

Monday 12 September 2016

Oral Programme as of 18/07/2016

Auditorium Pasteur	Plenary Session
9:15	Opening Ceremony Philippe Marcus (EUROCORR 2016 Chairman) Fatima Montemor (EFC President)
9:45	Award Ceremony (European Corrosion Medal)
10:15	European Corrosion Medal Award Lecture Lorenzo Fedrizzi (Dipartimento di Scienze e Tecnologie Chimiche, Universita degli Studi di Udine)
11:00	Young Scientist Grants Announcement
11:15	Plenary Lecture Effects on corrosion of altered surface layers formed on Al alloys by deformation Gerald Frankel (Department of Materials Science and Engineering, College of Engineering, Ohio State University)
12:00	Lunch

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Rondelet		Metallic Coatings
Chair(s)		M. Olivier / M. Poelman
13:40	O-64852	Alternative to cadmium coatings: AlMn based coatings by magnetron sputtering Mireille Poelman (Materia Nova) / Corinne Nouvellon (<i>idem</i>) / Alisson Tromont (<i>idem</i>) / Emeline Lachéry (<i>idem</i>) / Laure Libralesso (CRM Group) / Raphaëlle Belchi (<i>idem</i>) / Marie-Georges Olivier (University of Mons) / Rony Snyders (<i>idem</i>)
14:00	O-61867	Alternative coatings to cadmium for wet corrosion protection Andrea Förg (Fraunhofer UMSICHT) / Mireille Poelman (Materia Nova) / Patrick J. Masset (Fraunhofer UMSICHT) / Andreas Bund (TU Ilmenau) / Adriana Ispas (<i>idem</i>) / Laure Libralesso (CRM Group) / Gerhard Wolf (Fraunhofer UMSICHT) / Corinne Nouvellon (Materia Nova) / Jerzy Ratajski (TU Koszalin) / Lukasz Szparaga (<i>idem</i>) / Pawel Rokicki (TU Rzeszow)
14:20	O-63067	Microstructure and corrosion behavior of cold sprayed SiCp/Al 5056 composite coatings Nicolas Mary (INSA-Lyon) / Yingying Wang (<i>idem</i>) / Bernard Normand (<i>idem</i>) / Min Yu (LERMPS) / Hanlin Liao (<i>idem</i>)
14:40	O-66512	Corrosion resistant metallic coatings for bipolar plates of proton exchange membrane fuel cells Eva García-Lecina (Fundación CIDETEC) / Malo Carradot (INSA-Lyon - CNRS, MATEIS) / Benoît Ter-Ovanesian (<i>idem</i>) / Bernard Normand (<i>idem</i>) / Naroa Imaz (Fundación CIDETEC) / José Antonio Díez (<i>idem</i>) / Francisco Javier Rodríguez (<i>idem</i>)
15:00	O-65892	Galvanic coupling criticality of passive stainless steel coated by noble materials: Role of porosity morphology and distribution Malo Carradot (INSA-Lyon) / Benoît Ter-Ovanesian (<i>idem</i>) / Bernard Normand (<i>idem</i>)
15:20	O-57497	Production, microstructural characterization and corrosion properties of Ni/B electrodeposits with low B content Ruben Offoiach (University of Udine) / Maria Lekka (<i>idem</i>) / Alex Lanzutti (<i>idem</i>) / Lorenzo Fedrizzi (<i>idem</i>)
15:40	Coffee Break	
Rondelet		Metallic Coatings
Chair(s)		M. Olivier / M. Poelman
16:10	O-55892	Corrosion behavior of heat treated electroless Ni-P/Ni-B duplex coatings Luiza Bonin (University of Mons) / Elodie Francq (<i>idem</i>) / Véronique Vitry (<i>idem</i>)
16:30	O-57137	On the microstructure and corrosion properties of Ni matrix composite electrodeposits containing either micro- or nano- aluminium particles Maria Lekka (University of Udine) / Ruben Offoiach (<i>idem</i>) / Carla de Leitenburg (<i>idem</i>) / Lorenzo Fedrizzi (<i>idem</i>)
16:50	O-66597	Effect of gelatin on the electrocrystallization and corrosion behavior of Ni-Co alloy coated from sulfate media Imen Kharmachi (ENIT) / Leila Dhoubi (ENIT) / Patrice Berçot (UTINAM) / El-Mustafa Rezrazi (UTINAM)
17:10	O-63302	Corrosion behaviour in acidic solution of Ni-W nanostructured alloys: influence of the metallurgical state Mathieu Lagarde (LaSIE) / Niussha Shakibi Nia (LaSIE) / Juan Creus (LaSIE) / Xavier Feaugas (LaSIE) / Alain Billard (LERMPS) / Catherine Savall (LaSIE)
17:30	O-62082	Electrochemical studies and numerical modelling of laser alloyed Al-Sn coating on UNS G10150 steel in saline environment Olawale Fatoba (Tshwane University of Technology) / Abimbola Popoola (<i>idem</i>) / Sisa Pityana (<i>idem</i>)
18:30	Exhibition Opening and Reception	

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Barthez		Advanced Analytical Methods for Corrosion Research
Chair(s)		J.M.C. Arjan Mol
13:40	O-66762	Investigation of the role of iron content on crevice corrosion behaviour of Grade-2 titanium using atom probe tomography James J. Noel (The University of Western Ontario) / Nafiseh Ebrahimi (The University of Western Ontario) / Xihua He (Southwest Research Institute) / Dmitrij Zagiduyn (The University of Western Ontario) / Mukesh Bachhav (The University of Michigan) / Emmanuelle Marquis (The University of Michigan) / David W. Shoesmith (The University of Western Ontario)
14:00	O-59672	Principal component analysis used for structural and elementary data coming from iron corrosion products layer Robin Le Penglau (LAPA-IRAMAT, NIMBE, CEA, CNRS, Université Paris-Saclay, UMR 3685, CEA Saclay) / Mickael Bouhier (<i>idem</i>) / Delphine Neff (<i>idem</i>)
14:20	O-64532	New ToF-SIMS methodology to identify the chemical or bacterial origin of iron sulfides Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Antoine Seyeux (<i>idem</i>)
14:40	O-53592	Intergranular corrosion propagation rate of 2024 alloy investigated via the "1D Artificial Pit Technique" Roland Oltra (Université de Bourgogne) / Rémy Bonzom (Laboratoire ICB, UMR 6303 CNRS – Université de Bourgogne Franche Comté, France)
15:00	O-52457	The application of scanning tunnelling microscopy to study in situ passivation at metal grain boundaries Vincent Maurice (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Mohamed Bettayeb (<i>idem</i>) / Lorena Klein (<i>idem</i>) / Linsey Lapeire (Ghent University) / Kim Verbeken (Ghent University) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
15:20	O-52827	Local probing study of corrosion behaviour of a martensitic stainless steel Krishnan Hariramabadran Anantha (Royal Institute of Technology (KTH)) / Sebastian Ejnermark (Uddeholms AB) / Anna Medvedeva (Uddeholms AB) / Johnny Sjostrom (Uddeholms AB) / Jinshan Pan (Royal Institute of Technology (KTH))
15:40		Coffee Break
Barthez		Advanced Analytical Methods for Corrosion Research
Chair(s)		V. Maurice
16:10	O-55872	Corrosion behavior of AA8xxx alloys for application in the HVAC&R filed Francesco Andreatta (University of Udine) / Alex Lanzutti (<i>idem</i>) / Lorenzo Fedrizzi (<i>idem</i>)
16:30	O-67712	Non-destructive visualisation of delamination in or under thick organic coatings using active IR thermography Günter Schmitt (IFINKOR Institut für Instandhaltung und Korrosionsschutztechnik gGmbH) / Christian Lenzmann (<i>idem</i>) / Renate Lobnig (Hochschule Esslingen University of Applied Science)
16:50	O-65937	Photoelectrochemical monitoring of rouging and de-rouging process on AISI 316L for chemical reactors Francesco Di Franco (University of Palermo) / Francesco Di Quarto (<i>idem</i>)
18:30		Exhibition Opening and Reception

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Joffre C+D		Environment Sensitive Fracture
Chair(s)		K. Wolski
13:40	O-54392	Assessment of microstructure susceptibility to Environmentally-Assisted Cracking (EAC) of a TIG welded grade 2205 duplex stainless steel Pierfranco Reccagni (University of Manchester) / Cem Örnek (University of Manchester) / Qing Lu (The Welding Institute (TWI)) / Mike Gittos (The Welding Institute (TWI)) / Dirk Lars Engelberg (University of Manchester)
14:00	P-67152	Experimental work on passivation mechanisms and cracking planes of 304L stainless steel stress corrosion cracking in acidic medium using Atomic Emission Spectro-Electrochemistry, SEM, EBSD, and XRD techniques Hazem Mubarak (Arts et Métiers ParisTech) / Laurent Barrallier (Arts et Métiers ParisTech) / Sébastien Jegou (Arts et Métiers ParisTech) / Polina Volovitch (Chimie ParisTech) / Kevin Ogle (Chimie ParisTech)
14:20	O-56427	Effect of microstructure and local mechanical fields on intergranular stress corrosion cracking of a friction stir welded Aluminum-Copper-Lithium 2050 nugget Isabelle Aubert (Université de Bordeaux/I2M) / Matthieu Dhondt (ENSTA/Laboratoire Bretois de Mécanique et des Systèmes - EA 4325) / Nicolas Saintier (ENSAM/I2M) / Jean-Marc Olive (CNRS, I2M)
14:40	O-56907	Corrosion and stress corrosion sensitivity of similar and dissimilar aluminium alloys friction stir weldments Marie Touzet Cortina (Bordeaux INP, CNRS-UMR 5295) / Emile Bousquet (1 Univ.Bordeaux, I2M, CNRS- UMR 5295) / Angeline Poulon-Quintin (Univ.Bordeaux, ICMCB, CNRS-UPR 9048) / Monique Puiggali (Univ.Bordeaux, I2M, CNRS- UMR 5295) / Olivier Devos (Univ.Bordeaux, I2M, CNRS- UMR 5295)
15:00	O-59777	Contribution of hydrogen in stress corrosion cracking of a 7xxx aluminium alloy in chloride solution Loïc Oger (CIRIMAT) / Lionel Peguet (Constellium Technology Center) / Eric Andrieu (CIRIMAT) / Grégory Odemer (CIRIMAT) / Christine Blanc (CIRIMAT)
15:20	O-56937	Modelling of hydrogen desorption to internal cavities during heat-treatment of a low alloy steel Jean-Gabriel SEZGIN (Mines Saint-Etienne, SMS-EMSE, CNRS UMR 5307) / Cedric BOSCH (Mines Saint-Etienne, SMS-EMSE, CNRS UMR 5307) / Aurore MONTOUCHET (AREVA Creusot Forge) / Gilles PERRIN (AREVA DRDI) / Krzysztof WOLSKI (Mines Saint-Etienne, SMS-EMSE, CNRS UMR 5307.)
15:40		Coffee Break
Joffre C+D		Environment Sensitive Fracture
Chair(s)		K. Wolski
16:10	O-63657	Hydrogen embrittlement of twinning induced plasticity steels Do Kyeong Han (Graduate Institute of Ferrous Technology (GIFT), Pohang University of Science and Technology (POSTECH)) / Dong-Woo Suh (Graduate Institute of Ferrous Technology (GIFT), Pohang University of Science and Technology (POSTECH))
16:30	O-66667	Effect of nickel in solid solution on hydrogen transport kinetics in low alloy steels Hans Husby (Norwegian University of Science and Technology) / Roy Johnsen (Norwegian University of Science and Technology) / Mariano Iannuzzi (GE Oil & Gas) / Afroz Barnoush (Norwegian University of Science and Technology)

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16:50	O-70045	Hydrogen permeation in dual phase (DP) and quenched and partitioned (Q&P) advanced high strength steels (AHSS) under cathodic charging and simulated service conditions Qinglong Liu (The University of Queensland, Division of Materials, School of Mining and Mechanical Engineering) / Jeffrey Venezuela (The University of Queensland, Division of Materials, School of Mining and Mechanical Engineering) / Mingxing Zhang (The University of Queensland, Division of Materials, School of Mining and Mechanical Engineering) / Qingjun Zhou (Baoshan Iron & Steel Co., Ltd, Research Institute) / Andrej Atrons (The University of Queensland, Division of Materials, School of Mining and Mechanical Engineering)
17:10	O-54572	Suceptibility to hydrogen embrittlement for C72900 exposed to H₂S environment and under cathodic polarisation in simulated seawater Roy Johnsen (NTNU) / Torstein Lange (SINTEF) / Jim Stian Olsen (Aker Solutions)
17:30	O-57067	Atmospheric Stress Corrosion Crack Growth Rate Analyses of Austenitic Stainless Steel Todd Mintz (Southwest Research Institute) / James Dante (Southwest Research Institute) / James Feiger (Southwest Research Institute) / Erica Macha (Southwest Research Institute)
18:30	Exhibition Opening and Reception	

