkunov, A.S. Gorbachev, I.A. Filippov, Russian Academy of Sciences, Moscow/RUS
4520	15:00	Investigation the effect of film forming amines on the corrosion inhibition of carbon steel E. Sezer, Istanbul Technical University/TR; I. Ozturk, BK Giulini Kimya Sanayii A.S., Istanbul/TR
	15:20	Coffee Break

		Monday, 5 September 2011
		Corrosion and Scale Inhibition (WP 1)
		Chair: G. Schmitt, IFINKOR, Iserlohn/D
4432	15:50	Corrosion fatigue of Al-Mg alloy 5052 in sodium chloride solution contains some inhibitors M. Shoeib, Central Metallurgical Research & Development Institute (CMRDI), Cairo/ET; Y. Barakat, K. Adwaib, Tebbin Institute for Metallurgical Studies, Cairo/ET
4457	16:10	Influence of pH and chloride concentration on the corrosion behaviour of cadmium electrode W.A. Ghanem, Central Metallurgical Research and Development Institute (CMRDI), Helwan/ET; W.A. Hussein, A.E. El-Shennawy, Al-Azhar University, Cairo/ET
4510	16:30	Corrosion behaviour of carbon steel in the presence of sodium dodecyl sulphate and Zn²⁺ M. Mani, Madurai Kamaraj University, Dindigul/IND; S. Susai, Madurai Kamaraj University, Thogaimalai/IND; J. Bama, T.S. Megala, Madurai Kamaraj University, Dindigul/IND
4681	16:50	Electrochemical investigations of corrosion inhibition of Cu-Ni (90/10) alloy in sea water and sulphide-polluted sea water by 1,2,3-benzotriazole B.V. Appa Rao, C.K Kanukula, National Institute of Technology Warangal/IND
		Monday, 5 September 2011
		Tribocorrosion (WP 18)
		Chairs: J.-P. Celis, Katholieke Universiteit Leuven/B; P. Ponthiaux, École Centrale de Paris/F
1058	11:00	Study of the tribocorrosion behaviour of wrought Ti6Al4V (grade 5) and sintered Ti6Al4V obtained by powder metallurgy in acidic and neutral solutions A. Igual Muñoz, S. Silva Barros, Politechnical University of Valencia/E
4760	11:20	Corrosion-wear performance of TaN coatings in biological environments R. Bayon, L. Medizabal, U. Ruiz de Gopegui, A. Igartua, J. Barriga, Fundacion Tekniker-IK4, Eibar/E
4914	11:40	Conventional electrochemical and micro-electrochemical techniques for studies of tribocorrosion on 2024 aluminium alloy V. Pokhmurskii, I. Zin, V. Vynar, Academy of Sciences of Ukraine, Lviv/UA; T. Lampke, H. Pokhmurska, TU Chemnitz/D
4829	12:00	Effect of microstructure on the triboelectrochemical behavior of ferritic and ferrite-martensite stainless steels V. Dalbert, N. Mary, C. Verdu, B. Normand, INSA de Lyon, Villeurbanne/F; L. Peguet, A. Gaugain, ArcelorMittal, Villeurbanne/F
4478	12:20	Tribocorrosion behavior of PM duplex stainless steel F. Martin, C. Garcia, Y. Blanco, Valladolid University/E
	12:40	Lunchtime
		Tribocorrosion (WP 18)
		Chairs: J.-P. Celis, Katholieke Universiteit Leuven/B; P. Ponthiaux, École Centrale de Paris/F
4928	14:00	Development of in situ ATR-FTIR spectroscopy for interfacial studies during tribological contact in corrosive media D. Persson, Swerea KIMAB AB, Stockholm/S
4627	14:20	C-ring hydrogen induced stress corrosion cracking (HISCC) tests in lubricating liquid media B. Han, X.B. Zhou, R. Pasaribu, SKF Engineering and Research Centre, Nieuwegein/NL
	14:40	WP 18 Business Meeting (to 15:20)

	15:20	Coffee Break
		Monday, 5 September 2011
		Corrosion Education and Computer Applications (WP 7)
		Chair: B. Cottis, University of Manchester/UK
4424	15:50	How to teach and learn corrosion? <u>A. Groysman</u> , O. Groysman, ORT Braude College of Engineering, Karmiel/IL
4878	16:10	Corrosion Education at Aalen University T. Ladwein, Aalen University of Applied Sciences/D
4860	16:30	Practical activities for the teaching of the science and technology of corrosion <u>C. Berlanga</u> , Public University of Navarre, Pamplona/E; M.V. Biezma, University of Cantabria, Santander/E
	16:50	WP 7 Business Meeting
		Monday, 5 September 2011
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; K.-H. Stellnberger, voestalpine Stahl GmbH, Linz/A
1033	11:00	KEYNOTE Corrosion resistance of automotive materials: from laboratory to field exposures <u>B. Rendahl</u> , Swerea KIMAB AB, Stockholm/S; N. LeBozec, French Corrosion Institute, Brest/F
4824	11:40	Chemical characterization of particulate matter in a road tunnel <u>I. Boudabbous</u> , J. Kasperek, A. Barbier, University of Rouen, Saint Etienne du Rouvray/F; N. Bellakhal, National Institute of Applied Science and Technology, Tunis/TN; B. Hannoyer, University of Rouen, Saint Etienne du Rouvray/F
4909	12:20	Long-term road testing of stainless steels for vehicle components <u>R. Pettersson</u> , S. Ekblad, Outokumpu Stainless AB, Avesta/S
	12:40	Lunchtime
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; K.-H. Stellnberger, voestalpine Stahl GmbH, Linz/A
1043	14:00	KEYNOTE Lifetime prediction of automotive exhaust systems by using a new testing method: corrosion rig <u>U. Tröger</u> , H. Wieser, Faurecia Emission Control Technologies, Augsburg/D; M. Yasir, G. Mori, University of Leoben/A; M. Schattenkirchner, M. Hogl, Faurecia Emission Control Technologies, Augsburg/D
4815	14:40	Effect of environmental conditions of copper degradation under road tunnel <u>I. Boudabbous</u> , J. Kasperek, A. Barbier, B. Hannoyer, University of Rouen, Saint Etienne du Rouvray/F
4707	15:00	Methods addressing the pitting determination and estimation in automotive exhaust applications M. Yasir, University of Leoben/A
	15:20	Coffee Break

		Monday, 5 September 2011
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; K.-H. Stellnberger, voestalpine Stahl GmbH, Linz/A
4578	15:50	Influence of the chloride-types in condensates on the corrosion resistance of stainless steels for automotive exhaust systems <u>C. Hoffmann</u> , P. Gümpel, Konstanz University of Applied Sciences/D
4435	16:10	ATI 334Mo™ alloy: a new lean alloy for automotive flexible connectors M.D. Bender, ATI Allegheny Ludlum, Natrona Heights, PA/USA
4624	16:30	Corrosion mechanism evaluation of a new modified AA4XXX/AA3XXX brazing sheet <u>F. Norouzi Afshar</u> , TU Delft/NL; E. Szala, A. Wittebrood, Tata Steel Research, Beverwijk/NL; J.M.C. Mol, TU Delft/NL; H. Teryn, Vrije Universiteit Brussel/B; J.H.W. de Wit, TU Delft/NL
1083	16:50	Analysing automotive corrosion problems in the laboratory; application examples from some recent areas of automotive corrosion concern using a simple set of laboratory tools M. Ström, Volov Car Corporation, Göteborg/S
		Tuesday, 6 September 2011
		Self-Healing Coatings (WP 14)
		Chairs: J. Vogelsang, Sika Technology AG, Zürich/CH; D. Thierry, French Corrosion Institute, Brest/F
4570	10:00	Assessment of the self healing ability of smart coatings: a combined use of localised electrochemical techniques <u>F. Montemor</u> , D. Snihirova, M. Taryba, D. Carbonell, IST Lisbon/P
4960	10:20	Self-healing protection of sol-gel coatings with Ce and La-loaded zeolites <u>S.A. Dias</u> , LNEG - National Laboratory of Energy, Lisbon/P; S.V. Lamaka, ICEMS, IST, UTL, Lisbon/P; T.C. Diamantino, LNEG - National Laboratory of Energy, Lisbon/P; M.G.S. Ferreira, ICEMS, IST, UTL, Lisbon/P
4575	10:40	Self-healing corrosion protective coatings for magnesium alloys by modifying anodising layers with corrosion inhibitors <u>D. Tabatabai</u> , DECHEMA e.V., Frankfurt am Main/D; S. Janke, University of Paderborn/D; F. Feil, DECHEMA e.V., Frankfurt am Main/D; P. Thissen, G. Grundmeier, University of Paderborn/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
	11:00	Coffee Break
		Organic Coatings (WP 14)
		Chairs: J. Vogelsang, Sika Technology AG, Zürich/CH; D. Thierry, French Corrosion Institute, Brest/F
4568	11:30	A global approach to coating integrity - from new construction to maintenance <u>M. Surkein</u> , ExxonMobil Development Corporation, Houston, TX/USA; N.A. Campbell, ExxonMobil Production Company, Houston, TX/USA
4778	11:50	Corrosion protecting coating systems in Arctic areas <u>A. Bjørgum</u> , O.Ø Knudsen, A.-K. Kvernbråten, N.-I. Nilsen, SINTEF Materials and Chemistry, Trondheim/N
4586	12:10	Corrosion protection of offshore wind farm structures - present understanding and future challenges <u>A.R. Black</u> , P.K. Nielsen, FORCE Technology, Brøndby/DK

1037	12:30	Evaluation of organic coatings in tropical marine environment N. Almeida, Z. Panossian, A. Araujo, IPT - Institute for Technological Research, Sao Paulo/BR; G. Pimenta, J. Quintela, Petrobras, Rio de Janeiro/BR; M. Almeida, IPT – Institute for Technological Research, Sao Paulo/BR; G. Vieira, Petrobras, Rio de Janeiro/BR
	12:50	Lunchtime
		Organic Coatings (WP 14)
		Chairs: M. Olivier, University of Mons/B, P.L. Bonora, University of Udine/I
4658	14:00	Influence of UHP (ultra high pressure) waterjetting on shop primer coated steel substrate for new construction in naval industry P. Le Calvé, DCNS, Lorient/F; J.P. Pautasso, DGA, Paris/F; N. LeBozec, Institute of Corrosion, Brest/F
4662	14:20	Looking for universal primer coatings of maintenance in naval industry P. Le Calvé, DCNS, Lorient/F; J.P. Pautasso, DGA, Paris/F; N. LeBozec, Institute of Corrosion, Brest/F
4718	14:40	Effect of process related residues on the performance of conformal coatings for PCBA applications U. Rathinavelu, M. Jellesen, R. Ambat, TU Denmark, Lyngby/DK
4569	15:00	Study on a microtopography surface based on molecule self-assembly and evaluation of its antifouling ability C. Lin, L. Wang, H. Gao, J. Zhang, Luoyang Ship Material Research Institute (LSMRI), Qingdao/PRC
	15:20	Coffee Break
		Organic Coatings (WP 14)
		Chairs: M. Olivier, University of Mons/B, P.L. Bonora, University of Udine/I
4630	15:50	Influence of climatic factors (UV, salt concentration, wet-dry cycle) in cyclic corrosion tests used for marine paint systems N. Lebozec, French Corrosion Institute, Brest/F; P. Le Calve, DCNS, Lorient/F; J.P. Pautasso, DGA, Bagneux/F; D. Thierry, French Corrosion Institute, Brest/F
4862	16:10	Comparison between natural and artificial weathering of e-coated galvanized steel panels S. Rossi, F. Deflorian, M. Fedel, University of Trento/I
	16:30	WP 14 Business Meeting (to 17:10)
		Tuesday, 6 September 2011
		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: K. Ogle, CNRS - ENSCP, Paris/F
4745	10:00	Local electrochemical evaluation of galvanic corrosion at metal bond pad model systems for micro-electronic applications O. Elisseeva, TU Delft/NL; A. Mavinkurve, R.T.H. Rongen, G.M. O'Halloran, NXP Semiconductors, Nijmegen/NL; R. Ambat, A. Bruhn, TU Denmark, Lyngby/DK; J.M.C. Mol, TU Delft/NL; H. Terry, Vrije Universiteit Brussel/B; J.H.W. de Wit, TU Delft/NL
4873	10:20	Relation between PCBA cleanliness and climatic reliability M. Jellesen, P. Westermann, U. Rathinavelu, R. Ambat, TU Denmark, Lyngby/DK
4904	10:40	An online microflow capillary mass-spectrometer set-up for investigations of pitting corrosion processes N. Ott, P. Schmutz, EMPA - Swiss Federal Laboratories for Materials Science and Technology, Duebendorf/CH; C. Ludwig, PSI - Paul Scherrer Institute, Villigen/CH; A. Ulrich, EMPA - Swiss Federal Laboratories for Materials Science and Technology, Duebendorf/CH
	11:00	Coffee Break

		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: D. Macdonald, Pennsylvania State University, University Park, PA/USA
4950	11:30	Study of the galvanic coupling between the phases of duplex stainless steel J.-B. Jorcin, IST Lisbon/P; L. Freire, University of Vogo/E; M.J. Carmezim, Polytechnic Institute of Setúbal/P; <u>M.F. Montemor</u> , IST Lisbon/P
4747	11:50	Heterogeneous dissolution of polycrystalline pure iron in sulphuric acid solution <u>K. Fushimi</u> , K. Matsushita, K. Miyamoto, Y. Hasegawa, Hokkaido University, Sapporo/J
4492	12:10	Pickling and over-pickling mechanisms for high alloyed steel grades <u>A. Alaoui Mouayd</u> , CNRS, Paris/F and UPMC, Paris/F and ArcelorMittal Maizières Research, Maizières-lès-Metz/F; E. Sutter, B. Tribollet, CNRS, Paris/F and UPMC, Paris/F; A. Koltsov, ArcelorMittal Maizières Research, Maizières-lès-Metz/F
4577	12:30	Electrochemical formation of carbonated corrosion products on carbon steel in deaerated solutions <u>P. Refait</u> , D. Nguyen, M. Jeannin, R. Sabot, J.A. Bourdoiseau, University of La Rochelle/F
	12:50	Lunchtime
		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: P. Refait, University of La Rochelle/F
4644	14:00	In situ surface analysis of octadecanethiol on copper <u>S. Hosseinpour</u> , J. Hedberg, M. Johnson, C. Leygraf, KTH - Royal Institute of Technology, Stockholm/S
4803	14:20	Electrochemical behavior of copper-nickel alloys in a CO₂ enriched synthetic groundwater <u>N. Mary</u> , INSA-Lyon, Villeurbanne/F; C. Alemany, INSA Lyon, Villeurbanne/F; B. Normand, INSA-Lyon, Villeurbanne/F; V. Broudic, C. Jegou, CEA CEN-VALRHO, Bagnol sur Ceze/F
4537	14:40	Galvanic coupling between copper and aluminium in a thin electrolyte layer S. Joma, M. Sancy, <u>E. Sutter</u> , B. Tribollet, University Pierre and Marie Curie, Paris/F
4553	15:00	Electrochemical behaviour of aluminum - fly ash composites produced by powder metallurgy <u>E. Marin</u> , M. Lekka, F. Andreatta, A. Lanzutti, L. Fedrizzi, University of Udine/I; G. Itskos, A. Moutsatsou, N. Koukouzas, N. Kouloumbi, National Technical University of Athens/GR
	15:20	Coffee Break
		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: E. Sutter, University Pierre and Marie Curie, Paris/F
4802	15:50	Mechanical and electrochemical behaviour of Al-based multilayer sacrificial coatings linked to their microstructure A. Perez, University of La Rochelle/F; A. Billard, University of Technology of Belfort-Montbéliard/F; E. Conforto, S. Touzain, <u>J. Creus</u> , University of La Rochelle/F
4524	16:10	Comparison of the corrosion behaviour of binary and new quaternary NiTi shape memory alloys <u>E. Janzen Kassab</u> , L. Neelakantan, M. Frotscher, University of Bochum/D; J. Ponciano Gomes, Federal University of Rio de Janeiro/BR; G. Eggeler, University of Bochum/D
4834	16:30	Investigation of the pitting corrosion behaviour of nickel based alloy claddings by evaluation of electrochemical noise measurements A. Heyn, <u>S. Schmigalla</u> , University of Magdeburg/D; V. Wesling, R. Reiter, P. Echtermeyer, TU Clausthal/D

		Tuesday, 6 September 2011
		Materials for Oil and Gas (WP 13)
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; J. Kittel, IFP Energies nouvelles, Solaize/F
4595	10:00	A simple method for measuring hydrogen entrainment and diffusion in stainless steel <u>M. Bjørnsdotter</u> , R. Johnsen, K. Nisancioglu, Norwegian University of Science and Technology, Trondheim/N
4831	10:20	Stress-corrosion cracking of steel in CO-CO₂-H₂O and the influence of stress levels <u>J.W. Van der Merwe</u> , University of the Witwatersrand, Johannesburg/ZA; M. Du Toit, R.F. Sandenbergh, University of Pretoria/ZA
4621	10:40	Corrosion in alcanolamines for natural gas treatment - high temperature experiments in lean and rich conditions <u>J. Kittel</u> , E. Fleury, IFP Energies nouvelles, Solaize/F; M. Bonis, TOTAL S.A., Pau/F; G. Perdu, Prosernat, Paris/F; B. Vuillemin, R. Oltra, University of Bourgogne, Dijon/F
	11:00	Coffee Break
		Materials for Oil and Gas (WP 13)
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; J. Kittel, IFP Energies nouvelles, Solaize/F
4954	11:30	Corrosion in dense phase CO₂ pipelines - state of the art <u>A. Dugstad</u> , B. Morland, M. Halseid, Institute for Energy Technology, Kjeller/N
4741	11:50	Carbon capture and storage projects: material integrity for CO₂ injection and storage <u>H. El Alami</u> , H. Marchebois, C. Augustin, B. Orleans, J.J. Servier, V&M France, Aulnoye-Aymeries/F
4462	12:10	Laboratory investigation of corrosion and environmental cracking in high pressure CO₂ well injection conditions <u>B. Chambers</u> , Honeywell Corrosion Solutions, Houston, TX/USA; A. Speirs, Aera Energy, Bakersfield, CA/USA; M. Yunovich, Honeywell Corrosion Solutions, Houston, TX/USA
4875	12:30	Evaluation of material behavior before and after expansion for carbon steel grades <u>R. Morana</u> , A. Bufalini, Centro Sviluppo Materiali SPA, Rome/I; P.I. Nice, Statoil ASA, Stavanger/N; B.M. Bailey, Baker Hughes, Houston, TX/USA; R.C. Ross, Baker Hughes, Aberdeen/UK
	12:50	Lunchtime
		Materials for Oil and Gas (WP 13)
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; J. Kittel, IFP Energies nouvelles, Solaize/F
4487	14:00	Increased tubing lifetime with polyolefin liners <u>M. Haager</u> , AGRU Kunststofftechnik GmbH, Bad Hall/A
4808	14:20	Materials selection and life-time assessment for polymeric materials in harsh chemical environments K. Jacobson, <u>S. Römhild</u> , Swerea KIMAB AB, Stockholm/S
4898	14:40	Corrosion failures in oil and gas downhole tubulars by completion packer fluids S. Sanchez-Majado, Repsol Technology Centre, Madrid/E
4529	15:00	Impact of production parameters on corrosion properties of stainless steel Alloy 926 evaluated by means of a deformation dilatometer and the DL-EPR method <u>M. Prohaska</u> , G. Mori, University of Leoben/A; G. Tischler, R. Grill, voestalpine Grobblech GmbH, Linz/A
	15:20	Coffee Break

		Tuesday, 6 September 2011
		Materials for Oil and Gas (WP 13)
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; J. Kittel, IFP Energies nouvelles, Solaize/F
1042	15:50	Stainless steel corrosion resistant alloys for gas plants M. Alhammad, Saudi Aramco, Udailiyah/SAR
1007	16:10	Environmentally induced corrosion cracking of SS 316L clad pressure vessel - case study D. Masouri, <u>M. Askari</u> , Pars Oil and Gas Company (POGC), Tehran/IR
		Tuesday, 6 September 2011
		Joint Workshop on High Temperature Corrosion in Refinery and Process Industries (WP 3 & WP 15)
		Chairs: F. Ropital, IFP Energies nouvelles, Solaize/F; M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4739	10:00	Reversible catastrophic oxidation induced by sodium sulphate in simulated low oxygen potential atmospheres on Fe-Ni-Cr alloys <u>L. Couture</u> , University of Grenoble, Saint Martin d'Hères/F; F. Ropital, J. Kittel, F. Grosjean, IFP Energies nouvelles, Solaize/F; Y. Wouters, University of Grenoble, Saint Martin d'Hères/F; V. Parry, A. Galerie, University of Grenoble, Saint Martin d'Hères/F
4936	10:20	Graphite and silicon carbide based materials in high temperature reactors for destruction of chlorofluorocarbons <u>M. Franz</u> , P. Pöllmann, T. Grünberger, K.-P. Brehler, SGL Carbon GmbH, Meitingen/D
4772	10:40	Electrochemical polarisation measurements of tooling alloys in pyrolysis oil <u>M. Sababi</u> , J. Pan, KTH - Royal Institute of Technology, Stockholm/S; O. Sandberg, Uddeholms AB, Hagfors/S
	11:00	Coffee Break
		Joint Workshop on High Temperature Corrosion in Refinery and Process Industries (WP 3 & WP 15)
		Chairs: F. Ropital, IFP Energies nouvelles, Solaize/F; M. Schütze, DECHEMA e.V., Frankfurt am Main/D
1071	11:30	Effects of tempering on corrosion properties of high nitrogen alloyed tool steels in Pyrolysis oil <u>A.R. Gholi</u> , Swerea KIMAB AB, Stockholm and KTH - Royal Institute of Technology, Stockholm/S; G. Lindwall, M. Jönsson, Swerea KIMAB AB, Stockholm/S
4796	11:50	The influence of surface pre-treatment on the metal dusting behaviour of cast and wrought 25Cr35NiFe <u>H. Asteman</u> , D. Jakobi, Schmidt + Clemens GmbH + Co. KG, Lindlar/D; C.G.M. Hermse, R. M. IJzerman, TNO, Eindhoven/NL
1020	12:10	Sn-based coatings for metal dusting protection M.J.L. Oestergaard, C.C. Appel, L. Korcakova, B. Hinnemann, <u>C. Bogvad</u> , Haldor Topsoe A/S, Lyngby/DK
1072	12:30	Lifetime extension of alloys for metal dusting applications <u>C. Geers</u> , M. Schütze, DECHEMA e.V., Frankfurt am Main/D
	12:50	Lunchtime

		Joint Workshop on High Temperature Corrosion in Refinery and Process Industries (WP 3 & WP 15)
		Chairs: F. Ropital, IFP Energies nouvelles, Solaize/F; M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4945	14:00	Intrusive and non-intrusive methods for corrosion monitoring in high temperature refinery applications <u>K. Wold</u> , R. Stoen, Roxar Flow Measurement, Trondheim/N
4857	14:20	Corrosion resistance of 304L, 310S and APMT in simulated biomass gasification environment <u>P. Viklund</u> , S. Juma, C. Eriksson, K. Engvall, Swerea KIMAB AB, Stockholm/S
4447	14:40	Failure of Convection tubes in EDC furnace <u>S. Al-Enazi</u> , A. Almeshari, SABIC Technology Centre, Jubail Industrial City/SAR; Y. Ruchuan, F. Habiby, Arabian Petrochemical Company, Jubail Industrial City/SAR
1090	15:00	High temperature sulfidation resistance of intermetallic FeAl alloys <u>F. Ropital</u> , IFP Energies nouvelles, Solaize/F; A. Fraczkiewicz, P.-Y. Thery, C. Genevois, École Nationale Supérieure des Mines de St-Etienne/F
	15:20	Coffee Break
		Tuesday, 6 September 2011
		Corrosion by Hot Gases and Combustion Products (WP 3)
		Chair: M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4734	15:50	Performance of superheater materials in simulated oxy-fuel combustion conditions <u>D. Bankiewicz</u> , Åbo Akademi, Turku/FIN; S. Tuurna, Technical Research Centre of Finland, Tampere/FIN; P. Yrjas, Åbo Akademi, Turku/FIN; P. Pohjanne, Technical Research Centre of Finland, Espoo/FIN
4706	16:10	Fireside corrosion of superheater materials in oxy-fired power plants <u>A. Syed</u> , T. Hussain, J.E. Oakey, N.J Simms, Cranfield University/UK
4664	16:30	Steam oxidation and fire-side corrosion of Ni-base alloys for 700°C steam power plants F. Lüttschwager, J. Zurek, T. Olszewski, <u>M. Müller</u> , W.J. Quadackers, Forschungszentrum Jülich/D
1065	16:50	Corrosion risks of nickel-based alloys in modern 700 °C power plants <u>M. Spiegel</u> , Salzgitter Mannesmann Forschung GmbH, Duisburg/D; P. Schraven, F. Thönnessen, Salzgitter Mannesmann Stainless Tubes, Mülheim/D
		Tuesday, 6 September 2011
		Workshop on Corrosion Monitoring in Nuclear Systems (Research and Applications)
		Chairs: S. Ritter, PSI - Paul Scherrer Institute, Villigen PSI/CH; A. Molander, Studsvik Nuclear AB, Nyköping/S
4853	10:00	Corrosion monitoring techniques for the detection of crack initiation under simulated light water reactor conditions <u>S. Ritter</u> , PSI - Paul Scherrer Institute, Villigen PSI/CH; D.A. Horner, Serco Technical & Consultancy Services, Warrington/UK; R.-W. Bosch, SCK-CEN - Center for the Study of Nuclear Energy, Mol/B
1040	10:20	Corrosion monitoring of buried piping systems within nuclear installations <u>A. Demma</u> , D. Alleyne, Guided Ultrasonics Ltd, Brentford/UK
4751	10:40	Corrosion monitoring of reinforcing steel in concrete constructions by a multifunctional sensor S.G. Dong, R.G. Hu, L.W. Lin, <u>C.J. Lin</u> , Xiamen University/PRC
	11:00	Coffee Break