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Sully 1		Cathodic Protection
Chair(s)		<i>J. Crouzillac / M. Roche</i>
13:40	O-53382	Electrical dc influences on cathodically protected pipelines Sylvain Fontaine (GRTgaz) / Elisabeth Fleury (ENGIE)
14:00	O-62132	Corrosion risk management due to stray currents from traction systems (D.C. power systems) : feedback and prospects for GRTgaz Guy Dos Santos (GRTgaz) / Jean-Marc Vernet (A2S2)
14:20	O-56327	Intelligent d.c. disconnection device Voltage Controlled Short-Circuiting Device Reiner Kerschbaum (DEHN+SOEHNE)
14:40	O-55962	DC stray current influence on AC corrosion Lars Vendelbo Nielsen (MetriCorr)
15:00	O-50922	AC corrosion on cathodically protected pipelines: A discussion of the involved processes and their consequences on mitigation measures Markus Büchler (Schweizerische Gesellschaft für Korrosionsschutz - SGK)
15:20	O-70105	The effects of alternating current on the cathodically protected X80 steel in varied pH condition Huiru Wang (Corrosion and Protection Center, University of Science and Technology Beijing) / Cuiwei Du (Corrosion and Protection Center, University of Science and Technology Beijing) / Zhiyong Liu (Corrosion and Protection Center, University of Science and Technology Beijing) / Xiaogang Li (Corrosion and Protection Center, University of Science and Technology Beijing) / Dawei Zhang (Corrosion and Protection Center, University of Science and Technology Beijing)
15:40		Coffee Break
Sully 1		Cathodic Protection
Chair(s)		<i>J. Crouzillac / M. Roche</i>
16:10	O-67552	Corrosion prevention of aluminum screens of underground HV/MV power cable Ehsan Fallahmohammadi (Prysmian Group) / Davide Martelli (Prysmian Group)
16:30	O-51552	Efficiency of cathodic protection applied to buried LPG tanks Marcel Roche (CEFRACOR) / André Duclos (AD Consult) / Henri François (Comité Français du Butane et du Propane)
16:50	O-67797	Soil side corrosion of above ground storage tanks, characterization and mitigation – field experiences Mehdi Askari (Pars Oil and Gas Company (POGC)) / Sahar Afroukhteh (Pars Oil and Gas Company (POGC))
17:10	O-65322	Cathodic protection of surface to underground casings in LPG underground storage Landoald Richard (GEOSTOCK) / Cyriane Fournier (GEOSTOCK)
17:30	O-69800	Cathodic protection of a gas re-injection pipeline network using solar panels. M. Salim Debbache (Technip)
18:30		Exhibition Opening and Reception

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Barcelona		Accelerated Corrosion Testing, Science - Lab & Field
Chair(s)		<i>E. Szala / M. Zheludkevich</i>
13:40	O-61012	Correlation between accelerated and natural corrosion testing with application of digital image analysis Valery Startsev (All-Russian Scientific-Research Institute of Aviation Materials) / Ivan Medvedev (<i>idem</i>) / Andrey Frolov (<i>idem</i>) / Oleg Startsev (<i>idem</i>) / Dmitrii Ruzaev (JSC AvtoVAZ)
14:00	O-56967	Corrosion behavior of metallic coated and stainless steels in natural soils and laboratory conditions Nicolas Larché (French Corrosion Institute) / Dominique Thierry (<i>idem</i>) / Marc Leveaux (ARCELORMITTAL - OCAS) / Juan José Carpio (INDUSTEEL - ARCELORMITTAL) / Philippe Déserville (VEOLIA)
14:20	O-54247	Drying phases of cyclic corrosion tests: Do we know what happens? Tomas Prosek (University of Chemistry and Technology, Technopark Kralupy) / Václav Šefl (<i>idem</i>)
14:40	O-52892	The use of corrosion coupons to control atmospheric corrosion salt spray tests Sean Fowler (Q-Lab Corporation, Westlake, Ohio) / Andy Francis (<i>idem</i>) / Bob Little (<i>idem</i>) / Jeffrey Quill (<i>idem</i>) / Bob Shepherd (<i>idem</i>) / Bill Tobin (<i>idem</i>)
15:00	O-66297	Impact of cyclic humidity testing on titanium oxide layers Beatriz Rico Oller (Airbus Group Innovations) / Tobias Mertens (<i>idem</i>) / Max Kolb (<i>idem</i>) / Jürgen Wehr (<i>idem</i>) / Theo Hack (<i>idem</i>) / Mikhail Zheludkevich (Helmholtz-Zentrum Geesthacht)
15:20	O-51212	Atmospheric corrosion of zinc coatings – a time and laterally resolved study Georg Hölzl (CEST Kompetenzzentrum) / Gerald Luckeneder (voestalpine Stahl GmbH) / Hubert Duchaczek (<i>idem</i>) / Heinz Gsaller (<i>idem</i>) / Karl-Heinz Stellnberger (<i>idem</i>) / Achim Walter Hassel (Johannes Kepler University Linz) / Christoph Kleber (CEST Kompetenzzentrum)
15:40		Coffee Break
Barcelona		Accelerated Corrosion Testing, Science - Lab & Field
Chair(s)		<i>T. Hack / E. Szala</i>
16:10	O-66832	Characterization of galvanic couples under atmospheric electrolytes using electrochemical polarization and coupled array techniques James Dante (Southwest Research Institute) / Erica Macha (<i>idem</i>)
16:30	O-66262	Methodology for assessing durability of anticorrosion coatings in storage from laboratory tests Alexandre Francois-Heude (Vallourec Research Center France) / Mayeul De la Tour Du Pin (<i>idem</i>) / Jordan Prévot (<i>idem</i>) / Nicolas Dulcy (<i>idem</i>) / Arnaud Gateaud (<i>idem</i>) / Dorian Allué (<i>idem</i>)
16:50	O-66197	Corrosion protection by coatings – how to figure out the best systems for practise? Günter Binder (Bundesanstalt für Wasserbau (BAW))
17:10	O-61122	Qualification of coating systems in case of severe erosion in penstock Philippe Le Calve (ANTICORR CONSEIL) / Gambiez Bruno (EDF) / Mourrat xavier (<i>idem</i>) / Aumelas vivien (Ylec Consultants) / Maj Guillaume (<i>idem</i>)
17:30		Wrap-up of Joint Session, discussion and outlook Elisabeth Szala, Mikhail Zheludkevich, Theo Hack
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Joffre 5		Corrosion of Steel in Concrete Session dedicated to Jürgen Mietz's 60 th Birthday
Chair(s) <i>M. Raupach / D. M. Batisdas</i>		
13:40	K-63387	Keynote Lecture Integrated corrosion monitoring systems for steel in concrete - concepts and actual developments Michael Raupach (RWTH Aachen University) / Oskar Klinghoffer (FORCE Institute Concrete Inspection and Analysis Department) / Christian Helm (RWTH Aachen University)
14:20	O-60992	Corrosion rate of steel in carbonated concrete made with modern binders Bernhard Elsener (ETH Hönggerberg) / Ueli Angst (ETH Zurich) / Matteo Stefanoni (ETH Zurich)
14:40	O-62302	The use of coated steel in concrete Andraž Legat (Slovenian National Building and Civil Engineering Institute) / Tadeja Kosec (Slovenian National Building and Civil Engineering Institute) / Nina Gartner (Slovenian National Building and Civil Engineering Institute) / Mihael Bučko (Faculty of Technology and Metallurgy, University of Belgrade) / Jelena Bajat (Faculty of Technology and Metallurgy, University of Belgrade)
15:00	O-63962	Corrosion of galvanized reinforcement in carbonated concrete Gino Ebell (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Andreas Burkert (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Jürgen Mietz (Bundesanstalt für Materialforschung und -prüfung (BAM))
15:20	O-68675	Carbonation induced corrosion of steel in mortar based on low pH binders Marijana Serdar (University of Zagreb, Faculty of Civil Engineering, Croatia; CEA, DEN, DPC, SECR, Laboratoire d'Etude du Comportement des Bétons et des Argiles, France) / Valerie L'Hostis (CEA, DEN, DPC, SECR, Laboratoire d'Etude du Comportement des Bétons et des Argiles) / Stephane Poyet (CEA, DEN, DPC, SECR, Laboratoire d'Etude du Comportement des Bétons et des Argiles))
15:40	Coffee Break	
Joffre 5		Corrosion of Steel in Concrete
Chair(s) <i>M. Raupach / D. M. Batisdas</i>		
16:10	O-56207	Effect of pH on the passivity of steel in simulated alkali-activated concrete pore solutions Shishir Mundra (University of Sheffield) / Maria Criado (University of Sheffield) / Susan A. Bernal (University of Sheffield) / John L. Provis (University of Sheffield)
16:30	O-52682	The influence of slag composition on corrosion of steel reinforcement in alkali activated materials Maria Criado (The University of Sheffield) / Susan Bernal (The University of Sheffield) / John Provis (The University of Sheffield)
16:50	O-60817	The effect of mixed cement types on steel in mortar at different environments Egon Milost (Slovenian national building and civil engineering institute) / Tadeja Kosec (Slovenian national building and civil engineering institute) / Aljoša Šajna (Slovenian national building and civil engineering institute) / Andraž Legat (Slovenian national building and civil engineering institute) / Violeta Bokan-Bosiljkov (University of Ljubljana, Faculty of Civil and Geodetic Engineering)
17:10	O-53567	Impact of the initial chloride content on the corrosion rate evolution of reinforced Belite-Yeelimite-Ferrite (BYF) cement mortars Guilherme KOGA (LafargeHolcim Research Center) / Paul COMPERAT (LafargeHolcim Research Center) / Blandine ALBERT (LafargeHolcim Research Center) / Ricardo NOGUEIRA (LEPMI-INP Grenoble)
17:30	O-50862	Electrochemical study on the behaviour of prestressing steel in alkaline solutions: Influence of cement type Ioan Pepenar (ICECON Group Research Centre CERTINCON)
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Joffre 4 Corrosion Reliability of Electronics Devices and Materials		
Chair(s) <i>H. Schweigart / M.S. Jellesen</i>		
13:40	O-69875	An overview on the corrosion reliability of electronics Rajan Ambat (Center for Electronic Corrosion, Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark)
14:00	K-69885	Keynote Lecture Reliability of electrics and electronics in an automotive context; Examples addressing encapsulations and humidity dynamics Mats Ström (Volvo Car Group)
14:30	K-69930	Keynote Lecture Material and Process Influences on conductive anodic filament formation David Humby (Isola Group)
15:00	O-64497	Thermal effects in electronic systems: new results on electrochemical corrosion and their correlations Katharina Schultz (Robert Bosch GmbH) / Felix Petri (Robert Bosch GmbH)
15:20	O-69895	Interpretation of corrosion observed after IPC humidity test on PCB's with various flux types and electrical loads. Annemette Riis (Grundfos Holding A/S) / Allan Hjarbaek Holm (Grundfos Holding A/S) / John B. Jacobsen (Grundfos Holding A/S) / Jens Peter Krog (Grundfos Holding A/S) / Jakob Harming (Grundfos Holding A/S) / Lars Rimestad (Grundfos Holding A/S)
15:40 Coffee Break		
Joffre 4 Corrosion Reliability of Electronics Devices and Materials		
Chair(s) <i>R. Ambat / M.S. Jellesen</i>		
16:10	O-50932	Procedure comparison for estimating the PCBA service life at moist climate exposure Helmut Schweigart (Dr. O.K. Wack Chemie GmbH)
16:30	O-52937	Investigation of the influence of electrochemical migration (ECM) on the reliability of electronic assemblies after rework using lead-free solders and No-clean flux mixtures Helge Schimanski (Fraunhofer-Institut für Siliziumtechnologie ISIT) / Olga Yezerska (Fraunhofer Institut fuer Fertigungstechnik und Angewandte Materialforschung- IFAM) / Peter Plagemann (Fraunhofer Institut fuer Fertigungstechnik und Angewandte Materialforschung- IFAM) / Jürgen Hagge (Fraunhofer-Institut für Siliziumtechnologie - ISIT)
16:50	O-62522	Characterization of humidity effects on electronics by means of impedance spectroscopy Vadimas Verdingovas (Technical University of Denmark (DTU)) / Morten Stendahl Jellesen (Technical University of Denmark) / Rajan Ambat (Technical University of Denmark)
17:10	O-59767	Electrochemical migration of Ni and ENIG surfaces finishes during thermal humidity bias test Bálint Medgyes (Budapest University of Technology and Economics (BME))
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Sully 3		Corrosion of Archaeological and Historical Artefacts
Chair(s)		<i>D. Neff / J. Stoullil</i>
13:40	O-55272	Impact of washed naturally formed and synthetic βFeOOH on corrosion rate of iron as a function of relative humidity Nicola Emmerson (Cardiff University) / David Watkinson (Cardiff University)
14:00	O-55342	Corrosion rates of marine archaeological cast iron as a function of relative humidity and treatment David Watkinson (Cardiff University) / Nicola Emmerson (Department Archaeology and Conservation Cardiff University) / Jerrod Seifert (Department of Archaeology and Conservation Cardiff University)
14:20	O-68975	Dechlorination of ferrous archaeological artefacts in subcritical conditions: understanding of the corrosion layer transformation thanks to a multi-scale characterisation Marine Bayle (A-CORROS Expertises) / Philippe de Viviés (A-CORROS Expertises) / Jean-Bernard Memet (A-CORROS Expertises) / Philippe Dillmann (LAPA – IRAMAT, NIMBE, CEA/CNRS, Université Paris Saclay, UMR3685) / Delphine Neff (LAPA – IRAMAT, NIMBE, CEA/CNRS, Université Paris Saclay, UMR3685)
14:40	O-67927	Atmospheric corrosion effects on silver artefacts in a Museum Basement Sabrina Grassini (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia) / Emma Angelini (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia) / Olga Papadopoulou (3National Technical University of Athens, School of Chem. Eng.) / Panayota Vassiliou (National Technical University of Athens, School of Chem. Eng.) / Marco Parvis (Politecnico di Torino, Dipartimento di Elettronica e Telecomunicazioni) / Eman Zidan (National Research Centre) / Venice Gouda (National Research Centre)
15:00	O-55582	Electrochemical evaluation of natural and organic inhibitors in the tarnish of silver for their conservation and restauration Janette Ortiz (UNAM/Facultad de Química/Departamento de Ingeniería Metalúrgica) / Araceli Espinoza (UNAM/Facultad de Química/Departamento de Ingeniería Metalúrgica) / Rachel Mata (UNAM/Facultad de Química/Departamento de Farmacia) / Francisco Rodríguez (UNAM/Facultad de Química/Departamento de Ingeniería Metalúrgica)
15:20	O-60937	Potential application of analytical methods to detect and characterize coatings on metal cultural heritage objects T. Davidowitz (University of Amsterdam/Rijksmuseum) / J.M.C. Mol (Delft University of Technology) / H. Terry (Vrije Universiteit Brussel) / E.K. van Bork (University of Amsterdam/Rijksmuseum) / S. Creange (Rijksmuseum) / J. van Bennekom (Rijksmuseum)
15:40		Coffee Break
Sully 3		Corrosion of Archaeological and Historical Artefacts
Chair(s)		<i>D. Watkinson / C. Chiavari</i>
16:10	O-55147	Protection of bronze against atmospheric corrosion in urban air Gozde Tansug (Cukurova University) / Gokmen Sigircik (Cukurova University) / Tunc Tuken (Cukurova University)
16:30	O-58757	An Investigation into Inralac: acrylic coatings for bronze outdoor sculpture at the Getty Museum Rosie Grayburn (Getty Conservation Institute) / Julie Wolfe (J. Paul Getty Museum) / Herant Khanjian (Getty Conservation Institute)

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16:50	O-67812	Nano-Al₂O₃ doped coatings for corrosion protection of Cu-based artefacts Olga Papadopoulou (National Technical University of Athens, School of Chem. Eng) / Michail Delagrammatikas (National Technical University of Athens, School of Chem. Eng) / Panayota Vassiliou (National Technical University of Athens, School of Chem. Eng) / Emma Angelini (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia) / Sabrina Grassini (Polytecnico di Torino) / Marco Parvis (Politecnico di Torino, Dipartimento di Elettronica e Telecomunicazioni) / Venice Gouda (National Research Centre)
17:10	O-56597	Development of protective coatings for bronze objects Mohor Mihelcic (National Institute of Chemistry) / Lidija Slemenik Perše (National Institute of Chemistry) / Ervin Šest (National Institute of Chemistry) / Ivan Jerman (National Institute of Chemistry) / Klemen Pirnat (National Institute of Chemistry) / Angelja K. Surca (National Institute of Chemistry)
17:30	O-59157	Atmospheric alteration of bronze bells Aline Petitmangin (LISA / UPEC (Laboratoire Interuniversitaire des Systèmes Atmosphériques)) / Ivan Guillot (ICMPE / UPEC (Institut de Chimie des Matériaux Paris-Est)) / Anne Chabas (LISA / UPEC (Laboratoire Interuniversitaire des Systèmes Atmosphériques))
18:30	Exhibition Opening and Reception	

Oral Programme as of 18/07/2016

Monday 12 September 2016

Joffre A+B		CO₂-Corrosion in Industrial Capture, Transportation and Utilization Applications
Chair(s)		<i>R. Bäßler</i>
16:10	O-62707	Formation of corrosive aqueous phases in dense phase CO₂ Arne Dugstad (Institute f. Energy Technology) / Bjørn Morland (IFE)
16:30	O-62742	Corrosion rate of carbon steel in pure water with increasing CO₂ pressure Bjorn H. Morland (Institute for Energy Technology) / Arne Dugstad (Institute for Energy Technology) / Gaute Svenningsen (Institute for Energy Technology)
16:50	O-57777	Performance of damaged and intact thermally sprayed Corrosion Resistant Alloy (CRA) coatings on carbon steel in supercritical CO₂ environments at different temperatures Shiladitya Paul (Twi Ltd)
17:10	O-69810	On the corrosion mechanism of CO₂ transport pipeline steels caused by impurities: Roles of each impure components and benchmarks Quynh-Hoa Le (BAM - Federal Institute for Materials Research and Testing) / Ralph Bäßler (BAM - Federal Institute for Materials Research and Testing) / Oleksandra Yevtushenko (BAM - Federal Institute for Materials Research and Testing) / Dirk Bettge (BAM - Federal Institute for Materials Research and Testing)
18:30	Exhibition Opening and Reception	

Monday 12 September 2016

Oral Programme as of 18/07/2016

Louisville		Corrosion of Polymer Materials
Chair(s)		J. Heinemann
13:40	O-69195	Environmental stress cracking of PE-HD induced by liquid media - validation and verification of the full-notch-creep test (FNCT) Markus Schilling (Bundesanstalt für Materialforschung und –prüfung (BAM)) / Ute Niebergall (<i>idem</i>) / Martin Böhning (<i>idem</i>)
14:00	O-67192	Thermo-mechanical and long term creep behaviour of polymeric foams in mineral oil Peter Guttman (Montanuniversität Leoben) / Gerald Pilz (<i>idem</i>) / Denise Oelzant (<i>idem</i>)
14:20	O-50982	The influence of the age of biodiesel and B10 on the resistance of sealing materials at different temperatures Margit Weltschev (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Frank Heming (<i>idem</i>) / Manuela Haufe (<i>idem</i>) / Martina Heyer (<i>idem</i>)
14:40	O-67647	Influence of profile structure of large spiral pipes on thermal insulation properties and internal pressure resistance Dr.-Ing. Jürgen Heinemann (Technische Universität Darmstadt, Zentrum für Konstruktionswerkstoffe (MPA/IfW), Darmstadt, Germany) / Dipl.-Ing. Hansgeorg Haupt (<i>idem</i>) / Dr.-Ing. habil. Daniela Nickel (<i>idem</i>) / Prof. Dr.-Ing. Matthias Oechsner (<i>idem</i>) / Dipl. Des. Tina Blau (FRANK GmbH, Mörfelden-Walldorf, Germany) / M. Eng. Sebastian Jekel (<i>idem</i>) / Dipl.-Ing. (FH) Jürgen Kern (<i>idem</i>)
15:00	O-59947	Hyperbranched polyesteramide based on conducting blend as smart corrosion resistance in acidic solution Shymaa Elsaed (Egyptian Petroleum Research Institute) / M.A Migahed (<i>idem</i>) / A.M Alsabagh (<i>idem</i>) / E.G Zaki (<i>idem</i>)
15:20	O-63817	Concepts for service lifetime prediction of composite materials at different environmental conditions Stefan Gloggnitzer (Montanuniversitaet Leoben) / Gerald Pilz (<i>idem</i>)
15:40		Coffee Break
Louisville		Corrosion of Polymer Materials
Chair(s)		J. Heinemann
16:10	O-68965	Global FRP standard - A comparison between four different international design codes for FRP vessels Ureña Adriano (Olearris, S.A.)
16:30	O-69490	FRP and dual laminate equipment for hydrochloric acid service Avelino Hernández (Olearris, S.A.) / A. Adriano Ureña (<i>idem</i>)
16:50	O-69505	Fluorinated polymers in handling of aggressive media Brigitte Neubauer (Solvay Specialty Polymers)
17:10	O-61332	Novel styrene-free or low styrenated thermoset resin with exceptional corrosion resistance towards solvents Stefanie Rømhild (Reichhold AS) / Livio Bollani (<i>idem</i>)
18:30		Exhibition Opening and Reception

Oral Programme as of 18/07/2016

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Sully 2		Surface Preparation Issues Related to Corrosion Protection Performance
Chair(s)		A. Momber
13:40	O-52787	On the corrosion performance of surface treated type 316L stainless steel in $MgCl_2$ and HCl containing environments Benjamin Krawczyk (The University of Manchester) / Dirk Engelberg (The University of Manchester)
14:00	O-65057	The behaviour of superhydrophobic coatings based on nanosecond laser texturing in different corrosion active media Ludmila Boinovich (A.N.Frumkin Institute of Electrochemistry and Physical Chemistry) / Alexandre Emelyanenko (A.N.Frumkin Institute of Electrochemistry and Physical Chemistry) / Alexander Modestov (A.N.Frumkin Institute of Electrochemistry and Physical Chemistry) / Alexander Domantovsky (A.N.Frumkin Institute of Electrochemistry and Physical Chemistry) / Kirill Emelyanenko (A.N.Frumkin Institute of Electrochemistry and Physical Chemistry)
14:20	O-63132	Removal of corrosive layer via wire bristle impact/blast process Robert J. Stango (Marquette University)
14:40	O-60312	Investigation of blister formation on painted aluminium profiles Giorgio Giovanni Battista Zaffaroni (Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Rameez Ud Din (Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Rajan Ambat (Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark)
15:00	O-60012	Artificial disbondment simulation for steel/coating interface in laboratory conditions Tristan de Servins (Texas A&M) / Homero Castaneda-Lopez (Texas A&M)
15:20	O-54332	Advances in paint stripping technology: RPR Induction; a novel method for safe, fast and environmental friendly stripping of coated steel surfaces Tom Arne Baann (RPR Technologies AS)
15:40		Coffee Break
Sully 2		Surface Preparation Issues Related to Corrosion Protection Performance
Chair(s)		A. Momber
16:10	O-58497	Coating advancements fueling the adoption of UHP water jetting as surface preparation method over aged and new steel Joao Azevedo (Sherwin-Williams)
16:30	O-61042	Behaviour of zinc rich primer after UHP (Ultra High Pressure) waterjetting for C5M environment. Philippe Le Calve (ANTICORR CONSEIL) / Christian Favenne (DCNS) / Nicolas Bocca (DCNS)
16:50	O-51477	Accelerated ageing tests on repair coatings for offshore wind power structures Andreas Momber (Muehlhan AG) / Peter Plagemann (Fraunhofer IFAM) / Sascha Buchbach (Fraunhofer IFAM) / Irmgard Winkels (Sika Deutschland GmbH) / Tom Marquardt (Muehlhan AG)
18:30		Exhibition Opening and Reception