		Workshop on Corrosion Monitoring in Nuclear Systems (Research and Applications)
		Chairs: S. Ritter, PSI - Paul Scherrer Institute, Villigen PSI/CH; A. Molander, Studsvik Nuclear AB, Nyköping/S
1078	11:30	Addition of oxygen to the secondary side of a PWR to mitigate FAC and monitoring using electrochemical measurements W. Sugino, The Japan Atomic Power Company, Tokyo/J; <u>Y. Fukuda</u> , The Japan Atomic Power Company, Fukui-ken/J; A. Molander, Studsvik Nuclear AB, Nyköping/S
4924	11:50	Findings from exposure of pure copper in a bentonite/saline groundwater environment under oxidic conditions <u>B. Rosborg</u> , J. Pan, KTH - Royal Institute of Technology, Stockholm/S; C. Lilja, Svensk Kärnbränslehantering AB, Stockholm/S
1021	12:10	In-situ study of transition process in oxide formed on different Zr alloys in PWR coolant <u>J. Macak</u> , Institute of Chemical Technology, Prague/CZ; R. Novotny, JRC' s Institute for Energy, Petten/NL; P. Sajdl, V. Renciuikova, Institute of Chemical Technology, Prague/CZ; V. Vrtilkova, UJP Praha A.S., Prague/CZ
4940	12:30	Behaviour of 304 stainless steel under constant tensile loading J. Kovac, T. Kosec, M. Bajt Leban, <u>A. Legat</u> , Slovenian National Building and Civil Engineering Institute, Ljubljana/SLO
	12:50	Lunchtime
		Workshop on Corrosion Monitoring in Nuclear Systems (Research and Applications)
		Chairs: S. Ritter, PSI - Paul Scherrer Institute, Villigen PSI/CH; A. Molander, Studsvik Nuclear AB, Nyköping/S
4585	14:00	Detection procedure of stress corrosion cracks initiation under the constant potential - SSRT test by electrochemical technique in simulated BWR high temperature water environments <u>G. Nakayama</u> , IHI Corporation, Yokohama/J; K. Sakasi, IHI Corporation, Akishima/J; Y. Sakakibara, IHI Corporation, Yokohama/J
1089	14:20	Electrochemical techniques for assessing low temperature thermal aging embrittlement of stainless steel welds <u>K. Chandra</u> , V. Kain, G.K. Dey, Bhabha Atomic Research Centre, Mumbai/IND; V.S. Raja, Indian Institute of Technology, Mumbai/IND
		Tuesday, 6 September 2011
		Nuclear Corrosion (WP 4)
		Chair: P. Prené, CEA Saclay, Gif-sur-Yvette/F
1010	14:40	Effect of irradiation on mass transfer in sodium fast reactors L. Brissonneau, CEA Cadarache, Saint Paul lez Durance/F
4561	15:00	High temperature corrosion of austenitic steels in liquid lead alloy <u>M. Roy</u> , L. Martinelli, CEA Saclay, Gif-sur-Yvette/F; J. Favergeon, G. Moulin, Laboratoire ROBERVAL, Compiègne/F
	15:20	Coffee Break
		Nuclear Corrosion (WP 4)
		Chair: P. Prené, CEA Saclay, Gif-sur-Yvette/F
4716	15:50	KEYNOTE Progress in the understanding of the long-term corrosion behaviour of copper canisters <u>F. King</u> , Integrity Corrosion Consulting Ltd, Nanaimo/CDN; C. Lilja, SKB AB, Stockholm/S; M. Vahanen, Posiva Oy, Olkiluoto/FIN

4921	16:30	Stress corrosion cracking in the context of deep geological nuclear storage A. Didot, Technip France, Paris/F; E. Herms, J. Chêne, <u>J. Canel</u> , D. Féron, CEA Saclay, Gif-sur-Yvette/F; D. Crusset, ANDRA - French National Agency for Radioactive Waste Management, Chatenay-Malabry/F
4533	16:50	Effect of radiolysis on long-term corrosion products formed on low-alloy steels <u>H. Badet</u> , D. Neff, G. Baldacchino, J.P. Gallien, J.P. Renault, P. Dillmann, CEA Saclay, Gif-sur-Yvette/F
Tuesday, 6 September 2011		
Simulation, Modelling and Corrosion Prediction		
Chair: C. Taxén, Swerea KIMAB AB, Stockholm/S		
1032	10:00	Numerical approach of diffusion and trapping of hydrogen in heterogeneous materials and structures: grain boundaries effects <u>E. Legrand</u> , J. Bouhattate, X. Feugas, University of La Rochelle/F
4724	10:20	A theoretical study of the interaction of water with the Cr₂O₃ (110) and Fe₂O₃ (110) surfaces <u>N. Das</u> , T. Shoji, Tohoku University, Sendai/J
4967	10:40	Zinc corrosion in a crevice <u>C. Taxén</u> , D. Persson, Swerea KIMAB AB, Stockholm/S
	11:00	Coffee Break
Simulation, Modelling and Corrosion Prediction		
Chair: C. Taxén, Swerea KIMAB AB, Stockholm/S		
4733	11:30	Electrochemical impedance spectrum of metallic corrosion under a thin electrolyte layer controlled by oxygen diffusion I.G. Bosco, Alagappa University, Karaikudi/IND; <u>M.S. Venkatraman</u> , I.S. Cole, CSIRO Material Science and Engineering, Clayton/AUS; B. Emmanuel, Central Electrochemical Research Institute, Karaikudi/IND
4947	11:50	Is the analysis of molecular electronic structure of corrosion inhibitors sufficient to predict the trend of their inhibition performance A. Kokalj, Jozef Stefan Institute, Ljubljana/SLO
4966	12:10	A model of pitting corrosion of copper <u>C. Taxén</u> , Swerea KIMAB AB, Stockholm/S; H. Ha, H. Cong, J. Scully, University of Virginia, Charlottesville, VA/USA
4638	12:30	The influence on MFL signals from defect geometries on AST floors N. Pearson, Silverwing UK Ltd, Swansea/UK
	12:50	Lunchtime
Tuesday, 6 September 2011		
Cathodic Protection (WP 16)		
Chairs: M. Roche, Le Mesnil-le-Roi/F; J. Cruzillac, BAC Corrosion Control, Voisins-le-Bretonneux/F		
1094	14:00	Using telemetry of cathodic protection equipment: GRTgaz experience C. Aknouche, A. Boussahoua, <u>S. Fontaine</u> , GRTgaz, Compiègne/F
4454	14:20	The development of monitoring devices for steel structures protection against corrosion <u>D. Sirota</u> , D. Zapevalov, A. Ulikhin, N. Shamshetdinova, Gazprom VNIIGAZ, Moscow/RUS
1022	14:40	Essential factors influencing cathodic protection not directly covered by standards and recommended practices H. Osvoll, Force Technology Norway AS, Trondheim/N

1057	15:00	Optimising a SACP system using simulation, to achieve uniform anode life and protection potential J.M.W. Baynham, A. Peratta, L. Zhang, <u>T. Froome</u> , CM Beasy Ltd, Southampton/UK
	15:20	Coffee Break
		Cathodic Protection (WP 16)
		Chairs: M. Roche, Le Mesnil-le-Roi/F; J. Cruzillac, BAC Corrosion Control, Voisins-le-Bretonneux/F
1093	15:50	Influence of temperature on electrochemical characteristics of indium activated aluminum alloys <u>J. Cruzillac</u> , BAC Corrosion Control, Voisins Le Bretonneux/F; J. Jensen, BAC Corrosion Control, Herfølge/DK
1095	16:10	Low driving voltage cathodic protection with Al-Ga anodes - review of the laboratory results and experience <u>A. Grolleau</u> , V. Debout, DCNS Cherbourg/F
1028	16:30	An investigation into the mitigation of stray current corrosion using boundary element method <u>M. Khosravi</u> , Technical Inspection and Corrosion Control Company (TECHINCO), Tehran/IR; S. Meery, Atlas Energy Technology Company, Tehran/IR; A. Jafari, Shahid Bahonar University, Kerman/IR; M. Mohamadi Bashiz, Amir Mansoore Aria's Investment Company, Tehran/IR
4691	16:50	AC interference effects on cathodically protected pipeline and its control J. Khosravi, NIORDC-NIOEC, Tehran/IR
		Tuesday, 6 September 2011
		Corrosion and Scale Inhibition (WP 1)
		Chair: G. Schmitt, IFINKOR, Iserlohn/D
1061	10:00	AFM studies of the thickness and mechanical resistance of corrosion inhibitor films Y. Xiong, Ohio University, Athens, OH/USA; A. Pailleret, University Pierre & Marie Curie, Paris/F; <u>B. Kinsella</u> , S. Nestic, Ohio University, Athens, OH/USA
4897	10:20	Chemistry of the interaction between azole corrosion inhibitors and metal surfaces <u>N. Kovacevic</u> , A. Kokalj, Jozef Stefan Institute, Ljubljana/SLO
4920	10:40	Computational approach towards explaining the corrosion inhibition mechanism of benzotriazole on copper <u>S. Peljhan</u> , A. Kokalj, M. Finšgar, I. Milosev, Jozef Stefan Institute, Ljubljana/SLO
	11:00	Coffee Break
		Corrosion and Scale Inhibition (WP 1)
		Chair: G. Schmitt, IFINKOR, Iserlohn/D
4823	11:50	VCI containing package materials - mode of functioning <u>S. Koehler</u> , G. Reinhard, U. Rammelt, EXCOR Korrosionsforschung GmbH, Dresden/D
4482	12:10	Efficiency of corrosion inhibitors in a multiphase flow <u>T. Vogl</u> , S. Ehgartner, G. Mori, University of Leoben/A; W. Havlik, G. Zehethofer, OMV Exploration & Production GmbH, Gänserndorf/A
4930	12:30	Assessment of barite crystallisation in a flow cell in presence and absence of chemical treatment at different temperatures - surface analysis <u>B. Tolaieb</u> , A. Neville, University of Leeds/UK
	12:50	Lunchtime
		Corrosion and Scale Inhibition (WP 1)

		Chair: G. Schmitt, IFINKOR, Iserlohn/D
4881	14:00	The performance of anti-scalants on silica-scaling in reverse osmosis plants W. Hater, <u>C. zum Kolk</u> , BK Giulini GmbH, Düsseldorf/D; G. Braun, J. Jaworski, Cologne University of Applied Sciences/D
4806	14:20	Combined inhibitors - a combined jar test/bubble cell <u>L. Sanders</u> , A. Neville, X. Hu, E. Mavredaki, V. Eroini, R. Barker, Leeds University/UK
4835	14:40	Inhibition effect of 3,6-bis(3-pyridyl)pyridazine derivative on corrosion of C38 carbon steel in 1 M HCl solution <u>M. Lagrenée</u> , ENSCL de Lille, Villeneuve d'Ascq/F; F. Bentiss, Chouaib Doukkali University, Eljadida/MA; M. Outirite, M. Traisnel, C. Jama, ENSCL de Lille, Villeneuve d'Ascq/F
4590	15:00	Corrosion inhibition of carbon steel tubing in oil wells formation water by a new family of non-ionic surfactants M. Migahed, Egyptian Petroleum Research Institute, Cairo/ET
	15:20	Coffee Break
		Corrosion and Scale Inhibition (WP 1)
		Chair: G. Schmitt, IFINKOR, Iserlohn/D
	15:50	WP 1 Business Meeting (to 16:50)
		Tuesday, 6 September 2011
		Corrosion of Polymer Materials (WP 19)
		Chair: R. Morach, INTERTEK Expert Services, Basel/CH
4421	10:00	Expanding the use of compostable plastics: a novel approach to corrosion inhibiting films <u>K.A. Gillette</u> , B.A. Miksic, Cortec Corporation, St. Paul, MN/USA; M. Sercer, University of Zagreb/HR
4427	10:20	Comparison of the material properties of polyethylene grades with the test performance behaviour of packagings for the transport of dangerous goods in dependence on the pre-storage time with 55 % nitric acid <u>M. Weltshev</u> , U. Niebergall, BAM - Federal Institute for Materials Research and Testing, Berlin/D
4848	10:40	Safe and reliable use of plastic materials in pickling plants <u>P. Bergsjö</u> , S. Römhild, K. Jacobson, J. Samuelsson, G. Bergman, Swerea KIMAB, Stockholm/S
	11:00	Coffee Break
		Corrosion of Polymer Materials (WP 19)
		Chair: R. Morach, INTERTEK Expert Services, Basel/CH
4895	11:30	Long term experience of FRP-liners in power plant chimneys A. Van Buren, Ashland Performance Materials, Kehl/D
1041	11:50	Assessment of RTR fire water system piping after 30 years in service <u>A. Aldossary</u> , M.S. Mehdi, Saudi Aramco, Dhahran/SAR
4505	12:10	Ageing of Polyethylene Raised Temperature (PE-RT) in contact with sanitary hot chlorinated water <u>J. Castillo Montes</u> , D. Cadoux, O. Correc, Centre Scientifique et Technique du Bâtiment, Nantes/F; J. Creus, S. Touzain, Université de La Rochelle/F; E. Gaudichet-Maurin, Veolia Environnement Recherche et Innovation, Maisons-Laffitte/F; C. Sollogoub, A. Guinault, Conservatoire National des Arts et Métiers, Paris/F
1073	12:30	Influence of residual stresses on lifetime prediction for plastic pipes <u>J. Heinemann</u> , H. Haupt, A. Bockenheimer, M. Oechsner, TU Darmstadt/D; T. Schuster, R. Maria, R. Brüll, Deutsches Kunststoff-Institut, Darmstadt/D

	12:50	Lunchtime
		Tuesday, 6 September 2011
		Corrosion & Corrosion Protection of Drinking Water Systems (WP 20)
		Chair: W. Erning , BAM - Federal Institute for Materials Research and Testing, Berlin/D
4809	14:00	Corrosion of brass in drinking water with high alkalinity <u>A. Andersen</u> , F. Fontenay, L.R. Hilbert, FORCE Technology, Brøndby/DK
4560	14:20	Localised corrosion of stainless steels depending on chlorine dosage in chlorinated water <u>S. Mameng</u> , R. Pettersson, Outokumpu Stainless AB, Avesta/S
4911	14:40	Enhanced copper release from household drinking water systems under different hydrodynamic conditions T.E. Olivares, R.A. Cienfuegos, I.T. Vargas, <u>G.E. Pizarro</u> , Pontifical Catholic University of Chile, Santiago/RCH
4759	15:00	Compatibility of Legionella prevention methods with galvanised steel pipes in drinking water system M. Bajt Leban, <u>T. Kosec</u> , A. Legat, Slovenian National Building and Civil Engineering Institute, Ljubljana/SLO
	15:20	Coffee Break
		Corrosion & Corrosion Protection of Drinking Water Systems (WP 20)
		Chair: W. Erning , BAM - Federal Institute for Materials Research and Testing, Berlin/D
4820	15:50	Analysis of critical corrosion points to develop a well adapted maintenance strategy for water distribution networks <u>A. Becker</u> , U. Ruhrberg, IWW Water Centre, Mülheim/D; C. Sorge, IWW Water Centre, Biebesheim/D
	16:10	WP 20 Business Party Meeting (to 17:10)
		Tuesday, 6 September 2011
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour , Tata Steel Research Development & Technology, Ijmuiden/NL; T. Ladwein , Aalen University of Applied Sciences/D
1081	10:00	KEYNOTE Modern product developments of new steel surfaces for the automotive industry K.-H. Stellnberger, voestalpine Stahl GmbH, Linz/A
4777	10:40	Corrosion resistance of Al-coated 11 wt% Cr ferritic stainless steel in chloride containing environments <u>K.W. Cho</u> , S.H. Uhm, Y.H. Kim, W.B. Lee, Products Solution Research Group, Incheon/ROK; S.J. Cho, C.H. Park, M. Jang, Renault Samsung Motors, Co., Yongin-city/ROK
	11:00	Coffee Break
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour , Tata Steel Research Development & Technology, Ijmuiden/NL; T. Ladwein , Aalen University of Applied Sciences/D
4764	11:30	Perforation corrosion of dissimilar zinc coated steel in crevices for automotive applications <u>K. Stoltz Länta</u> , Scania CV AB, Södertälje/S; I. Siggelkow, Uppsala University/S; B. Johansson, Scania CV AB, Södertälje/S; D. Jacobsson, I. Annergren, D. Persson, Swerea KIMAB AB, Stockholm/S

4667	11:50	Corrosion by ethanol: a challenge in Brazil C. Molena, R. Santos-Costa, E. Almeida-Rodrigues, <u>R. Bertazzoli</u> , State University of Campinas/BR
4943	12:10	Evaluation of corrosivity in bioethanol and bioethanol - gasoline blends by electrochemical impedance spectroscopy <u>L. Baena</u> , J. Calderón, University of Antioquia, Medellin/CO
4917	12:30	Adsorption and surface chemistry of corrosion protecting organic acids on magnesium alloy AZ31 and MgO single crystals <u>S. Szillies</u> , University of Paderborn/D; P. Thissen, University of Texas at Dallas, Richardson, TX/USA; M. Wiesener, N. Buitkamp, University of Paderborn/D; N. Fink, MPI for Iron Research, Düsseldorf/D; G. Grundmeier, University of Paderborn/D
	12:50	Lunchtime
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; T. Ladwein, Aalen University of Applied Sciences/D
4851	14:00	Comparative study of corrosion mechanisms for Zn, ZnMg, ZnAl and ZnAlMg coatings on steel <u>P. Volovitch</u> , CNRS - ENSCP, Paris/F; C. Allely, ArcelorMittal, Maizières-lès-Metz/F; T.-N. Vu, CNRS - ENSCP, Paris/F; L. Diaz, ArcelorMittal, Maizières-lès-Metz/F; K. Ogle, CNRS - ENSCP, Paris/F
4695	14:20	Pitting and surface characterisation of passivated X2CrTiNb18 stainless steel <u>B. Kämmerer</u> , S. Horn, F. Haider, University of Augsburg/D; H. Wieser, Faurecia Emission Control Technologies, Augsburg/D
4501	14:40	Selective dissolution of Zn and Al from Zn-Al alloy coatings on steel <u>T.N. Vu</u> , K. Ogle, P. Volovitch, CNRS - ENSCP, Paris/F
4952	15:00	Study of the replacement of AISI 304 austenitic stainless steel by ferritic stainless steels, in the manufacturing process of metal components for industrial bodywork <u>A. Vazquez</u> , F. Bouzada, A. Lopez, V. Pintos, AIMEN Technology Centre, Porrino Pontevedra/E
	15:20	Coffee Break
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; T. Ladwein, Aalen University of Applied Sciences/D
1074	15:50	Automotive corrosion problems in the field request new solutions <u>J. Baudoin</u> , Atotech France, Cergy Pontoise/F; P. Wachter, C. Donner, G. Bauer, P. Hartmann, H. Donsbach, V. Krenzel, J. Unger, Atotech Deutschland, Berlin/D
1038	16:10	Development of perforation corrosion resistance of the car body B. Rendahl, Swerea KIMAB AB, Stockholm/S
	16:30	WP 17 Business Party Meeting (to 17:10)
		Tuesday, 6 September 2011
		Cathodic Protection (WP 16)
		Chairs: M. Roche, Le Mesnil-le-Roi/F; J. Cruzillac, BAC Corrosion Control, Voisins-le-Bretonneux/F
	10.00	WP 16 Business Party Meeting (to 12:50)
	12.50	Lunchtime
		Tuesday, 6 September 2011

		Marine Corrosion (WP 9)
		Chair: U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S
	14:00	WP 9 Business Party Meeting (to 15:20)
	15.20	Coffee Break
		Tuesday, 6 September 2011
		Polymer Materials (WP 19)
		Chair: R. Morach, INTERTEK Expert Services, Basel/CH
	16:10	WP 19 Business Party Meeting (to 17:10)
		Wednesday, 7 September 2011
		Organic Coatings
		Chairs: M.F. Montemor, IST Lisbon/P; V. Miskovic-Stankovic, University of Belgrade/YU
4602	10:00	SKP and EIS study of filiform corrosion on electrocoated AA 6016 : role of metal pre-treatment and dimension of defect A. Nazarov, French Corrosion Institute, Brest/F; A.P. Romano, <u>M.O. Olivier</u> , University of Mons/B; D. Thierry, French Corrosion Institute, Brest/F
4746	10:20	Epoxy-coated reinforcement - quantitative assessment of the water absorption by use of NMR <u>M. Zintel</u> , C. Gehlen, A. Volkwein, TU Munich/D
4669	10:40	Temporary protection of pipes by UV-curable varnishes <u>D. Allue</u> , Vallourec, Aulnoye/F; F.A. Bonilla, Vallourec, Saint Saulve/F; F. Schultes, V. Roche, M. Bury, Vallourec, Aulnoye/F
	11:00	Coffee Break
		Organic Coatings (WP 14)
		Chairs: M.F. Montemor, IST Lisbon/P; V. Miskovic-Stankovic, University of Belgrade/YU
4771	11:30	Pyrrrole- and Aniline-functionalised silanes: outstanding treatments with fundamental differences <u>M. Trueba</u> , S.P. Trasatti, University of Milan/I
4694	11:50	Active corrosion protection by conducting polymer composites - importance of dispersion homogeneity <u>S. Jafarzadeh</u> , P.M. Claesson, J. Pan, KTH - Royal Institute of Technology, Stockholm/S
4961	12:10	Investigation into the effect of nano-silicaparticles on the protective properties of polyurethane coatings <u>D.J. Mills</u> , K. Paprocka, S.S. Jamali, University of Northampton/UK
	12:50	Lunchtime
		Inorganic Coatings (WP 14)
		Chairs: H. Terryn, Vrije Universiteit Brussel/B, J.M.C. Mol, TU Delft/NL
4473	14:00	The passivation effect of thin iron oxide films in carbonate and phosphate solutions <u>V. Miskovic-Stankovic</u> , J. Popic, J. Bajat, University of Belgrade/YU; B. Jegdic, Institute Gosa, Belgrade/YU; J. Han, Y. Xiong, D. Young, B. Brown, S. Nestic, Ohio University, Athens, OH/USA

4787	14:20	Corrosion protection of carbon steel by thin tantalum oxide layers deposited by FCAD and ALD B. Díaz, J. Swiatowska, V. Maurice, A. Seyeux, S. Zanna, CNRS - ENSCP, Paris/F; E. Härkönen, M. Ritala, University of Helsinki/FIN; S. Tervakangas, J. Kolehmainen, Diarc-Technology Inc, Espoo/FIN; P. Marcus, CNRS - ENSCP, Paris/F
4817	14:40	Electrochemical evaluation of the corrosion behavior of steel coated with titanium-based ceramic layers R. Ali, E. Alkhateeb, S. Virtanen, N. Popovska, University of Erlangen-Nuremberg, Erlangen/D
4719	15:00	Ultrathin corrosion-resistant ALD coatings for protection of Al-alloys V. Sammelselg, M. Merisalu, L. Aarik, J. Kozlova, R. Rammula, I. Netšipailo, University of Tartu/EW; M. Fenker, FEM Forschungsinstitut für Edelmetall- und Metallchemie, Schwäbisch Gmünd/D; J. Aarik, University of Tartu/EW
4743	15:20	Investigation of photocatalytic activity of titanium dioxide coating deposited on aluminium alloy substrate by plasma technique S. Daviðsdóttir, J. Soyama, K. Dirscherl, S. Canulescu, J. Schou, R. Ambat, TU Denmark, Lyngby/DK
	15:40	Coffee Break
		Anodising Layers (WP 14)
		Chairs: H. Terryn, Vrije Universiteit Brussel/B, J.M.C. Mol, TU Delft/NL
4550	16:10	Nanochemical impregnation of Modified Phosphoric Acid Anodised (MPAA) layers - a promising replacement for Chromic Acid Anodising (CAA) S.K. Weidmann, DECHEMA e.V., Frankfurt am Main/D; K. Kremmer, M. Schneider, Fraunhofer IKTS, Dresden/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
4600	16:30	Electrophoretic impregnation of mesoporous anodic aluminum oxide film by silica nanoparticles B. Fori, P.L. Taberna, L. Arurault, J.P. Bonino, Paul Sabatier University, Toulouse/F; C. Gazeau, P. Bares, Mecaprotec Industries, Muret/F
4467	16:50	Improved corrosion resistance of anodised aluminium coatings via incorporation of Al₂O₃ nanoparticles S. Caporali, U. Bardi, University of Florence/I
4890	17:10	Photocatalytic properties of nanotubular titanium oxides obtained by anodic oxidation M.V. Diamanti, M. Ormellese, B. Del Curto, M. Pedferri, Polytechnic University of Milan/I