Tuesday 13 September 2016

Oral Programme as of 18/07/2016

Rondelet		Metallic Coatings
Chair(s)		M. Lekka / R. Feser
8:40	O-64047	Influence of alloy composition on performance of zinc-nickel coatings Holger Sahrhage (COVENTYA GmbH)
9:00	O-61577	Hydrogen embrittlement induced by alkaline electrochemical plating of Zinc-Nickel coatings on high strength steel specimens Sören Trollst (Institute for Materials Technology (IfW) of the TU Darmstadt) / Matthias Oechsner (<i>idem</i>) / Holger Hoche (<i>idem</i>)
9:20	O-57692	Improving corrosion resistance of hot dip galvanized surfaces by alloying elements Ralf Feser (IFINKOR Institut für Instandhaltung und Korrosionsschutztechnik gGmbH) / Lara Jaros (<i>idem</i>)
9:40	O-56747	Strain hardening effect on corrosion resistance of continuous hot-dip galvanized steel. Marie Touzet Cortina (Université Bordeaux) / Mohamed Biskri (Univ.Bordeaux, I2M, CNRS- UMR 5295) / Angeline Poulon-Quintin (Univ.Bordeaux, ICMCB, CNRS-UPR 9048) / Monique Puiggali (<i>idem</i>) / Olivier Devos (Univ.Bordeaux, I2M, CNRS- UMR 5295)
10:00	O-67037	Corrosion characteristic of nanocrystalline Ni-W electrolytic coating Zuliyet Adiguzel (Anadolu University) / Mustafa Anık (Eskisehir Osmangazi University)
10:20		Coffee Break
Rondelet		Metallic Coatings & Pretreatments
Chair(s)		M. Lekka / R. Feser
10:50	O-68535	HVOF stainless steel coatings for corrosion protection of ZE41 magnesium alloy in different media Joaquín Rams (Rey Juan Carlos University) / Sonia García-Rodríguez (<i>idem</i>) / Antonio J. López (<i>idem</i>) / Belén Torres (<i>idem</i>) / Enrique Otero (<i>idem</i>)
11:10	O-64162	Trivalent chromium conversion coating on 2618 aluminium alloy: effects of a hydrogen peroxide post-treatment Remi Viroulaud (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Jolanta Swiatowska (<i>idem</i>) / Antoine Seyeux (<i>idem</i>) / Sandrine Zanna (<i>idem</i>) / Joffrey Tardelli (IRT-M2P) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
11:30	O-55022	Zr-based conversion film formation on single and multi-metal substrates and their interactions with functionalized molecules Laura-Lynn Fockaert (Fundamenteel onderzoek der Materie (FOM) - Materials innovation institute (M2i)) / Berend Boelen (Tata Steel IJmuiden B.V.) / Herman Terryn (Vrije Universiteit Brussel) / J.M.C. Mol (Delft University of Technology)
11:50	O-58722	Influence of process settings in an organic coating line on the conversion coating Berend Boelen (Tata Steel Research) / Arno Harmsen (Tata Steel R&D) / Arnoud de Vooy (<i>idem</i>) / Koen Lammers (<i>idem</i>) / Hans Winter (<i>idem</i>) / Piet van Tongeren (Tata Steel SPME)
12:30		Lunch

Oral Programme as of 18/07/2016

Tuesday 13 September 2016

Rondelet		Pretreatments & Organic Coatings
Chair(s)		W. Furbeth / L. Fedrizzi
14:00	O-61662	The Influence of pH on the corrosion protection performance of a hybrid sol-gel derived coatings on carbon steel in aqueous medium Abubakar Mohammed (Sheffield Hallam University) / Nayef M. Alanazi (Saudi Aramco) / Heming Wang (Sheffield Hallam University)
14:20	O-65692	Nanostructured silane coatings for corrosion protection of carbon steel Poovarasi Balan (Monash University Malaysia) / Raman R.K. Singh (<i>idem</i>) / Eng Seng Chan (<i>idem</i>)
14:40	O-53832	Development of novel waterborne thin organic coatings as base coats for multilayer coatings on hot dip galvanized steel. Ville Saarimaa (Top Analytica Oy) / Jyrki Juhanaja (<i>idem</i>) / Antti Markkula (SSAB Europe Oy)
15:00	O-60587	Enhanced surface protective performance of electrochemically synthesized Polypyrrole-CeO₂ nanocomposite coatings on AA2024 alloy Arumugam Madhan Kumar (King Fahd University of Petroleum and Minerals (KFUPM))
15:40		Coffee Break
Rondelet		Organic Coatings
Chair(s)		W. Furbeth / L. Fedrizzi
16:10	O-53637	Effect of cold plasma process parameters for organosilicon deposition is carbon steel corrosion protection session performance Maryem Esbayou (Ecole Nationale Supérieure de Chimie de Lille, Faculté des Sciences, Université Chouaib Doukkali, EL Jadida) / Charafeddine Jama (Ecole Nationale Supérieure de Chimie de Lille) / Fouad Bentiss (Ecole nationale Supérieure de Chimie de Lille, Faculté des Sciences, Université Chouaib Doukkali, EL Jadida)
16:30	O-56757	Repair coatings for thermally sprayed aluminium Ole Knudsen (SINTEF Materials Technology) / Heidi Askestad (NTNU) / Vincent Gregoire (Statoil) / Rodgeir Aanesen (ConocoPhillips)
17:50		Poster Session and Reception

Tuesday 13 September 2016

Oral Programme as of 18/07/2016

Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		G. Frankel
8:40	O-67122	Heterogeneity of passive film formed on polycrystalline iron observed by in situ 2D-ellipsometry and micro-capillary cell technique Yu Takabatake (Hokkaido University) / Yuichi Kitagawa (<i>idem</i>) / Takayuki Nakanishi (<i>idem</i>) / Yasuchika Hasegawa (<i>idem</i>) / Koji Fushimi (<i>idem</i>)
9:00	O-57212	Computational study of MEA adsorption on hydroxylated Cr₂O₃ Surfaces Boubakar Diawara (Ecole Nationale Supérieure de Chimie de Paris) / Aurélie Gouron (IFP Energies Nouvelles) / François Ropital (<i>idem</i>) / Adri C. T. van Duin (RxFF Consulting, LLC) / Diana van Duin (<i>idem</i>) / Theodorus de Bruin (IFP Energies Nouvelles)
9:20	O-64237	Investigation on semi-conductive properties of passive film from multi-frequency Mott-Schottky and Power-law approaches Sabrina Marcelin (INSA-LYON) / Benoît Ter-Ovanesian (<i>idem</i>) / Bernard Normand (<i>idem</i>)
9:40	O-52702	Study of the passive film layer semi-conductive properties and their impact on the corrosion resistance of stainless steels Ismaël Guillotte (Aperam Stainless France) / Gregory Berthomé (SIMaP/CNRS) / Saghi Saedlou (Aperam Stainless France) / Jean-Pierre Petit (SIMaP/CNRS)
10:00	O-52397	Elemental selective dissolution of a silicon-rich austenitic stainless steel in acidic medium investigated through Atomic Emission Spectro Electrochemistry Barbara Laurent (Commissariat à l'Energie Atomique de Saclay - DEN/DANS/DPC/SCCME/LECNA) / Nathalie Gruet (<i>idem</i>) / Benoit Gwinner (<i>idem</i>) / Michel Tabarant (Commissariat à l'Energie Atomique de Saclay - DEN/DANS/DPC/SEARS/LISL) / Kevin Ogle (PSL Research University, CNRS - Chimie ParisTech, IRCP/I2E) / Frederic Miserque (Commissariat à l'Energie Atomique de Saclay - DEN/DANS/DPC/SCCME/LECA)
10:20		Coffee Break
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		P. Marcus
10:50	K-69235	Keynote Lecture Oxide films on metals and alloys: growth mechanism and application to corrosion protection Hiroki Habazaki (Hokkaido University)
11:20	K-68785	Keynote Lecture Probing corrosion mechanisms using Al-Ni-Y metallic glasses Vngaranahalli S. Raja (Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay) / Rinkel Jindal (<i>idem</i>) / Mark A. Gibson (CSIRO Manufacturing Flagship) / Christopher R. Hutchinson (Department of Materials Science and Engineering, Monash University)
11:50	O-54422	Development of an innovative methodology based on ToF-SIMS and XPS coupling for a local characterization of the oxide film formed on duplex stainless steel Elise Gardin (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Sandrine Zanna (<i>idem</i>) / Antoine Seyeux (<i>idem</i>) / Audrey Allion (Aperam Isbergues, Research Center - Corrosion & Surface Dept.) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
12:30		Lunch

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Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>J. Deconinck</i>
14:00	O-65652	Characterisation of the composition, kinetics and growth mechanisms of the oxide film formed on Alloy 600 Svetlana Voyshnis (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Antoine Seyeux (<i>idem</i>) / Sandrine Zanna (<i>idem</i>) / Philippe Marcus (<i>idem</i>)
14:20	O-55912	In situ spectroscopic observation of state of oxides during transpassive dissolution of copper Cigdem Toparli (Max-Planck-Institut für Eisenforschung GmbH) / Adnan Sarfraz (<i>idem</i>) / Andreas Erbe (Max-Planck-Institut für Eisenforschung GmbH; Norwegian University of Science and Technology, Department of Materials Science and Engineering)
14:40	O-62332	Direct corrosion quantification of passive material libraries by means of SDCM-ICP-MS Achim Walter Hassel (Johannes Kepler University Linz)
15:00	O-59622	First principle calculations of aluminum destruction caused by chloride ions – effect of interstitial chloride ions, charging and hydrogen Min Liu (National Center for Material Service Safety, University of Science & Technology, Beijing) / Chuanhui Zhang (<i>idem</i>) / Jinshan Pan (Div. Surface & Corrosion Science, Royal Institute of Technology, Stockholm) / Lei Wen (National Center for Material Service Safety, University of Science & Technology, Beijing) / Christofer Leygraf (Div. Surface & Corrosion Science, Royal Institute of Technology, Stockholm) / Ying Jin (National Center for Material Service Safety, University of Science & Technology, Beijing)
15:20	O-54737	Passivity and corrosion behaviour of Ti-10Mo-4Zr and Ti-6Al-4V alloys after long-term ageing in Ringer's solution at 37°C Halina Krawiec (AGH University of Science and Technology) / Vincent Vignal (ICB) / Olivier Heintz (ICB)
15:40		Coffee Break
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>H. Terryn</i>
16:10	O-51787	Heterogeneous degradation of passive film by UV-light irradiation Koji Fushimi (Hokkaido University) / Tomomi Kanazawa (<i>idem</i>) / Yuichi Kitagawa (<i>idem</i>) / Takayuki Nakanishi (<i>idem</i>) / Yasuchika Hasegawa (<i>idem</i>)
16:30	O-50902	Investigation of the phenomenon of critical fluoride concentration for the corrosion of pure titanium and its influencing factors in acidic solutions Zhengbin Wang (Institute of Metal Research, Chinese Academy of Sciences) / Hongxiang Hu (Institute of Metal Research, Chinese Academy of Sciences) / Yugui Zheng (Institute of Metal Research, Chinese Academy of Sciences)
16:50	O-53267	Synthesis, characterization and electrochemical impedance analysis of TiO₂ nanotubes for biomedical applications Fanny HILARIO (Univ. Grenoble Alpes & CNRS, LEPMI) / Alberto M. Jorge (Department of Materials Engineering, Federal University of São Carlos) / Pedro Córdoba-Torres (Departamento de Física Matemática y de Fluidos, Facultad de Ciencias, UNED) / Virginie Roche (Univ. Grenoble Alpes & CNRS, LEPMI) / Ricardo P. Nogueira (<i>idem</i>)
17:10	O-52092	Numeric simulation of micro-galvanic corrosion of Al alloys caused by intermetallic particles - effects of size, pH and Cl⁻ concentration Litao Yin (Div. Surface & Corrosion Science, Royal Institute of Technology, Stockholm) / Ying Jin (National Center for Material Service Safety, University of Science & Technology Beijing) / Christofer Leygraf (Div. Surface & Corrosion Science, Royal Institute of Technology, Stockholm) / Jinshan Pan (<i>idem</i>)

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17:30	O-67112	Localised corrosion behaviour of Ti-Mo alloy by cyclic polarization and electrochemical potentiokinetic reactivation method Ilven Mutlu (Istanbul University, Metallurgical and Materials Engineering)
17:50	Poster Session and Reception	