		Wednesday, 7 September 2011
		Corrosion Mechanisms & Methods (WP 6 & 8)
		Chair: <u>I.S. Cole</u>, CSIRO Materials Science and Engineering, Karaikudi/AUS
4828	10:00	Corrosion of titanium-manganese alloys <u>J.W. Van der Merwe</u> , K. Ndwammbi, I. Sigalas, University of the Witwatersrand, Johannesburg/ZA
4448	10:20	Effect of structure on the corrosion for molybdenum and iron bearing titanium alloys in acidic solution T. Nishimura, National Institute for Materials Science (NIMS), Tsukuba/J
		Wednesday, 7 September 2011
		BIOCOR Session
		Chairs: T. Liengen, R. Basséguy, CNRS - University of Toulouse/F
4781	14:00	KEYNOTE BIOCOR ITN: MIC-based collaborative research and training across Europe <u>R. Basséguy</u> , J. Stephenson, CNRS - University of Toulouse/F
4959	14:40	KEYNOTE Bacterial metabolism and corrosion: an overview I.B. Beech, University of Portsmouth/UK
4790	15:20	Bacterial diversity and influence of SRB presence on metal behaviour within the oil & gas industry <u>L.T. Dall'Agnol</u> , M.G. Almeida, C.M. Cordas, J.J.G. Moura, New University of Lisbon, Caparica/P
	15:40	Coffee Break
		BIOCOR Session
		Chairs: T. Liengen, R. Basséguy, CNRS - University of Toulouse/F
4837	16:10	Biofilm formation studies and EPS analysis within the oil & gas industry <u>A. Wikiel</u> , M. Vera, W. Sand, University of Duisburg-Essen, Essen/D
4765	16:30	The use of functional genes to characterise bacterial communities implicated in biocorrosion of carbon steel in an oil field environment <u>M. Szttyler</u> , Z. Vitaly, I. Beech, University of Portsmouth/UK
4652	16:50	Possible development of iron reducing bacteria using corrosion products within nuclear waste geological disposal facilities <u>M. Kerber Schütz</u> , M. Libert, CEA - Cadarache, Saint Paul lez Durance/F; M.L. Schlegel, CEA Saclay, Gif-sur-Yvette/F
4865	17:10	Geobacter <i>sulfurreducens</i>: a possible new mechanism of the corrosion of carbon steel in the oil and gas industry C. Cote, <u>O. Rosas</u> , R. Basseguy, University of Toulouse/F
		Wednesday, 7 September 2011
		Workshop on Corrosion Inhibition in Oil & Gas (EFC WP 1 & WP 13 & NACE STG 61)
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; M. Achour, ConocoPhillips Company, Bartlesville, OK/USA
4441	10:00	Inhibitor evaluation for hot, sweet gas gathering lines from a view point of a user <u>T. Sunaba</u> , Y. Tomoe, INPEX Corporation, Tokyo/J

4612	10:20	Effect of acid flowbacks on corrosion inhibition efficiency <u>M. Achour</u> , ConocoPhillips Company, Bartlesville, OK/USA; F. Bredal, ConocoPhillips Company, Stavanger/N; D. Blumer, ConocoPhillips Company, Bartlesville, OK/USA
4798	10:40	Characterisation of the effect of oil on CO₂ corrosion inhibitor efficiency <u>M. Foss</u> , Institute for Energy Technology, Kjeller/N; J. Sjöblom, Norwegian University of Science and Technology, Trondheim/N; A. Palencsar, Institute for Energy Technology, Kjeller/N
	11:00	Coffee Break
		Workshop on Corrosion Inhibition in Oil & Gas (EFC WP 1 & WP 13 & NACE STG 61)
		Chairs: T. Chevrot, Total S.A., Paris-La Défense/F; M. Achour, ConocoPhillips Company, Bartlesville, OK/USA
4717	11:30	Corrosion inhibition of steels in aqueous media in contact with supercritical carbon dioxide Yu. Zhang, K. Gao, University of Science and Technology of China, Beijing/PRC; <u>G. Schmitt</u> , IFINKOR, Iserlohn/D
4576	11:50	The development of a bi functional (corrosion and scale) inhibitor for oilfield application <u>T.E. Pou</u> , Arkema, Pierre Bénite/F; M. Salaun, Ceca, La Garenne Colombe/F; G. Barreto, Arkema, Pierre Bénite/F; Y. Mottot, Ceca, La Garenne Colombe/F
4446	12:10	Efficiency of volatile corrosion inhibitors in aggressive vapor space environments <u>E. Lyublinski</u> , T. Natale, Northern Technologies International Corporation, Beachwood, OH/USA; A. Altsybeeva, T. Kuzinova, OAO VNIINEFTECHIM, St. Petersburg/RUS; E. Kopylova, Lenpromtechnologies, St. Petersburg/RUS; R. Singh, ZERUST, Sao Paulo/BR; M. Schultz, Petrobras, Rio de Janeiro/BR
4540	12:30	Electrochemical study of CO₂ corrosion and inhibition in high turbulence multiphase flow using jet impingement technique J. Meng, Honeywell Corrosion Solutions, Houston, TX/USA
	12:50	Lunchtime
		Wednesday, 7 September 2011
		Corrosion, Erosion and Corrosion Monitoring
		Chairs: M. Bonis, TOTAL S.A., Pau/F; M. Achour, ConocoPhillips Company, Bartlesville, OK/USA
4680	14:20	The importance of pH prediction in CO₂/H₂S oil and gas production systems K. Yap, S. Srinivasan, <u>V. Lagad</u> , Honeywell International Inc., Houston, TX/USA
4606	14:40	Influence of sand presence and flow velocity on CO₂ corrosion inhibitor performance for carbon steel - a jet impingement study <u>R. Barker</u> , X. Hu, A. Neville, University of Leeds/UK
4915	15:00	cancelled
	15:40	Coffee Break

		Corrosion, Erosion and Corrosion Monitoring
		Chairs: M. Bonis, TOTAL S.A., Pau/F; M. Achour, ConocoPhillips Company, Bartlesville, OK/USA
4690	16:10	Corrosion behaviour and microstructural study of carbon steel weldment within aqueous solution containing CO₂ A. Abdurrahim, Libyan Petroleum Institute, Tripoli/LAR; S. Hashimi, S. Naher, D. Brabazon, Dublin City University/IRL; A. Betts, Dublin Institute of Technology/IRL
1039	16:30	Detection of corrosion in oil and gas pipelines using Guided Waves A. Demma, D. Alleyne, Guided Ultrasonics Ltd, Brentford/UK; V. Nunez, Servicios Marinos y Terrestres, Villahermosa/MEX; R. Cabrera Perez, Pemex, Villahermosa/MEX
4906	16:50	Electrochemical noise application for carbon steel corrosion rate analysis at carbon dioxide gas saturated solution H.A. Ponte, N.M. Kaminari, A.N. Diogenes, Federal University of Paraná, Curitiba/BR; H.N. Domingues, Petrobras, Rio de Janeiro/BR
		Wednesday, 7 September 2011
		Corrosion by Hot Gases and Combustion Products (WP 3)
		Chair: M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4708	10:00	Steam oxidation of superheater / reheater alloys: impact of steam flow rates and specimen geometries M. Lukaszewicz, T. Dudziak, J.R. Nicholls, N.J. Simms, Cranfield University/UK
4877	10:20	Hydrogen uptake in chromia scales formed on pure Cr in water vapour containing high pO₂ test gases at 1000°C J. Berns, University of Siegen/D; P. Tran, M. Hänsel, Forschungszentrum Jülich/D; B. Gorr, University of Siegen/D; V. Shemet, U. Breuer, W.J. Quadackers, Forschungszentrum Jülich/D; H.-J. Christ, University of Siegen/D
4656	10:40	Corrosion of superheaters at 600°C steam in biomass-fired boilers P. Henderson, Vattenfall Research and Development AB, Stockholm/S; M. Lundberg, AB Sandvik Material Technology/S
	11:00	Coffee Break
		Corrosion by Hot Gases and Combustion Products (WP 3)
		Chair: M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4804	11:30	High temperature oxidation of SiC fibers under low oxygen partial pressure N. Hun, L. Brissonneau, CEA Cadarache, Saint Paul les Durance/F; F. Rebillat, Laboratoire des Composites ThermoStructuraux (LCTS), Bordeaux/F
4766	11:50	Composition modifications and heat treatment procedures for obtaining higher emission coefficients of alumina surface layers on FeCrAl alloys S.G. Gopalakrishnan, P. Huczkowski, Forschungszentrum Jülich/D; J. Pernpeintner, T. Fend, German Aerospace Centre (DHL), Cologne/D; R. Iskandar, J. Mayer, RWTH Aachen University/D; L. Singheiser, W.J. Quadackers, Forschungszentrum Jülich/D
4856	12:10	The influence of cerium and silicon on the high temperature oxidation properties in 21Cr-11Ni-Si-N-Ce stainless steel T. Sand, N. Folkesson, Sandvik Materials Technology/S
4580	12:30	Experimental prediction of breakaway oxidation occurring on shot-peened stainless steels Y. Nishiyama, A. Iseda, M. Yoshizawa, Sumitomo Metal Industries Ltd., Amagasaki/J; H. Ogawa, Sumitomo Metal Industries Ltd., London/UK; M. Igarashi, Sumitomo Metal Industries Ltd., Amagasaki/J
	12:50	Lunchtime

		Corrosion by Hot Gases and Combustion Products (WP 3)
		Chair: M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4750	14:00	Effect of addition of 4 % Al on the high temperature oxidation and corrosion of a 20Cr25Ni austenitic stainless steel R. Elger, Swerea KIMAB AB, Stockholm/S
4756	14:20	Preoxidation treatment on a NiFeCr alloy under low oxygen pressure and its effect on the oxidation kinetics in air at 1050°C <u>X. Ledoux</u> , P.J. Panteix, S. Mathieu, M. Vilasi, Nancy University, Vandoeuvre-lès-Nancy/F; P. Del-Gallo, Air Liquide, Les Loges-en-Josas/F
1015	14:40	The impact of SO₂ on the corrosion resistance of VM12-SHC steel in CO₂ rich flue gas <u>T. Neddemeyer</u> , H. Nitschke, G. Oder, R.S. Neumann, I. Urban, BAM - Federal Institute for Materials Research and Testing, Berlin/D; J. Piron, R. Kirchheiner, V&M Deutschland GmbH, Düsseldorf/D; U. Zeislmaier, V&M Deutschland GmbH, Duesseldorf/D
4583	15:00	Parameters affecting enhanced oxidation of nickel base alloys in Air-SO₂ mixtures <u>A. Jalowicka</u> , D. Naumenko, L. Singheiser, W.J. Quadackers, Forschungszentrum Jülich/D
4728	15:20	Corrosion of a heat-resistant steel 253MA by sulphurous gases and deposits at high temperature M. Lindgren, Outotec, Pori/FIN
	15:40	Coffee Break
		Corrosion by Hot Gases and Combustion Products (WP 3)
		Chair: M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4754	16:10	Effect of gas phase composition on fireside corrosion of carbon steel for superheater applications in WtE plants <u>J. Brossard</u> , X. Chaucherie, F. Nicol, Veolia Environnement, Limay/F; C. Rapin, M. Vilasi, University Henri Poincaré, Nancy/F
4555	16:30	Recent laboratory work to explore chlorine-induced high temperature corrosion <u>J. Lehmusto</u> , B.-J. Skrifvars, P. Yrjas, M. Hupa, Åbo Akademi University, Turku/FIN
4826	16:50	Type II hot corrosion of gas turbine disc alloys <u>A. Potter</u> , N.J. Simms, J. Sumner, A. Encinas-Oropesa, J.R. Nicholls, Cranfield University/UK; J. Leggett, M. Hardy, Rolls Royce plc, Derby/UK
4822	17:10	High temperature oxidation of novel γ/γ-strengthened Co-base superalloys <u>L. Klein</u> , Y. Shen, M. Killian, S. Virtanen, University of Erlangen-Nuremberg, Erlangen/D
	17:30	WP 3 Business Party Meeting
		Wednesday, 7 September 2011
		Nuclear Corrosion (WP 4)
		Chair: B. Rosborg, KTH - Royal Institute of Technology, Stockholm/S
4531	10:00	Fluctuation of redox conditions in a waste disposal cell: influence on the corrosion behavior of carbon steel components <u>M. Saheb</u> , J.P. Gallien, D. Neff, P. Dillmann, CEA Saclay, Gif-sur-Yvette/F; M. Descostes, AREVA NC, La Défense/F; F. Marsal, D. Pellegrini, IRSN, Fontenay-aux-Roses/F
1056	10:20	The electrochemistry of carbon steel in simulated concrete pore water in boom clay repository environments <u>D. Macdonald</u> , A. Saleh, A. Almarzooqi, O. Rosas-Comacho, S. Lee, M. Taylor, Pennsylvania State University, University Park, PA/USA

1045	10:40	Iron corrosion in nuclear waste disposable at 90°C: insight from passive and anodically activated corrosion in integrated setups <u>M. Schlegel</u> , C. Bataillon, C. Blanc, E. Foy, CEA Saclay, Gif-sur-Yvette/F; N. Trcera, Synchrotron Soleil, Saint Aubin/F
	11:00	Coffee Break
		Nuclear Corrosion (WP 4)
		Chair: B. Rosborg, KTH - Royal Institute of Technology, Stockholm/S
4879	11:30	Role of excessive vacancies redistribution in p-n type duplex Cu₂O film under anodic bias in TGSCC of pure copper <u>P. Aaltonen</u> , Technical Research Centre of Finland, Espoo/FIN; Y. Yagodzinsky, S. Kilpeläinen, F. Tuomisto, H. Hänninen, Aalto University, Espoo/FIN
1055	11:50	Volt equivalent diagrams as a means of displaying the electrochemical thermodynamics of aqueous systems <u>D. Macdonald</u> , Pennsylvania State University, University Park, PA/USA; S. Sharifi, Pennsylvania State University, University Park, PA/USA
4666	12:10	Zirconium corrosion in nitric acid containing traces of hydrofluoric acid <u>C. Vittoz</u> , AREVA NC, Beaumont-Hague/F; P. Fauvet, B. Fieulaine, CEA, Gif sur Yvette/F
4912	12:30	Ex-Situ electrochemical characterisation of oxidised zirconium <u>J. Smith</u> , S. Lyon, University of Manchester/UK
	12:50	Lunchtime
		Nuclear Corrosion (WP 4)
		Chair: T. Couvant; EDF, Paris/F
1002	14:00	Electrochemical and nanomechanical behavior of iron base stainless steels <u>M. Zamanzade</u> , Saarland University, Saarbrücken/D; A. Barnoush, J. Luo, University of Alberta, Edmonton, AB/CDN
1063	14:20	Characterisation of oxide films formed on Inconel 690 under simulated PWR primary water conditions <u>J. Chen</u> , J. Öijerholm, Studsvik Nuclear AB, Nyköping/S; F. Lindberg, Swerea KIMAB AB, Stockholm/S; A. Riazanova, KTH - Royal Institute of Technology, Stockholm/S; B. Bengtsson, Ringhals AB, Väröbacka/S
4939	14:40	Effects of water chemistry on PWSCC initiation and propagation in Alloy 600 <u>A. Molander</u> , K. Norring, Studsvik Nuclear AB, Nyköping/S; P.-O. Andersson, P. Efsing, Ringhals AB, Väröbacka/S
4937	15:00	High temperature oxidation of ternary NiCrFe model alloys: study of the influence of the oxidation key parameters and comparison with the EKINOX model <u>E. Aublant</u> , AREVA NP, Le Creusot/F; F. Lequien, CEA Saclay, Gif-sur-Yvette/F; O. Calonne, AREVA NP, Le Creusot/F; C. Desgranges, CEA Saclay, Gif-sur-Yvette/F
4428	15:20	Modeling the effect of temperature on stress corrosion cracking of nickel in nuclear environments <u>H. Hoffmeister</u> , O. Klein, University of the Federal Armed Forces Hamburg/D
	15:40	Coffee Break
		Nuclear Corrosion (WP 4)
		Chair: D. Féron, CEA Saclay, Gif-sur-Yvette/F
	16:10	WP 4 Business Party Meeting (to 17:30)

		Wednesday, 7 September 2011
		Corrosion of Steel in Concrete (WP 11)
		Chair: M. Raupach, RWTH Aachen University/D
4846	10:00	3D finite element analysis of reinforcement structures exposed to chloride induced corrosion <u>M. Kuster</u> , University of Zagreb/HR; <u>J. Ozbolt</u> , University of Stuttgart/D; <u>G. Balabanic</u> , University of Rijeka/HR
4859	10:20	Corrosion inhibition of steel reinforcement in solutions simulating carbonated and chloride-polluted concrete <u>C. Monticelli</u> , <u>A. Balbo</u> , University of Ferrara/I; <u>S. Grassini</u> , Polytechnic University of Turin/I; <u>D. Gelli</u> , University of Ferrara/I
4864	10:40	Applicability of cp for reinforced concrete members with arbitrary geometries <u>C. Helm</u> , <u>T. Eichler</u> , BAM - Federal Institute for Materials Research and Testing, Berlin/D; <u>M. Raupach</u> , RWTH Aachen University/D; <u>B. Isecke</u> , BAM - Federal Institute for Materials Research and Testing, Berlin/D
	11:00	Coffee Break
		Corrosion of Steel in Concrete (WP 11)
		Chair: M. Raupach, RWTH Aachen University/D
4807	11:30	Preventing corrosion of reinforcing steel in seawater cooling towers <u>Z. Chaudhary</u> , <u>S.A. Al-Shehri</u> , Saudi Basic Industries Corporation (SABIC), Jubail Industrial City/SAR
4523	11:50	Reinforcement corrosion on concrete structures exposed to seawater <u>J. Ahlström</u> , <u>B. Sandberg</u> , Swerea KIMAB AB, Stockholm/S
4616	12:10	Atmospheric corrosion of concrete reinforced bars in tropical coastal regions <u>A. Castañeda</u> , National Center for Scientific Research (CNIC), Havana/C; <u>F. Corvo</u> , Autonomous University of Campeche/MEX; <u>J. Howland</u> , Polytechnic University José Antonio Echeverría, Havana/C; <u>T. Pérez</u> , Autonomous University of Campeche/MEX
4535	12:30	Localized corrosion and passivation of stainless steels: the effect of Mo alloying on alkaline media <u>T. Mesquita</u> , Ugitech Research Center, Saint Martin d'Hères/F; <u>E. Chauveau</u> , <u>M. Mantel</u> , Ugitech Research Center, Ugine/F; <u>N. Kinsman</u> , IMO A - International Molybdenum Association, London/UK; <u>R. Nogueira</u> , LEPMI - INPG, Saint Martin d'Hères/F
	12:50	Lunchtime
		Corrosion of Steel in Concrete (WP 11)
		Chair: M. Raupach, RWTH Aachen University/D
4902	14:00	Investigations into the time dependent surface morphology of reinforcing steel subjected to chloride containing concrete <u>J. Harnisch</u> , <u>M. Raupach</u> , RWTH Aachen University/D
4903	14:20	Adaption of EN480-14:2006 as a test method for determining a critical chloride threshold level for stainless steel rebar <u>M. Schönning</u> , <u>S. Randström</u> , Outokumpu Stainless AB, Avesta/S; <u>M. Adair</u> , Outokumpu Stainless Ltd, Sheffield/UK
4735	14:40	Stress corrosion cracking and hydrogen embrittlement behaviour of high strength duplex and austenitic stainless steels in simulated concrete pore solution <u>B. Grimault</u> , <u>L. Gaillet</u> , <u>M. Drissi-Habti</u> , IFSTTAR - French Institute of Science and Technology for Transport, Bouguenais/F; <u>T. Chaussadent</u> , IFSTTAR - French Institute of Science and Technology for Transport, Paris/F; <u>E. Chauveau</u> , <u>M. Mantel</u> , Ugitech, Ugine/F

4571	15:00	Electrochemical and analytical study on the corrosion behaviour of austeno-ferritic stainless steel in alkaline media F. Montemor, L. Freire, IST Lisbon/P; M. Carmezim, Polytechnic Institute of Setúbal/P
4609	15:20	Nano-materials for corrosion control in reinforced concrete D. Koleva, J. Hu, TU Delft/NL; N. Boshkov, V. Milkova, Bulgarian Academy of Sciences, Sofia/BG; K. van Breugel, TU Delft/NL
	15:40	Coffee Break
		Corrosion of Steel in Concrete (WP 11)
		Chair: M. Raupach, RWTH Aachen University/D
	16:10	WP 11 Business Party Meeting (to 17:30)
		Wednesday, 7 September 2011
		Marine and Offshore Cathodic Protection (WP 9 & WP 16)
		Chairs: U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S; M. Roche, Le Mesnil-le-Roi/F
1092	10:00	Correlation between inhomogeneous deformation in superduplex stainless steels and the resistance against HISC U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S
1062	10:20	Effect of flowing state on calcareous deposit in seawater under CP with controlling current density M. Du, Ocean University of China, Qingdao/PRC
4899	10:40	Thermally sprayed aluminium-zinc-indium for corrosion protection of steel in a marine environment C.J. Wheatley, D. Stephenson, London & Scandinavian Metallurgical Co Ltd, Sheffield/UK
	11:00	Coffee Break
		Marine and Offshore Cathodic Protection (WP 9 & WP 16)
		Chairs: U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S; M. Roche, Le Mesnil-le-Roi/F
4841	11:30	Cathodic disbonding of organic coatings at high temperature O.Ø. Knudsen, SINTEF Materials and Chemistry, Trondheim/N; H. Gundersen, K.K. Brende, Norwegian University of Science and Technology, Trondheim/N
4663	11:50	Fatigue of super duplex stainless steel in natural seawater under cathodic protection N. Lautrou, D. Thierry, French Corrosion Institute, Brest/F
		Wednesday, 7 September 2011
		Marine Corrosion in the Oil and Gas Industry (WP 9 & WP 13)
		Chair: U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S
4830	12:10	Accelerated crevice corrosion testing of 6MO stainless steel flanges with different gasket materials in seawater T. Mathiesen, H. Bang, FORCE Technology, Brøndby/DK
4843	12:30	Effect of hydrostatic pressure on marine corrosion D. Olowe, N.C. Renton, University of Aberdeen/UK
	12:50	Lunchtime

1079	14:00	KEYNOTE Marine corrosion of metals: an engineering guide to assist in avoiding it! C. Powell, CDA Marine Project, Ludlow Shropshire/UK
4545	14:40	Long term corrosion testing and monitoring of oxygen and corrosion potential in an umbilical design <u>D. Thierry</u> , N. Larché, French Corrosion Institute, Brest/F; J. Eidhagen, U. Kivisäkk, AB Sandvik Material Technology/S; T. Cassagne, Total EP, Pau/F; L. Mehus, K. van Thoor, Aker Subsea, Snaroya/N
4548	15:00	Crevice corrosion properties for Sandvik SAF 3207 HD during injection of natural and chlorinated seawater <u>J. Eidhagen</u> , U. Kivisäkk, AB Sandvik Materials Technology/S
4730	15:20	Inspection and monitoring of corrosion inside monopile foundations for offshore wind turbines <u>L. Hilbert</u> , A. Black, F. Andersen, T. Mathiesen, FORCE Technology, Brøndby/DK
	15:40	Coffee Break
		Marine Corrosion (WP9)
		Chairs: U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S; L. Hilbert, FORCE Technology, Brøndby/DK
1034	16:10	New investigations on critical wall shear stresses of CuNi alloys in natural and artificial seawater B. Sagebiel, KME Germany AG &Co KG, Osnabrück/D; G. Schmitt, IFINKOR, Iserlohn/D; R. Feser, University of South-Westfalia, Iserlohn/D; <u>C. Kapsalis</u> , KME Germany, Osnabrück/D; S. Wilmes, IFINKOR, Iserlohn/D
4852	16:30	Corrosion performance of inorganic coatings on carbon steel in seawater <u>X. Zhang</u> , S.J. Buter, G.M. Ferrari, TNO, Den Helder/NL; E.P.M. van Westing, Materials innovation institute (M2i), Delft/NL; L. Kowalski, MIT Holland BV, Kinderdijk/NL
4882	16:50	Corrosion properties of copper nickel alloys in chlorinated sea water V. Debout, <u>A.-M. Grolleau</u> , DCNS SMA, Cherbourg/F; H. Le Guyader, Turlaville/F; J.-P. Pautasso, DGA IP/ DET, Bagnieux/F; J. Blanc, DGA, Toulon/F
1096	17:10	Corrosion in ballast tank of merchant vessels <u>H. Verstraelen</u> , C. De Baere, Antwerp Maritime Academy/B
		Wednesday, 7 September 2011
		Joint Session on Atmospheric Corrosion and Heritage Artefacts (WP 21)
		Chairs: P. Dillmann, CEA Saclay, Gif-sur-Yvette/F; C. Leygraf, I. Odnevall Wallinder, KTH - Royal Institute of Technology, Stockholm/S; J. Tidblad, Swerea KIMAB AB, Stockholm/S
4469	10:00	GILDES model simulations of the atmospheric corrosion of copper induced by low concentrations of acetic acid <u>H. Gil</u> , C. Leygraf, KTH - Royal Institute of Technology, Stockholm/S; J. Tidblad, Swerea KIMAB AB, Stockholm/S
4491	10:20	Multi-analytical studies of initial atmospheric corrosion of Cu, Zn, and brass induced by carboxylic acids P. Qiu, KTH - Royal Institute of Technology, Stockholm/S; H. Gil, University of Antioquia, Medellín/CO; J. Hedberg, <u>C. Leygraf</u> , KTH - Royal Institute of Technology, Stockholm/S
4799	10:40	In situ infrared reflection spectroscopy studies of the initial atmospheric corrosion of Zn-Mg-Al coated steel <u>D. Persson</u> , Swerea KIMAB, Stockholm/S; D. Thierry, N. LeBozec, T. Prosek, E. Diler, French Corrosion Institute, Brest/F
	11:00	Coffee Break