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Tuesday 13 September 2016

Joffre C+D		Environment Sensitive Fracture
Chair(s)		K. Wolski
8:40	O-57707	Influence of the microstructure of the Virgo™38, a 16Cr-4Ni low-carbon supermartensitic stainless steel, on its SCC resistance Clément GAYTON (École Nationale Supérieure des Mines de Saint-Étienne / General Electric Oil & Gas Thermodyn SAS) / Alexia ROZINOER (General Electric Oil & Gas Thermodyn SAS) / Pierre LABOUBE (General Electric Oil & Gas Thermodyn SAS) / Cédric BOSCH (École Nationale Supérieure des Mines de Saint-Étienne) / Krzysztof WOLSKI (École Nationale Supérieure des Mines de Saint-Étienne) / Jacques STOLARZ (École Nationale Supérieure des Mines de Saint-Étienne)
9:00	O-56152	Effect of tempered martensite micro structure on strength and SSC resistance of the HSLA steel with varying carbon content. yuji arai (Nippon Steel & Sumitomo Metal Corporation)
9:20	O-60262	The influence of retained austenite content on the stress corrosion resistance of nitrided martensitic stainless steels Marlies Borchert (Montanuniversitaet Leoben / Chair for General and Analytical Chemistry) / Gregor Mori (Montanuniversitaet Leoben / Chair for General und Analytical Chemistry)
9:40	O-61242	Influence of sensitization on the stress corrosion cracking behavior of 310S austenite stainless steels in HTHP H₂S/ CO₂ environments Jiong Qian (Beijing Key Laboratory of Failure, Corrosion and Protection of Oil/Gas Facility Materials, Department of Materials Science and Engineering, China University of Petroleum (Beijing)) / Changfeng Chen (Beijing Key Laboratory of Failure, Corrosion and Protection of Oil/Gas Facility Materials, Department of Materials Science and Engineering, China University of Petroleum (Beijing)) / Haobo Yu (Beijing Key Laboratory of Failure, Corrosion and Protection of Oil/Gas Facility Materials, Department of Materials Science and Engineering, China University of Petroleum (Beijing)) / Yanzhao Yu (Beijing Key Laboratory of Failure, Corrosion and Protection of Oil/Gas Facility Materials, Department of Materials Science and Engineering, China University of Petroleum (Beijing))
10:00	O-51267	Effect of pH on susceptibility to environment-assisted cracking of AZ61 Mg alloy Takumi Haruna (Kansai University) / Hiroshi Ohshima (Kansai University) / Youhei Hirohata (Kansai University)
10:20	Coffee Break	
Joffre C+D		Environment Sensitive Fracture
Chair(s)		K. Wolski
10:50	O-68570	Using predicted corrosion damage to determine stress concentration, fracture and crack growth Sharon Mellings (C.M BEASY Ltd) / Andres Peratta (C.M BEASY Ltd) / John Baynham (C.M BEASY Ltd) / Tim Froome (C.M BEASY Ltd)
11:10	O-60332	A successful approach to application of stress analysis in conjunction with stress corrosion cracking direct assessment Hatami Monfared Alireza (Iranian Gas Engineering and Development Company) / Sadegh Khidaveisi (Iranian Gas Engineering and Development Company) / Saeed Ahmadizadeh (National Iranian Gas Company (NIGC))
11:30	O-62882	Stress corrosion cracking of stainless steel in 300°C water: detection by EC noise and load transients Bojan Zajec (Slovenian National Building and Civil Engineering Institute [ZAG]) / Mirjam Bajt Leban (Slovenian National Building and Civil Engineering Institute [ZAG]) / Tadeja Kosec (Slovenian National Building and Civil Engineering Institute [ZAG]) / Andraz Legat (Slovenian National Building and Civil Engineering Institute [ZAG])

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11:50	O-61282	ToF-SIMS analyses to understand liquid metal embrittlement of the T91 steel in lead bismuth eutectic: effect of liquid metal composition, role of the liquid metal Ingrid Proriot Serre (Unité Matériaux Et Transformations, UMR CNRS-ENSCL-INRA-Université Lille 1) / Jean-Bernard Vogt (Unité Matériaux Et Transformations, UMR CNRS-ENSCL-INRA-Université Lille 1) / Nicolas Nuns (Institut Michel Chevreul - Université Lille 1)
12:30		Lunch
Joffre C+D		Environment Sensitive Fracture
Chair(s) <i>K. Wolski</i>		
14:00	O-67322	Influence of environmental conditions on localized corrosion of an austenitic stainless steel under cyclic loading Anna Visser (Montanuniversität Leoben) / Gregor Mori (Montanuniversität Leoben)
14:20	O-67752	Effect of corrosion on the fatigue strength of steels used in frequent start-up steam turbine Mohamed El May (Arts et Métier ParisTech, I2M, CNRS UMR 5295) / Nicolas Saintier (Arts et Métier ParisTech, I2M, CNRS UMR 5295) / Neji Ben Ali (Arts et Métier ParisTech, I2M, CNRS UMR 5295) / Olivier Devos (Université de Bordeaux, CNRS UMR 5295) / Alexia Rozinoer (General Electric Oil & Gas - Thermodyn SAS)
14:40	O-68490	Effect of applied stress on the initiation and propagation behavior of SCC for sensitized 304 stainless steel under MgCl₂ solution droplet Eiji Tada (Tokyo Institute of Technology) / Kazuki Nakao (Tokyo Institute of Technology) / Atsushi Nishikata (Tokyo Institute of Technology)
15:00	O-58157	Corrosion-fatigue of cold-drawn pearlitic steels in CO₂ and H₂S environments: consequences of cyclic plastic strain, corrosion and their synergy on the initiation of fatigue cracks Diego Leyser (Mines Saint-Etienne) / Cédric Bosch (Mines Saint-Etienne) / Virginie Querez (Institut de la Corrosion) / Claude Duret-Thual (Institut de la Corrosion) / Sandra Leang (Technip) / Nicolas Desamais (Technip) / David Delafosse (Mines Saint-Etienne)
15:20	O-65252	Susceptibility to stress corrosion cracking of α-β' brass in nitrate solutions Christine Blanc (ENSIACET-CIRIMAT) / Clément Berne (CIRIMAT) / Eric Andrieu (CIRIMAT) / Jean Reby (CETIM) / Jean-Michel Sobrino (CETIM)
15:40		Coffee Break
Joffre C+D		Environment Sensitive Fracture
Chair(s) <i>K. Wolski</i>		
16:10	O-65227	In situ electrochemical nanoindentation of Alloy 718 Gaute Stenerud (NTNU: Norwegian University of Science and Technology) / Afroz Barnoush (NTNU: Norwegian University of Science and Technology) / Roy Johnsen (NTNU: Norwegian University of Science and Technology) / Jim Stian Olsen (NTNU: Norwegian University of Science and Technology)
16:30	O-51842	Stress corrosion cracking of carbon steels in aqueous molten salts mixtures at low temperature Olga Conejero (ITMA Materials Technology) / Eduardo Lago (TSK Electrónica y Electricidad) / Rogelio Peón (TSK Electrónica y Electricidad)
17:50		Poster Session and Reception

Oral Programme as of 18/07/2016

Tuesday 13 September 2016

Sully 1		Cathodic Protection
Chair(s)		<i>J. Crouzillac / B. Wyatt</i>
8:40	O-50792	Study of cathodic protection in soils with the use of specific coupons Jean Vittonato (TOTAL S.A.) / François Castillon (TIGF) / Nicolas Larche (Institut de la Corrosion) / Etienne Leroy (Institut de la Corrosion)
9:00	O-65307	Instant OFF measurements on coupon: Practical advantages of a continuous remote monitoring and rectifier remote control based on Eoff , improving effects on cathodic protection efficiency evaluation and maintenance operations Ivano Magnifico (AUTOMA srl) / Cedric Dombard (Fluxys Belgium SA)
9:20	O-64937	A fuzzy expert system for buried pipeline corrosion assessment based on DCVG measurements Francois Castillon (TIGF) / Alicia Bel (CEATech Aquitaine) / Olivier Casula (CEATech Aquitaine) / Jean-Philippe Poli (CEA Tech) / Laurence Boudet (CEA Tech) / Frederic Graigne (TIGF)
9:40	O-56297	Correlation of Pipeline Corrosion and Coating Condition with ECDA Survey Results Francisco Anes-Arteche (TWI) / Ujjwal Bharadwaj (TWI) / Chi Lee (TWI) / Keming Yu (Brunel University London) / Bin Wang (Brunel University London)
10:20		Coffee Break
Sully 1		Cathodic Protection
Chair(s)		<i>J. Crouzillac / B. Wyatt</i>
10:50	O-67232	Optimisation of internal cathodic protection within capacities through 3D modelisation Fabrice Aniel (EAUX COLLECTIVES ET TRAITEMENTS (ECT))
11:10	O-56852	Study of a combined cathodic protection system of domestic boilers using continuous monitoring by means of local probes Antonio Mingo (Università Politecnica delle Marche) / Tiziano Bellezze (Università politecnica delle Marche) / Gabriella Roventi (Università politecnica delle Marche) / Romeo Fratesi (Università politecnica delle Marche) / Angelo Mancini (Ariston Thermo S.p.A)
11:30	O-62542	New sacrificial anodic alloys Vladimir Kechin (Vladimir State University) / Efim Lyublinski (COR/SCI LLC)
11:50	O-64342	Effectivity of coatings in relation to CP Cudic Dinko (Anodeflex - SFL)
12:30		Lunch

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Sully 1		Cathodic Protection in Marine Environment
Chair(s)		<i>J. Crouzillac / A.-M. Grolleau</i>
14:00	O-55532	Introduction to Anticorrosive Effect and Typical Performance of Al-Zn-Mg-In Alloys as Galvanic Anode Hikaru Abe (NAKABOHEC CORROSION PROTECTING CO.) / Toru Wakabayashi (NAKABOHEC CORROSION PROTECTING CO.) / Ryouji Matsuda (NAKABOHEC CORROSION PROTECTING CO.) / Shinji Utsuno (NAKABOHEC CORROSION PROTECTING CO.) / Toru Yamaji (Port and Airport Research Institute)
14:20	O-50777	Platform cathodic protection with anodes racks and subsea current measurement Jean Vittonato (TOTAL S.A.) / Marie Alix Pellet (South Offshore)
14:40	O-58937	Optimization of cathodic protection for structure in marine tidal zone Min Du (Ocean University of China) / Huanhuan Wang (Ocean University of China) / Shouzhi Han (Ocean University of China)
15:00	O-53182	CP design considerations for subsea pipeline system under GRP cover Christophe Baete (Elsyca n. v.) / Ines Sulentic (Technip Norge AS) / Sylvain Rabouille (Total E&P UK Ltd) / Jean Vittonato (Total E&P)
15:20	O-55072	Field gradient survey of offshore pipeline bundles affected by trawling Gro Østensen Lauvstad (FORCE Technology AS) / Harald Osvoll (FORCE Technology AS) / Jens Christofer Werenskiold (FORCE Technology AS)
15:40		Coffee Break
Sully 1		Cathodic Protection in Marine Environment
Chair(s)		<i>J. Crouzillac / A.-M. Grolleau</i>
16:10	K-69770	Keynote Lecture Specifying corrosion protection for the offshore wind turbine industry Birit Buhr Jensen (DONG Energy) / Andrew Willis (Aquatec)
16:50	O-50767	Cathodic Protection of Subsea Pipelines using an AUV Jean Vittonato (TOTAL S.A.)
17:10	O-64442	Influence of application of direct electrical heating on the cathodic protection system of subsea flowline Seyed Mohammad Kazem Hosseini (Saipem Limited) / Peter Sinclair (Saipem Limited)
17:30	O-57842	Interpretation of galvanic anode inspection data through Finite Element Method (FEM) Modeling Paolo Marcassoli (Cescor srl) / Bruno Bazzoni (Cescor srl) / Peter Woodland (Wood Group Kenny UK Ltd)
17:50		Poster Session and Reception