		Joint Session on Atmospheric Corrosion and Heritage Artefacts (WP 21)
		Chairs: P. Dillmann, CEA Saclay, Gif-sur-Yvette/F; C. Leygraf, I. Odnevall Wallinder, KTH - Royal Institute of Technology, Stockholm/S; J. Tidblad, Swerea KIMAB AB, Stockholm/S
4474	11:30	Electrochemical testing of micron-sized stainless steel particles <u>Y. Hedberg</u> , KTH - Royal Institute of Technology, Stockholm/S; P. Linhardt, Vienna University of Technology/A; I. Odnevall Wallinder, KTH - Royal Institute of Technology, Stockholm/S
4863	11:50	Corrosion monitoring in outdoor and indoor conditions of museums by means of electrical resistance technique <u>M. Kouril</u> , Institute of Chemical Technology, Prague/CZ; T. Prosek, French Corrosion Institute, Brest/F; B. Scheffel, Fraunhofer Institute for Electron Beam and Plasma Technology, Dresden/D; Y. Degres, nke SA, Hennebont/F
4660	12:10	Protecting industrial heritage collections from corrosive environments Y.R. Shashoua, <u>H. Matthiesen</u> , National Museum of Denmark, Lyngby/DK
4896	12:30	Quantifying corrosion of archaeological iron <u>D. Watkinson</u> , M.B. Rimmer, Cardiff University/UK
	12:50	Lunchtime
		Joint Session on Atmospheric Corrosion and Heritage Artefacts (WP 21)
		Chairs: P. Dillmann, CEA Saclay, Gif-sur-Yvette/F; C. Leygraf, I. Odnevall Wallinder, KTH - Royal Institute of Technology, Stockholm/S; J. Tidblad, Swerea KIMAB AB, Stockholm/S
	12:50	Lunchtime
4618	14:20	The iron artefacts of the Amiens Cathedral: an in situ EIS measuring campaign for the assessment of the corrosion behaviour <u>S. Grassini</u> , S. Corbellini, Polytechnic University of Torino/I; D. Neff, P. Dillmann, CEA Saclay, Gif sur Yvette/F; M. Parvis, E. Angelini, Polytechnic University of Torino/I
4532	14:40	Long-term atmospheric corrosion of ferrous artefacts: monitoring the structural evolution of rust layers by in situ analyses <u>E. Burger</u> , M. Bouchar, D. Neff, P. Dillmann, CEA Saclay, Gif-sur-Yvette/F
4958	15:00	Study of the dechlorination of marine archaeological artefacts in aerated NaOH solution by a combination of microbeam synchrotron X-ray diffraction and X-ray absorption spectroscopy <u>F. Kergourlay</u> , D. Neff, E. Foy, CEA Saclay, Gif-sur-Yvette/F; F. Mirambet, C2RMF - The Centre for Research and Restoration of the Museums of France, Paris/F; S. Reguer, D. Vantelon, Synchrotron Soleil, Gif-sur-Yvette/F; M. Cotte, ESRF, Grenoble/F; P. Dillmann, CEA Saclay, Gif-sur-Yvette/F
4775	15:20	Corrosion behaviour of structural metals in respect to long-term changes in the atmospheric environment <u>K. Kreislova</u> , D. Knotkova, SVUOM Ltd., Prague/CZ
	15:40	Coffee Break
		Joint Session on Atmospheric Corrosion and Heritage Artefacts (WP 21)
		Chairs: P. Dillmann, CEA Saclay, Gif-sur-Yvette/F; C. Leygraf, I. Odnevall Wallinder, KTH - Royal Institute of Technology, Stockholm/S; J. Tidblad, Swerea KIMAB AB, Stockholm/S
4640	16:10	Zn sheet and pre-weathered Zn materials with and without thin organic coatings exposed in an urban and a marine environment for five years - a comparison from a runoff and corrosion perspective J. Hedberg, <u>I. Odnevall Wallinder</u> , KTH - Royal Institute of Technology, Stockholm/S

4628	16:30	Importance of marine chloride deposition on metal release and atmospheric corrosion processes of copper alloys S. Goidanich, <u>R. Poccia</u> , Polytechnic University of Milan/I; M.A. Arenas, National Center for Metallurgical Research (CENIM), Madrid/E; J.M. Sánchez Amaya, TITANIA, Cadiz/E; N. LeBozec, French Corrosion Institute, Brest/F; I. Odnevall Wallinder, KTH - Royal Institute of Technology, Stockholm/S
4698	16:50	Atmospheric degradation of stone in tropical climate: San Francisco de Asis Basilica Minor and Convent, Havana, Cuba C. Valdes, National Center for Scientific Research (CNIC), Havana/C; <u>F. Corvo</u> , Autonomous University of Campeche/MEX
	17:10	WP 21 Business Party Meeting
		Wednesday, 7 September 2011
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; T. Ladwein, Aalen University of Applied Sciences/D
1084	10:00	KEYNOTE Experience from field and accelerated testing of a standardized corrosion monitoring panel with versatile design options M. Ström, Volov Car Corporation, Göteborg/S
1009	10:40	Corrosion fatigue spring steels for automotive applications <u>G. Bosc</u> , C. Verdu, N. Mary, B. Normand, INSA de Lyon, Villeurbanne/F; A.F. Gourgues, T. Morgeneyer, ENSMP, Paris/F; M. Monin, M. Blanc, PSA Peugeot Citroën, La Garenne-Colomb/F; P. Guyot, P. Chalandon, PSA Peugeot Citroën, Montbéliard/F
	11:00	Coffee Break
		Automotive Corrosion (WP 17)
		Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; T. Ladwein, Aalen University of Applied Sciences/D
4818	11:30	Optical appearance and corrosion properties of aluminium based plasma coatings <u>M. Aggerbeck</u> , R. Ambat, TU Denmark, Lyngby/DK
4933	11:50	Corrosion of bipolar plates for polymer electrolyte fuel cells <u>O. Kongstein</u> , SINTEF Materials and Chemistry, Trondheim/N; S. Lædre, Norwegian University of Science and Technology, Trondheim/N; A. Ødegård, SINTEF Materials and Chemistry, Trondheim/N; F. Seland, Norwegian University of Science and Technology, Trondheim/N
1085	12:10	Perforation and bimetallic corrosion of dissimilar materials in automotive structures <u>D. Persson</u> , B. Rendahl, I. Annergren, SWEREA KIMAB AB, Stockholm/S
1082	12:30	Use of corrosion sensors for mapping corrosion on operating vehicle <u>L. Vaissiere</u> , M. Ragazzini, G. Despert, Renault SAS, Boulogne-Billancourt/F; N. LeBozec, D. Thierry, French Corrosion Institute, Brest/F
		Wednesday, 7 September 2011
		CCS Related Corrosion Research in Germany
		Chair: R. Bäßler, BAM - Federal Institute for Materials Research and Testing, Berlin/D
1087	14:00	Static and dynamic long term corrosion experiments in CCS-conditions <u>A. Pfennig</u> , University of Applied Sciences HTW Berlin, Berlin/D; A. Kranzmann, BAM - Federal Institute of Materials Research and Testing, Berlin/D

1014	14:20	Corrosion of building material within the process chain for carbon capture and storage (CCS) <u>A.S. Ruhl</u> , A. Göbel, D. Bettge, A. Kranzmann, BAM Federal Institute for Materials Research and Testing, Berlin/D
4668	14:40	Expected corrosion behavior of highly alloyed steels during carbon dioxide injection in deep geological aquifer fluids O. Yevtushenko, BAM - Federal Institute for Materials Research and Testing, Berlin/D; I. Carrillo Salgado, Autonomous University of Baja California/MEX; <u>R. Bäßler</u> , BAM - Federal Institute for Materials Research and Testing, Berlin/D
1103	15:00	Effect of oxygen on steel corrosion under supercritical CO₂ conditions Y. Zhang, University of Science and Technology, Beijing/PRC and IFINKOR, Iserlohn/D; K. Gao, University of Science and Technology, Beijing/PRC; <u>G. Schmitt</u> , IFINKOR, Iserlohn/D
Wednesday, 7 September 2011		
Corrosion in Refinery Industry (WP 15)		
Chair: F. Ropital, IFP Energies nouvelles, Solaize/F		
	10:00	WP 15 Business Party Meeting (to 12:50)
Thursday, 8 September 2011		
Metallic Coatings (WP 14)		
Chairs: F. Hannour, Tata Steel Research Development & Technology, Ijmuiden/NL; J. Telegdi, Hungarian Academy of Sciences, Budapest/HU		
4816	10:00	Corrosion behaviour of aluminized steel: influence of silicon and magnesium as alloying elements I. Schoukens, <u>I. De Graeve</u> , Vrije Universiteit Brussel/B; J. De Strycker, ArcelorMittal, Zelzate/B; H. Terryn, Vrije Universiteit Brussel/B
1026	10:20	Galvanic corrosion behaviour of some commercial aluminium-based and cadmium coatings coupled to steel in 3.5% NaCl solution <u>O.A. Fasuba</u> , A.L. Yerokhin, A. Matthews, A. Leyland, University of Sheffield/UK
4700	10:40	The effect of adding 5wt.%Mg on corrosion of IVD-Al coatings deposited onto mild steel substrate <u>N.M. Alanazi</u> , Saudi Aramco, Dhahran/SAR; A. Leylanda, A.L. Yerokhina, A. Matthews, University of Sheffield/UK
1019	11:00	Cut edge corrosion studies by a combination of macro and local (electro)chemical techniques <u>M. Madani</u> , OCAS NV/Arcelor Mittal, Zelzate/B; A.A. Pampliega, Vrije Universiteit Brussel/B; J. De Strycker, OCAS NV/Arcelor Mittal, Zelzate/B; K. Van den Bergh, OCAS NV/ArcelorMittal, Zelzate/B; E. Tourwé, H. Terryn, Vrije Universiteit Brussel/B
	11:20	Coffee Break
Metallic Coatings (WP 14)		
Chairs: L. Fedrizzi, University of Udine/I; M.G.S. Ferreira, IST Lisbon/P		
4582	11:50	Corrosion in sulphur containing media and wear behaviour of Ni matrix micro- and nano-composite electrodeposits <u>M. Lekka</u> , A. Lanzutti, University of Udine/I; A. Bertolozzi, Friulco S.p.a., Povoletto/I; P.L. Bonora, L. Fedrizzi, University of Udine/I
4731	12:10	Influence of additives on the mechanical and protective properties of electrodeposited Ni/Al₂O₃ composite coatings <u>E. García-Lecina</u> , I. García-Urrutia, A. Salicio, J.A. Díez, Fundacion CIDETEC-ik4, San Sebastián/E; P. Indyka, Institute of Metallurgy and Materials Science, Cracow/PL