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Barcelona		Corrosion Control in Aerospace
Chair(s)		<i>T. Hack / M. Zheludkevich</i>
8:40	K-69635	Keynote Lecture Protection systems for helicopters, today and tomorrow Laurent Bortolotto (Airbus Helicopters)
9:20	O-67092	Exploring defects structures as sites for corrosion initiation Anthony Hughes (Institute of Frontier Materials, Deakin University) / M. Parvizi (School of Engineering, Faculty of Science and Technology, Deakin University) / Y. Tan (School of Engineering, Faculty of Science and Technology, Deakin University) / Marceau Ross (Institute for Frontier Materials, Deakin University) / A.M. Glenn (Mineral Resources Flagship) / P. Cizek (Institute for Frontier Materials, Deakin University) / M. Forsyth (Institute of Frontier Materials, Deakin University)
9:40	O-53532	A new approach of the thin foil penetration technique: application to the measure of the propagation rate of the intergranular corrosion on a 2024 alloy Roland Oltra (Université de Bourgogne) / Remy Bonzom (Laboratoire ICB, UMR 6303 CNRS – Université de Bourgogne Franche Comté,) / Jérôme Delfosse (AIRBUS Group Innovations)
10:00	O-56162	Propagation kinetics of intergranular corrosion defects in a 2024 T351 aluminium alloy Marie-Laetitia de BONFILS-LAHOVARY (Université de Toulouse, Institut Carnot CIRIMAT, UPS/CNRS/INPT, ENSIACET, 4 allée Emile Monso, BP 44362, 31030 Toulouse cedex 4) / Lydia LAFFONT (Université de Toulouse, Institut Carnot CIRIMAT, UPS/CNRS/INPT, ENSIACET, 4 allée Emile Monso, BP 44362, 31030 Toulouse cedex 4) / Christine BLANC (Université de Toulouse, Institut Carnot CIRIMAT, UPS/CNRS/INPT, ENSIACET, 4 allée Emile Monso, BP 44362, 31030 Toulouse cedex 4)
10:20		Coffee Break
Barcelona		Corrosion Control in Aerospace
Chair(s)		<i>T. Hack / M. Zheludkevich</i>
10:50	O-59417	The corrosion protective properties and inhibitor throwing-power of lithium based coating technology on AA2024-T3 Peter Visser (Delft University of Technology) / Arjan Mol (Delft University of Technology) / Herman Terryn (Vrije Universiteit Brussel)
11:10	O-56822	Li-based active LDH sealing of TSA anodized AA2024 Mikhail Zheludkevich (Helmholtz-Zentrum Geesthacht) / Diogo Mata (Smallmatek LDA) / Maria Serdechnova (Helmholtz Zentrum Geesthacht) / Marta Mohedano (Helmholtz Zentrum Geesthacht) / Theo Hack (Airbus Group Innovation)
11:30	O-66152	Effect of post-treatment on trivalent chromium protection (TCP) on aluminium alloy 2024-T3 Marion Ely (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Jolanta Światowska (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Antoine Seyeux (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Sandrine Zanna (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Lorena Klein (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
11:50	O-57022	Post-treatment of SAA oxide for improvement of adhesion and corrosion resistance for aerospace applications Yulia Meteleva (Fokker Aerostructures B.V.) / John de Kok (Fokker Aerostructures) / Vincent Van den Heuvel (Fokker Aerostructures B.V.)
12:100	O-59327	Sealing mechanisms of anodized aluminium alloys by a Cr³⁺ / ZrF₆²⁻ salts solution Najat Chahboun (Université de Lorraine)
12:30		Lunch

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Barcelone		Corrosion Control in Aerospace
Chair(s) <i>M. Zheludkevich / T. Hack</i>		
14:00	O-68337	Management of the corrosion for Airbus helicopters David Sinopoli (Airbus Helicopters)
14:20	O-60697	Mechanisms of corrosion protection of anodized aluminium alloys brought by a Cr3+/ZrF6 2- sealing treatment Najat Chahboun (Université de Lorraine)
14:40	O-59052	The effect of anodic oxide chemistry and morphology on adhesion and durability in aerospace structural adhesive bonding S.T. Abrahams (Materials innovation institute (M2i)) / J.M.M de Kok (Fokker Aerostructures) / V.C. Gudla (Technical University of Denmark) / R. Ambat (Technical University of Denmark) / H. Terry (Vrije Universiteit Brussel) / J.M.C. Mol (Delft University of Technology)
15:00	O-64802	Stand-alone Cr(VI)-free pickling process for structural adhesive bonding of aluminium alloys John de Kok (Fokker Aerostructures BV) / Vincent van den Heuvel (Fokker Aerostructures) / Yulia Meteleva (Fokker Aerostructures)
15:20	O-64297	Controlled oxide film formation to improve the corrosion resistance of aluminum alloy Valentin Marian Dumitrascu (Engineering Faculty, Dunarea de Jos University of Galati) / Lidia Benea (Engineering Faculty, Dunarea de Jos University of Galati) / Eliza Danaila (Engineering Faculty, Dunarea de Jos University of Galati)
15:40		Coffee Break
Barcelone		Corrosion Control in Aerospace
Chair(s) <i>M. Zheludkevich / T. Hack</i>		
16:10	O-68645	Effect of cerium (III) on the corrosion protection properties of the film formed on the AA2524-T3 alloys by hydrothermal treatments. Maysa Terada (Polytechnic School of the University of São Paulo) / Fernanda Queiroz (Polytechnic School of the University of São Paulo) / Hellen Costenaro (Polytechnic School of the University of São Paulo) / Isolda Costa (Instituto de Pesquisas Energéticas e Nucleares) / Hercilio de Melo (Polytechnic School of the University of São Paulo)
16:30	O-51592	Study of the galvanic corrosion in Al/CFRP co-cured hybrid materials Sebastien Mercier (ONERA Chatillon) / romain agogué (Onera) / Anne Mavel (ONERA) / Philippe Nunez (ONERA)
16:50	O-56692	Study of protective efficiency and structure of sol-gel coatings made from cyclic planar precursor Angelja K. Surca (National Institute of Chemistry) / Mirjana Rodošek (National Institute of Chemistry) / Lidija Slemenik Perše (National Institute of Chemistry) / Matjaž Koželj (National Institute of Chemistry)
17:10	O-55167	Passive wireless sensor for atmospheric corrosion monitoring in aerospace Maria Yasri (Laboratoire de Magnétisme de Bretagne, Université de Bretagne Occidentale) / Erwan Diler (Institut de la Corrosion / French Corrosion Institute) / Benoit Lescop (Laboratoire de Magnétisme de Bretagne, Université de Bretagne Occidentale) / Dominique Thierry (Institut de la Corrosion / French Corrosion Institute) / Stéphane Rioual (Laboratoire de Magnétisme de Bretagne, Université de Bretagne Occidentale) / François Gallée (Lab-STICC/MOM, Telecom Bretagne)
17:50		Poster Session and Reception

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Joffre 5		Corrosion of Steel in Concrete
Chair(s)		<i>M. Raupach / D. M. Batisdas</i>
8:40	O-54672	Electrochemical properties of the oxide scale on steel exposed in synthetic concrete pore solution Ahlstrom Johan (Swerea KIMAB) / Luping Tang (Chalmers) / Bror Sederholm (Swerea KIMAB) / Johan Tidblad (Swerea KIMAB)
9:00	O-68820	Identification of rebar corrosion induced by carbonation in cracked concrete subjected to different environmental conditions Rita Maria Ghantous (CEA, DEN, DANS, DPC, SECR, Laboratoire d'Etude du Comportement des Bétons et des Argiles) / Stephane Poyet (CEA, DEN, DANS, DPC, SECR, Laboratoire d'Etude du Comportement des Bétons et des Argiles) / Valerie L'Hostis (CEA, DEN, DANS, DPC, SECR, Laboratoire d'Etude du Comportement des Bétons et des Argiles) / Nhu-Cuong Tran (EDF, R&D, MMC) / Raoul François (LMDC, Université de Toulouse, INSA, UPS)
9:20	O-63602	Stress corrosion cracking of lean duplex stainless steel reinforcements in simulated concrete pore solution David M. Bastidas (National Center for Metallurgical Research (CENIM)) / E. Briz (Faculty of Engineering, Basque Country University (UPV-EHU). Alameda Urquijo s/n. 48013 Bilbao.) / M.V Biezma (School of Nautical Studies, University of Cantabria, UC. C/ Dique de Gamazo 1, 39004 Santander.) / I. Llorente (CENIM-CSIC)
9:40	O-59742	Corrosion of steel in concrete exposed to cyclic sea level changes Miha Hren (Slovenian National Building and Civil Engineering Institute) / Nina Gartner (Slovenian National Building and Civil Engineering Institute) / Tadeja Kosec (Slovenian National Building and Civil Engineering Institute) / Andraž Legat (Slovenian National Building and Civil Engineering Institute)
10:00	O-51927	Modelling of patch repair Eric Loziquez (DTeclTM) / Jean-François Barthelémy (CEREMA) / Véronique Bouteiller (IFSTTAR)
10:20		Coffee Break
Joffre 5		Corrosion of Steel in Concrete
Chair(s)		<i>M. Raupach / D. M. Batisdas</i>
10:50	O-61812	Numerical and experimental development of gradient potential measurement for corrosion detection of reinforced concrete slab Sylvain Garcia (Université de Toulouse, INSA - UPS, Laboratoire Matériaux et Durabilité des Constructions) / Fabrice Deby (Université de Toulouse, INSA - UPS, Laboratoire Matériaux et Durabilité des Constructions) / Jean-Paul Balayssac (Université de Toulouse, INSA - UPS, Laboratoire Matériaux et Durabilité des Constructions)
11:10	O-52512	Numerical simulations for the detection of leakages in the sealing of bridges by changes in the electrolyte resistance Carla Driessen (RWTH Aachen) / Michael Raupach (ibac, RWTH Aachen)
11:30	O-62187	Life Cycle Cost Analysis (LCCA) of corrosion resistant steel based on long-term corrosion monitoring Nina Gartner (Slovenian National Building and Civil Engineering Institute) / Tadeja Kosec (Slovenian National Building and Civil Engineering Institute) / Andraž Legat (Slovenian National Building and Civil Engineering Institute) / Andrej Kranjc (Slovenian National Building and Civil Engineering Institute)
11:50	O-52147	Long-term durability of reinforced concrete structures in marine environments Robert Melchers (University of Newcastle) / Igor Chaves (The University of Newcastle)
12:10	O-64087	15 years corrosion survey feed back in alpes highway Richard Guerin (RGD) / Banant David (AUTOROUTE ET TUNNEL DU MONT BLANC)
12:30		Lunch

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Joffre 5		Corrosion of Steel in Concrete
Chair(s)		<i>M. Raupach / D. M. Batisdas</i>
14:00	O-52872	Evaluation of trisodium phosphate inhibitor's efficiency against prestressing steel chloride-induced corrosion in concrete pore solution Hela Ben Mansour (ENIT / INSA de Lyon) / Leila Dhouibi (ENIT) / Hassane Idrissi (INSA de Lyon)
14:20	O-56407	Inhibitor evaluation in different simulated concrete pore solution for the protection of steel rebars Hilke Verbruggen (SURF - Vrije Universiteit Brussel) / Herman Terryn (SURF - Vrije Universiteit Brussel) / Iris De Graeve (SURF - Vrije Universiteit Brussel)
14:40	O-68460	Influence of different mineral admixtures in the effectiveness of electrochemical chloride extraction process in concrete Sara Ramos (Eduardo Torroja Institute (IETcc), Spanish National Research Council (CSIC)) / Isabel Martínez (Eduardo Torroja Institute (IETcc), Spanish National Research Council (CSIC)) / Ángel Castillo (Eduardo Torroja Institute (IETcc), Spanish National Research Council (CSIC)) / Marta Castellote (Eduardo Torroja Institute (IETcc), Spanish National Research Council (CSIC))
15:00	O-67607	Evaluation of service life of reinforced concrete in the middle east - five year testing Usama Jacir (Cortec Middle East) / Mohamad Nagi (American University in Dubai)
15:20	O-70445	Effect of rebar and cement type on the critical chloride content of reinforced concrete Jan Bisschop (Technology and research for concrete structures (TFB AG) / Yves Schiegg (Technology and research for concrete structures (TFB AG)
15:40	Coffee Break	
17:50	Poster Session and Reception	