4615	12:30	Direct deposition of electroless Ni-P coatings on magnesium from basic and acid baths <u>A. Zuleta</u> , E. Correa, M. Sepúlveda, J.G. Castaño, F. Echeverría, University of Antioquia, Medellín/CO; P. Skeldon, G.E. Thompson, University of Manchester/UK
4475	12:50	Ultrasonically enabled low temperature electroless plating <u>A.J. Cobley</u> , J.E. Graves, B. Henou, L. Paniwnyk, T.J. Mason, Coventry University/UK
	13:10	Break for Changing the Lecture Hall
	13:20	Closing Remarks
	13.40	End of Scientific Programme
		Thursday, 8 September 2011
		BIOCOR Session
		Chairs: T. Liengen, R. Basséguy, CNRS - University of Toulouse/F
4563	10:00	KEYNOTE Electrochemical scanning probe techniques for studying localized corrosion B. Tribollet, <u>V. Vivier</u> , CNRS - ENSCP, Paris/F
4655	10:40	Adsorption of PEO-PPO-PEO block copolymer on metal oxide surfaces used in cooling condensers of a marine power plant <u>Y. Yang</u> , Université Catholique de Louvain, Louvain-La-Neuve/B; J. Teledgi, Hungarian Academy of Sciences, Budapest/H; C. Dupont-Gillain, Université Catholique de Louvain, Louvain-La-Neuve/B
4770	11:00	Study of interface mechanisms of carbon steel biocorrosion in the underground storage of nuclear waste in the presence of iron reducing bacteria (<i>Shewanella sp.</i>) <u>R. Moreira</u> , M. Libert, B. Tribollet, V. Vivier, Pierre and Marie Curie University, Paris/F
	11:20	Coffee Break
		BIOCOR Session
		Chairs: T. Liengen, R. Basséguy, CNRS - University of Toulouse/F
4514	11:50	KEYNOTE Prediction of long-term corrosion for infrastructure applications R. Melchers, The University of Newcastle/AUS
4649	12:30	Biocorrosion and biofouling of cooling systems in energy facilities: first results <u>M. Carvalho</u> , P. Cristiani, RSE S.p.A., Milan/I
4650	12:50	Nanocoatings against microbial corrosion in cooling circuits of power plants <u>L. Románszki</u> , J. Telegdi, Hungarian Academy of Sciences, Budapest/H
	13:10	Break for Changing the Lecture Hall
	13:20	Closing Remarks
	13.40	End of Scientific Programme

		Thursday, 8 September 2011
		Corrosion in Oil and Gas Production (WP 13)
		Chair: T. Chevrot, Total S.A., Paris-La Défense/F
	10:00	WP 13 Business Party Meeting (to 13:10)
	11:20	Coffee Break
	13:10	Break for Changing the Lecture Hall
	13:20	Closing Remarks
	13.40	End of Scientific Programme
		Thursday, 8 September 2011
		Joint Session: Coatings for High Temperature Applications (WP 3 & WP 14)
		Chairs: L. Fedrizzi, University of Udine/I; M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4499	10:00	Cr-pack cementation of several cast cobalt-based alloys and study of the high temperature oxidation behaviour of the coated alloys <u>G. Michel</u> , P. Berthod, S. Mathieu, M. Vilasi, P. Steinmetz, University Henri Poincaré, Vandoeuvre-lès-Nancy/F
4810	10:20	Thermally sprayed coatings protecting biomass fired FB boiler <u>M. Oksa</u> , T. Varis, T. Suhonen, K. Ruusuvuori, Technical Research Centre of Finland, Espoo/FIN; S. Tuurna, Technical Research Centre of Finland, Tampere/FIN; S. Holmström, Technical Research Centre of Finland, Espoo/FIN
4763	10:40	Alumina coatings for protection of X20CrMoV12-1 <u>W. Schulz</u> , I. Dörfel, M. Nofz, A. Kranzmann, BAM - Federal Institute for Materials Research and Testing, Berlin/D
4913	11:00	Development of iron-based thermally sprayed and clad coatings for corrosion protection in chlorine containing environment at elevated temperature R.N. Durham, M. Schütze, DECHEMA e.V, Frankfurt am Main/D; H. Pokhmurska, B. Wielage, TU Chemnitz/D; D. Franik, A. Gebert, CeWOTec gGmbH, Chemnitz/D
	11:20	Coffee Break
		Joint Session: Coatings for High Temperature Applications (WP 3 & WP 14)
		Chairs: L. Fedrizzi, University of Udine/I; M. Schütze, DECHEMA e.V., Frankfurt am Main/D
4737	11:50	Development of new silicide coatings to protect niobium silicide in situ composites alloys against high temperature oxidation <u>S. Knittel</u> , S. Mathieu, M. Vilasi, University Henri Poincaré, Vandoeuvre les Nancy/F
4801	12:10	Ferromagnetic thermal load- and depletion-sensor for MCrAlY coatings <u>T. Hüttel</u> , Forschungszentrum Jülich/D; I. Teliban, E. Quandt, University of Kiel/D; R. Vaßen, L. Singheiser, W.J. Quadackers, Forschungszentrum Jülich/D
1076	12:30	Protective high temperature coatings with sensor function for residual life-time <u>K. Aleksandrov</u> , M. Schütze, DECHEMA e.V., Frankfurt am Main/D; I. Teliban, E. Quandt, University of Kiel, Kiel/D
1077	12:50	Sensor for monitoring the depletion state of high temperature protective coatings <u>I. Teliban</u> , C. Thede, S. Chemniz, C. Bechthold, E. Quandt, University of Kiel, Kiel/D; T. Hüttel, W. Quadackers, Forschungszentrum Jülich GmbH, Jülich/D; K. Aleksandrov, M. Schütze, DECHEMA e.V., Frankfurt am Main/D
	13:10	Break for Changing the Lecture Hall
	13:20	Closing Remarks

	13.40	End of Scientific Programme
		Thursday, 8 September 2011
		Nuclear Corrosion (WP 4)
		Chair: M. Garcia, CIEMAT, Madrid/E
4785	10:00	Crystallographic and plasticity effects on the first oxidation steps of stainless steel 316L <u>R. Soulas</u> , SIMAP, Saint Martin d'Hères/F; L Legras, EDF Group, Moret-sur-Loing/F; Y. Brechet, M. Cheynet, SIMAP, Saint Martin d'Hères/F; C. Domain, EDF Group, Moret-sur-Loing/F
4776	10:40	Initiation of SCC on cold-worked 316l austenitic stainless steel in PWR primary water conditions <u>E. Herms</u> , M. Rousseau, CEA Saclay, Gif-sur-Yvette/F; F. Vaillant, EDF Group, Moret-sur-Loing/F
4934	11:00	SCC initiation of pre-strained stainless steels in nominal primary water <u>P. Huguenin</u> , F. Vaillant, EDF Group, Moret-sur-Loing/F; J. Crepin, C. Duhamel, H. Proudhon, Mines ParisTech, Evry/F
	11:20	Coffee Break
		Nuclear Corrosion (WP 4)
		Chair: M. Garcia, CIEMAT, Madrid/E
4870	11:50	Corrosion of AISI 316L stainless steels under proton radiolysis at variable temperature and pressure in PWR modelling conditions <u>M. Wang</u> , Ecole polytechnique, Palaiseau/F; B. Muzeau, S. Perrin, CEA Saclay, Gif-sur-Yvette/F; C. Corbel, Ecole polytechnique, Palaiseau/F; D. Simon, CNRS - CEMHTI, Orléans/F; D. Feron, CEA Saclay, Gif-sur-Yvette/F
4635	12:10	Effects of cold working ratio and stress intensity factor on intergranular stress corrosion cracking of non-sensitised austenitic stainless steels in simulated BWR and PWR primary water <u>S. Yaguchi</u> , Mitsubishi Heavy Industries, LTD., Kobe/J; T. Yonezawa, Tohoku University, Sendai/J
4443	12:30	Environmental effect on cracking of austenitic stainless steels exposed to PWR primary water under cyclic loading <u>N. Huin</u> , T. Couvant, EDF R&D, Moret-sur-Loing/F; K. Tsutsumi, MHI, Takasago/J; L. Legras, EDF R&D, Moret-sur-Loing/F; G. Henaff, J. Mendez, Université de Poitiers, Futuroscope Chasseneuil/F; A. Bescond, EDF R&D, Moret sur Loing/F
4476	12:50	Influence of irradiation on the passive film formed on 316 L stainless steel in PWR primary water <u>S. Perrin</u> , L. Marchetti, CEA Saclay, Gif-sur-Yvette/F
	13:10	Break for Changing the Lecture Hall
	13:20	Closing Remarks
	13.40	End of Scientific Programme

		Thursday, 8 September 2011
		Local Probing of Corrosion Phenomena
		Chair: J. Pan, KTH - Royal Institute of Technology, Stockholm/S
4722	10:00	Electrochemical and in-situ optical-AFM studies of biomedical CoCrMo alloys. E. Bettini, KTH - Royal Institute of Technology, Stockholm/S; T. Eriksson, AB Sandvik Materials Technology/S; C. Leygraf, J. Pan, KTH - Royal Institute of Technology, Stockholm/S
4512	10:20	Local corrosion behaviour of free machining titanium alloys investigated by SKPFM and in-situ AFM F. Depentori, DECHEMA e.V., Frankfurt am Main/D; J. Laukart, TU Braunschweig/D; S. Benfer, DECHEMA e.V., Frankfurt am Main/D; C. Siemers, TU Braunschweig/D; W. Fürbeth, DECHEMA e.V., Frankfurt am Main/D
4481	10:40	Localised corrosion inhibition by cerium species on AA1050 aluminium alloy investigated by means of electrochemical micro-cell F. Andreatta, University of Udine/I; M.E. Druart, University of Mons/B; D. Bravin, A. Lanzutti, University of Udine/I; M. Olivier, University of Mons/B; L. Fedrizzi, University of Udine/I
4780	11:00	Localized corrosion of alpha-brasses (15-20 % zinc) in NaCl-solutions studied with local probe techniques M. Forslund, C. Leygraf, J. Pan, KTH - Royal Institute of Technology, Stockholm/S
	11:20	Coffee Break
		Local Probing of Corrosion Phenomena
		Chair: J. Pan, KTH - Royal Institute of Technology, Stockholm/S
4588	11:50	SKP and FT-IR microscopy study of the paint corrosion de-adhesion from the surface of galvanised steel A. Nazarov, French Corrosion Institute, Brest/F; M.-G. Olivier, University of Mons/B; D. Thierry, French Corrosion Institute, Brest/F
4752	12:10	A novel method for probing vertical potential profile at metal/solution interface of localised corrosion systems C.Q. Ye, Y. Li, C.J. Lin, Xiamen University/PRC; J.S. Pan, KTH - Royal Institute of Technology, Stockholm/S
4633	12:30	Local electrochemical evaluation of a shape-memory coating as a self-healing system for corrosion protection of metals Y. González-García, TU Delft/NL; T. Muselle, I. De Graeve, G. Van Assche, G. Scheltjens, B. Van Mele, H. Terryn, Vrije Universiteit Brussel/B; J.M.C. Mol, TU Delft/NL
	13:10	Break for Changing the Lecture Hall
	13:20	Closing Remarks
	13:40	End of Scientific Programme
		Thursday, 8 September 2011
		Marine Corrosion (WP 9)
		Chairs: U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S; L. Hilbert, FORCE Technology, Brøndby/DK
4738	10:00	Inhibition of laser welded sandwich steel panels in seawater J.J. Aromaa, Aalto University, Espoo/FIN; J. Leino, Radiation and Nuclear Safety Authority Finland, Helsinki/FIN; O.B.W. Forsén, Aalto University, Espoo/FIN
4420	10:20	Sheet pile corrosion in Swedish harbours - an inventory of corrosion rates along the Swedish Coast H. Wall, Lund University/S

4744	11:00	An integrated marine jetty integrity management programme A. Pillai, GreenScience Global Solutions LLP, Singapore/SGP
	11:20	Coffee Break
		Marine Corrosion (WP 9)
		Chairs: U.H. Kivisäkk, AB Sandvik Materials Technology, Sandviken/S; L. Hilbert, FORCE Technology, Brøndby/DK
4536	11:50	Corrosion behaviour of metallic welds in NaCl aqueous solution and salt fog atmosphere V. Richoux, University of Burgundy, Dijon/F; E. Suzon, CEA Valduc, Is-sur-Tille/F; V. Vignal, University of Burgundy, Dijon/F
1106	12:10	Cathodic protection behaviour of marine structures - modelling approach C. Baete, L. Bortels, J.-M. Dewilde, Elsyca NV, Wijgmaal/B
	13:10	Break for Changing the Lecture Hall
	13:20	Closing Remarks
	13.40	End of Scientific Programme

(Programme subject to change)