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Joffre 4 Corrosion Reliability of Electronics Devices and Materials		
Chair(s) <i>R. Ambat / H. Schweigart</i>		
8:40	O-60452	Effect of hygroscopic atmospheric particles deposition on the corrosion reliability of electronics Luca D'Angelo (University of Milano-Bicocca) / Verdingovas Vadimas (Technical University of Denmark, Department of Mechanical Engineering) / Luca Ferrero (University of Milano-Bicocca, Department of Earth and Environmental Science) / Ezio Bolzacchini (University of Milano-Bicocca, Department of Earth and Environmental Science) / Rajan Ambat (Technical University of Denmark, Department of Mechanical Engineering)
9:00	O-63832	Dynamics of moisture ingress in second and first level housings Helene Conseil (Technical University of Denmark) / Gerald Hamm (Robert Bosch GmbH, Automotive Electronics) / Lutz Mueller (Robert Bosch GmbH, Automotive Electronics) / Mathias Hain (Robert Bosch GmbH, Automotive Electronics) / Rajan Ambat (Technical University of Denmark)
9:20	O-55312	Practical humidity ingress in electronic enclosures Kim Albert Schmidt (DELTA) / Anders Bonde Kentved (DELTA)
9:40	O-70090	Choosing the right No Clean chemistry for lead free solder paste in Vapor Phase Reflow Emmanuelle Gu��n�� (Inventec Performance Chemicals)
10:20 Coffee Break		
Joffre 4 Corrosion Reliability of Electronics Devices and Materials		
Chair(s) <i>R. Ambat / H. Schweigart</i>		
10:50	O-62342	Electronics device level testing and visualization of tin corrosion on printed circuit boards Morten Stendahl Jellesen (Technical University of Denmark) / Vadimas Verdingovas (DTU) / Helene Conseil (DTU) / Rajan Ambat (DTU)
11:10	O-60972	Degradation of wetness sensors exposed to maritime atmosphere Oleg Startsev (All-Russian Scientific-Research Institute of Aviation Materials) / Maksim Molokov (All-Russian Scientific-Research Institute of Aviation Materials) / Ivan Medvedev (All-Russian Scientific-Research Institute of Aviation Materials (FSUE)
11:30	O-59602	Thermal stability of electroplated tin-nickel alloy: study on microstructure and electrochemical proper Peter Jensen (Department of Mechanical Engineering, Technical University of Denmark) / Visweswara C. Gudla (Department of Mechanical Engineering, Technical University of Denmark) / Rajan Ambat (Department of Mechanical Engineering, Technical University of Denmark)
12:30 Lunch		

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Joffre 4		Tribocorrosion
Chair(s)		S. Mischler
14:00	O-66632	A study of surface/subsurface modification observed in abrasive waterjet machining using a nickel model material Maxime Mieszala (Empa - Materials Science and Technology) / Pablo Lozano Torrubia (University of Nottingham) / Dragos Axinte (<i>idem</i>) / Johann Michler (Empa - Materials Science and Technology) / Stefano Mischler (EPFL - Polytechnique Fédérale de Lausanne) / Laetitia Philippe (Empa - Materials Science and Technology)
14:20	O-59337	Investigation of the synergistic effects of cavitation erosion-corrosion on nickel aluminium bronze in 3.5% NaCl solution Jahnabi Basumatary (University of Southampton)
14:40	O-62012	Comparison of tribocorrosion processes on NiTi and stainless steel dental alloys Petra Mocnik (Slovenian National Building and Civil Engineering Institute) / Tadeja Kosec (<i>idem</i>)
15:00	O-64312	Fretting corrosion of Ti-6Al-4V vs. Ti-6Al-4V contact and Ti-Al-4V vs. Zirconia: dental implant against abutment. Pascale Corne (Research group Dolphin, Department N2EV, Institut Jean Lamour, UMR 7198, CNRS, Lorraine University) / Anne-Sophie Vaillant Corroy (<i>idem</i>) / Franck Cleymand (<i>idem</i>) / Pascal De March (<i>idem</i>) Jean Geringer (Mines Saint-Etienne, CIS, STBio, INSERM SAINBIOSE, Saint-Etienne, France)
15:20	O-57862	Third-body mass balance modelling for tribocorrosion systems Javier Navarro-Laboulais (Camino de Vera s/n 46022) / Angela Bermúdez-Castañeda (EPFL) / Stefano Mischler (EPFL)
15:40		Coffee Break
Joffre 4		Tribocorrosion
Chair(s)		J. Geringer
16:10	O-55472	Characterisation and improvement of the tribocorrosion resistance of Ti13Nb13Zr by a thermal oxidation treatment Ione Golvano (Mondragon Unibertsitatea) / Andrea Aginagalde (<i>idem</i>) / Wilson Tato (<i>idem</i>) / Iñaki Garcia Diego (CENIM) / Ana Conde (<i>idem</i>)
16:30	O-61732	Investigations on wear-resistant coatings as alternative to hard Cr Andrea Förg (Fraunhofer UMSICHT) / Mireille Poelman (Materia Nova) / Patrick J. Masset (Fraunhofer UMSICHT) / Andreas Dietz (Fraunhofer IST) / Andrea Bund (TU Ilmenau) / Adriana Ispas (<i>idem</i>) / Laure Libralesso (CRM Group) / Corinne Nouvellon (Materia Nova) / Jerzy Ratajski (TU Koszalin) / Lukasz Szparaga (<i>idem</i>)
16:50	O-58347	Tribocorrosion behavior of PEO coatings on Ti6Al4V alloy under different normal loads and sliding velocities Hamid Khanmohammadi (University of Tehran) / Saeed Reza Allahkaram (<i>idem</i>) / Anna Igual Munoz (Universidad Politécnica de Valencia (UPV)) / Amir Reza Rashid Farrokhi (Sarkhoon & Qeshm Gas Treating Co.)
17:10	O-51947	The effect of surface treatment by pulsed laser on corrosion behaviour of Ti-6Al-4V alloy Alireza Hatami Monfared (National Iranian Gas Company) / Abdolhamid Jafari (Shahid Bahonar University) / Reza Shoja Razavi (Malek Ashtar University)
17:50		Poster Session and Reception

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Sully 3		Corrosion of Archaeological and Historical Artefacts
Chair(s)		S. Grassini / V. Gouda
8:40	O-62392	Study of interactions between organic protection treatment and bronzes patina Emilande Apchain (LAPA) / Delphine Neff (LAPA) / Annick Texier (LRMH) / Aurélia Azema (LRMH) / François Mirambet (C2RMF) / Dominique Robcis (C2RMF) / Jean-Paul Gallien (LAPA) / Albert Noumowé (L2MGC) / Philippe Dillmann (LAPA)
9:00	O-57297	Corrosion protection of outdoor bronze: historical quaternary alloy and modern alloy with artificial patination Giulia Masi (Dipartimento di Ingegneria Civile, Chimica, Ambientale e dei Materiali, Università di Bologna) / Luc Robbiola (TRACES lab (CNRS UMR5608), Université de Toulouse) / Jerome Esvan (Centre Interuniversitaire de Recherche et d'Ingénierie des Matériaux, Université de Toulouse) / Cristina Chiavari (Dipartimento di Beni Culturali, Università di Bologna) / Cecilia Monticelli (Centro di Studi sulla Corrosione e Metallurgia "A. Daccò", Università di Ferrara) / Andrea Balbo (Centro di Studi sulla Corrosione e Metallurgia "A. Daccò", Università di Ferrara) / Elena Bernardi (Dipartimento di Chimica Industriale "Toso Montanari", Università di Bologna) / Maria Chiara Bignozzi (Dipartimento di Ingegneria Civile, Chimica, Ambientale e dei Materiali, Università di Bologna) / Carla Martini (Dipartimento di Ingegneria Industriale, Università di Bologna)
9:20	O-55287	Effect of oxide particle addition on the protectiveness of organosilane coatings on bronze exposed to synthetic acidic rain Andrea Balbo (Corrosion and Metallurgy Study Centre "A. Daccò" – TekneHub – University of Ferrara) / Federica Zanotto (Corrosion and Metallurgy Study Centre "A. Daccò" – Terra&Acquatch – University of Ferrara) / Vincenzo Grassi (Corrosion and Metallurgy Study Centre "A. Daccò" – TekneHub – University of Ferrara) / Cecilia Monticelli (Corrosion and Metallurgy Study Centre "A. Daccò" – TekneHub – University of Ferrara)
9:40	O-65782	Laser cleaning of archaeological bronze artefacts Elisabetta Di Francia (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia) / Luis Alberto Angurel (Instituto de Ciencia de Materiales de Aragón, (CSIC – Universidad de Zaragoza)) / Emma Angelini (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia (DISAT)) / Sabrina Grassini (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia (DISAT)) / Ruth Lahoz (Instituto de Ciencia de Materiales de Aragón, (CSIC – Universidad de Zaragoza)) / Marco Parvis (Politecnico di Torino, Dipartimento di Elettronica e Telecomunicazioni (DET))
10:00	O-65677	Assessment of some corrosion inhibitors and protective coatings for bronze artifacts Ahmed Elsayed (Department of applied science and Technology, Politechic of Turin University) / Mohamed El-Gohary (Conservation department, Faculty of arts, Sohag University, Egypt)
10:20	Coffee Break	

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Sully 3		Corrosion & Corrosion Protection of Drinking Water Systems
Chair(s)		J.-W. Erning
10:50	O-56802	Crevice geometry and biofilm development impact on stainless steel durability in drinking water network Audrey Allion (Aperam) / Charles Leballeur (French Corrosion Institute) / Nicolas Larché (French Corrosion Institute)
11:10	O-59657	A new look into the selective dissolution of Cu-Zn alloys in tap water: elemental release, scale formation and dissolution mechanism Peng Zhou (PSL Research University, CNRS - Chimie ParisTech, IRCP/I2E) / Kevin Ogle (PSL Research University, CNRS - Chimie ParisTech, IRCP/I2E)
11:30	O-67732	Asbestos cement pipe condition assessment and maintenance strategy Angelika Becker (IWW Water Centre)
11:50	O-58612	Electrochemical water treatment for scale removal Cosmelina Goncalves Da Silva (UR ABTE EA 4651/IUT de Caen-UNICAEN) / Otavio Gil (UR ABTE EA 4651/IUT de Caen-UNICAEN) / Benoît Riffault (UR ABTE EA 4651/IUT de Caen-UNICAEN) / Daniel Chateigner (CRISMAT-CNRS UMR 6508/ENSICAEN-UNICAEN) / Dominique Gelus (Calor SAS-Groupe SEB) / Stéphane Leboeuf (Calor SAS-Groupe SEB) / Thomas Cordier (Calor SAS-Groupe SEB) / Guy Ducruet (Calor SAS-Groupe SEB)
12:30	Lunch	

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Sully 3			Corrosion and Scale Inhibition		
			Chair(s) G. Schmitt / W. Hater		
14:00	K-67657	Keynote Lecture Benefits from the use of film forming amines in district cooling water circuits Christophe Foret (KURITA France SAS) / Philippe Bleriot (KURITA France SAS) / Michèle Merchat (CLIMESPACE)			
14:40	O-59207	Functionalized zirconium orthophosphate as corrosion inhibitors of zinc with controlled release: physico-chemical and electrochemical characterizations Imane Bouali (Laboratoire de Matière Condensée et Nanostructures (LMCN), Faculté des Sciences et Techniques Guéliz, Université Cadi Ayyad) / Benaissa Rhouta (Laboratoire de Matière Condensée et Nanostructures (LMCN), Faculté des Sciences et Techniques Guéliz, Université Cadi Ayyad) / Aziza Khalil (Laboratoire de Matière Condensée et Nanostructures (LMCN), Faculté des Sciences et Techniques Guéliz, Université Cadi Ayyad) / Ahmed Ait Aghzzaf (Laboratoire de Matière Condensée et Nanostructures (LMCN), Faculté des Sciences et Techniques Guéliz, Université Cadi Ayyad) / Delphine Veys-Renaux (Institut Jean Lamour - Université de Lorraine/CNRS) / Emmanuel Rocca (Institut Jean Lamour - Université de Lorraine/CNRS)			
15:00	O-51687	Study of the inhibition mechanism of benzotriazole for the protection of Zn-Mg coated steel Justine Rodriguez (University of Mons) / Maixent Mouanga (University of Mons) / Aldo Mirisola (University of Mons) / Aline Roobroeck (Materia Nova ASBL) / Marjorie Olivier (University of Mons)			
15:20	O-52327	The film formation and corrosion inhibition of oleylamines on aluminium Julia Jasper (Kurita Europe GmbH) / Patrick Kraft (Kurita Europe GmbH) / Wolfgang Hater (Kurita Europe GmbH)			
15:40		Coffee Break			
Sully 3			Corrosion and Scale Inhibition		
			Chair(s) G. Schmitt / W. Hater		
16:10	O-51882	Biodegradable corrosion inhibitor packaging for electronic equipment Robert Kean (Cortec Corporation) / Boris Miksic (Cortec Corporation) / Ivan Rogan (Cortec Corporation)			
16:30	O-51992	Improved packaging film incorporating vapor phase corrosion inhibitors and high recycle content Robert Kean (Cortec Corporation) / Boris Miksic (Cortec Corporation)			
16:50	O-50187	Influence of particle size of vapor corrosion inhibitor powders on their inhibiting effectiveness Behzad Bavarian (CSUN) / Boris Miksic (Cortec Corporation) / Babak Samimi (CSUN-MSEM) / Lisa Reiner (CSUN.MSEM)			
17:10	O-67477	Environmental friendly sarcosine inhibitors for the corrosion protection of DC01 steel Saad Kaskah (Department of Physics, University Koblenz-Landau) / Paulo Ferreira (Institute of mechanics and material science, TH Mittelhessen University of Applied Sciences) / Gitta Ehrenhaft (Institute of mechanics and material science, TH Mittelhessen University of Applied Sciences) / Marcus Pfeiffer (Institute of mechanics and material science, TH Mittelhessen University of Applied Sciences) / Jörg Gollnick (Institute of mechanics and material science, TH Mittelhessen University of Applied Sciences) / Christian B. Fischer (Department of Physics, University Koblenz-Landau)			
17:50		Poster Session and Reception			

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Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		S. Paterson / M.E. Wilms
8:40	O-66207	Assessment of the operating window of 13Cr- 1Mo 110 ksi well tubulars in a mild sour gas environment M.A. van Kuppevelt (Shell Global Solutions International BV) / M.E. Wilms (Shell Global Solutions International BV) / W.D. Grimes (Shell Global Solutions International BV) / J.P. Smit (Shell Global Solutions International BV) / P. Rincon Flores (Petroleum Development Oman) / C. Khoo (Petroleum Development Oman) / M. Gonuguntla (Petroleum Development Oman) / Nasser Behlani (Petroleum Development Oman) / Abri, Zahran (Petroleum Development Oman) / Farei, Ibrahim (Petroleum Development Oman)
9:00	O-53042	New super martensitic stainless steels for oil & gas industry: correlation between molybdenum content and hydrogen embrittlement Martin Monnot (SIMaP Grenoble Université Alpes) / Marc Mantel (SIMaP Grenoble Université Alpes) / Virginie Roche (LEPMI Grenoble Université Alpes) / Eric Chauveau (Ugitech) / Ricardo Nogueira (Gas Research Center)
9:20	O-67782	Corrosion testing of weldable super 13 Cr pipeline steel Steve Paterson (Shell Projects and Technology) / Ryan Jackson (Brunei Shell Petroleum)
9:40	O-51382	Effect of the substitution of Ni by N and Mn in lean duplex stainless steels on stress corrosion cracking assisted by H₂S Fiona Ruel (Aperam) / Saghi SAEDLOU (Aperam) / Sandra LE MANCHET (Industeel) / Christophe MENDIBIDE (Institut de la Corrosion) / Krzysztof WOLSKI (EMSE, UMR 5307 LGF)
10:00	O-xxxxx	Experience with qualification testing of weldable 13Cr pipeline steel with well completion brines Steve Paterson (Shell Projects & Technology) / Ryan Jackson (Brunei Shell Petroleum)
10:20		Coffee Break
Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		S. Paterson / M.E. Wilms
10:50	O-54942	Evaluation of the corrosion risk of duplex stainless steel UNS S82551 in treated seawater injection service Nicolas Larché (Institut de la Corrosion) / Perry Ian Nice (Statoil) / Claas Hendrik Van Der Zwaag (Statoil) / Thomas Nesse (Statoil) / Lucrezia Scoppio (Pipe Team) / Hisashi Amaya (Nippon Steel & Sumitomo Metal Corp.) / Yuya Matsuda (Nippon Steel & Sumitomo Metal Corp.) / Matteo Fiocchi (S&L Consulting SA) / Dominique Thierry (Institut de la Corrosion)
11:10	O-57127	A new centrifugally cast austenitic Ni-base alloy suitable for severe sour service heavy wall thickness piping application Daniel Bengtsson Blucher (SINTEF) / Torstein Lange (SINTEF) / Shankar Venkataraman (Schmidt + Clemens GmbH + Co. KG) / Henrik Asteman (Schmidt + Clemens GmbH + Co. KG) / Dietlinde Jakobi (Schmidt + Clemens GmbH + Co. KG) / Roy Johnsen (Norwegian University of Science and Technology)
11:30	O-61497	Failure analysis: SCC limits of AISI 321 stainless steel grade for oil & gas Thiago Mesquita (TOTAL SA) / Hervé Marchebois (TOTAL SA) / Made-Emmy Pramitadewi (TOTAL SA) / Jean Vittonato (TOTAL SA) / Kamesh Kumar (TOTAL Abu Al Bukhoosh)
11:50	O-52347	Corrosion resistance of the super-austenitic material UNS S31266 in demanding environments Sandra Manchet (Industeel Arcelormittal)

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12:10	O-67337	Guidelines for use of welded stainless steel in corrosive environments - JOINOX Nuria Fuertes (Swerea KIMAB AB) / Lars-Åke Bylund (voestalpine) / Andre Fasth (voestalpine) / Mette Ramberg Frodigh (Sandvik Materials Technology) / Anna Gironès (Fundació CTM Centre Tecnològic) / Elisabeth Johansson (Outokumpu Stainless) / Qing Lu (TWI Limited) / Silvia Molas (Fundació CTM Centre Tecnològic) / Martin Schmitz-Niederer (voestalpine) / Robert Shaw (TWI Limited) / Michael Rohwerder (Max-Planck-Institut für Eisenforschung)
12:30		Lunch
Joffe A+B		Corrosion in Oil & Gas Production
Chair(s)		S. Paterson / M.E. Wilms
14:00	O-50697	A new alloy filler metal designed for welding high strength ID-clad steels Sarwan K. Mannan (Special Metals Corporation) / Ronnie Gollohue (Special Metals Corporation) / Sam Klser (Special Metals Welding Products) / Steve McCoy (PCC Forged Products) / John Phillipp (Special Metals Welding Products) / Martin Caruso (Special Metals Welding Products)
14:20	O-62027	Hydrogen embrittlement susceptibility of high strength corrosion resistant alloy Masayuki Sagara (Nippon Steel and Sumitomo Metal Corp.) / Yusaku Tomio (NSSMC) / Masaki Ueyama (NSSMC) / Tomohiko Omura (NSSMC) / Masanari Kimoto (NSSMC) / Hisashi Amaya (NSSMC)
14:40	O-66352	Influence of H₂S on the pit to crack transition in sour testing of CRAs James Hesketh (National Physical Laboratory) / Gareth Hinds (National Physical Laboratory) / Alan Turnbull (National Physical Laboratory)
15:00	O-56547	Novel approach to validation of thermodynamic models for the chemistry of oilfield environments Gareth Hinds (National Physical Laboratory) / Julia Abda (National Physical Laboratory) / Hugh Davies (National Physical Laboratory) / Alan Turnbull (National Physical Laboratory)
15:20	O-57162	Development of an in-situ flow cell to simulate unspent acid flow-back following matrix acidizing Benjamin Pickles (University of Leeds) / Richard Barker (University of Leeds) / Anne Neville (University of Leeds)
15:40		Coffee Break
Joffe A+B		Corrosion in Oil & Gas Production
Chair(s)		S. Paterson / M.E. Wilms
16:10	O-56247	A new method to titrate corrosion inhibitors in produced waters Gregory Moulie (TOTAL S.A.) / Michel Bonis (Total S.A.) / Christine Gleyzes (UT2A) / Cyril Cugnet (UPPA) / Stephane Faucher (UPPA)
16:30	O-54172	Insight into oilfield corrosion by scanning tunnelling microscopy and X-ray photoelectron spectroscopy Matthew Acres (University of Manchester) / Hadeel Hussain (University of Manchester) / Christopher Muryn (University of Manchester) / Robert Lindsay (University of Manchester)
16:50	O-54592	Field Kelvin Probe: progress made towards rapid, in-situ evaluation of HISC susceptibility and undercoating corrosion Eugen Florin Turcu (Christian Michelsen Research A/S) / Stefan Evers (Max-Planck-Institut für Eisenforschung GmbH) / Bård Henriksen (Christian Michelsen Research A/S) / Inge Klepsvik (Christian Michelsen Research A/S) / Michael Rohwerder (Max-Planck-Institut für Eisenforschung GmbH)

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17:10	O-63232	In situ grazing incidence X-ray diffraction of sweet corrosion scaling across an X-65 weld Karyn Cooper (The University of Manchester) / Gaurav Joshi (the University of Manchester) / Paulina Arellanes Lozada (The University of Manchester) / Oier Bikondoa (The European Synchrotron Radiation Facility) / Dirk Engelberg (The University of Manchester) / Robert Lindsay (The University of Manchester)
17:30	O-55762	Susceptibility of selected steel grades to hydrogen embrittlement in underground gas storage Karl Jojo Vidic (Chair of General and Analytical Chemistry, Montanuniversität Leoben) / Anna Visser (Chair of General and Analytical Chemistry, Montanuniversität Leoben) / Gregor Mori (Chair of General and Analytical Chemistry, Montanuniversität Leoben) / Markus Oberndorfer (RAG Rohöl-Aufsuchungs Aktiengesellschaft) / Stephan Bauer (RAG Rohöl-Aufsuchungs Aktiengesellschaft)
17:50	Poster Session and Reception	

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Louisville		Corrosion in the Refinery Industry
Chair(s)		<i>F. Ropital</i>
8:40	O-60132	Development of predictive model for sulphur species thermal dissociation and related corrosivity in condensate feedstock Mabruk Suleiman (Takreer Research Centre) / Mohammad Rakib (TAKREER Research Centre) / Hala Kelani (TAKREER Research Centre) / Mustafa Karakaya (TAKREER Research Centre) / Rizwan Ahmed (TAKREER Research Centre)
9:00	O-68895	Prediction, monitoring and inspection of high temperature corrosion in CDU and HVU of an oil refinery Philipp Schempp (Rheinland Refinery, Shell Deutschland Oil GmbH) / Silvio Köhler (Rheinland Refinery, Shell Deutschland Oil GmbH) / Karsten Preuß (Rheinland Refinery, Shell Deutschland Oil GmbH) / Micha Tröger (Rheinland Refinery, Shell Deutschland Oil GmbH)
9:20	O-59732	Novel approach for measurement of corrosivity of acidic crude oils Biswajit Shown (Reliance Industries Limited)
9:40	O-50157	Corrosion problems and solutions in oil refining and petrochemical industry Alec Groysman (Israeli Society of Chemical Engineers and Chemists c/o AEAI)
10:00	O-61427	Source detection and removal of organic chloride component in crude oil Farzaneh Akvan (Young Researchers and Elites Club, North Tehran Branch, Islamic Azad University & Corrosion Studies Monitoring, Research Institute of Shakhes Pajouh (Future Studies)) / Reza Javaherdashti (PhD; Principle Advisor and Manager of Corrosion Studies Monitoring, Research Institute of Shakhes Pajouh (Future Studies))
10:20	Coffee Break	
Louisville		Corrosion in the Refinery Industry
Chair(s)		<i>F. Ropital</i>
10:50	O-50222	Long-range microwave detection of wet insulation for CUI mitigation Geir Instanes (ClampOn AS)
11:10	O-66087	Corrosion protection of storage tank soil side bottoms new application experience Jérôme Vendramini (ACOBAL S.A.S.) / Kelly Baker (Northern Technologies International Corporation, Zerust Oil & Gas) / Terry Natale (Northern Technologies International Corporation, Zerust Oil & Gas) / Gautam Ramdas (Northern Technologies International Corporation, Zerust Oil & Gas) / Alexander Roytman (Northern Technologies International Corporation, Zerust Oil & Gas) / Monique Posner (Northern Technologies International Corporation, Zerust Oil & Gas) / Yefim Vaks (Northern Technologies International Corporation, Zerust Oil & Gas)
11:30	O-61992	Real time corrosion prediction in the refining industry – impact on asset integrity and corrosion management Slawomir Kus (Honeywell Process Solutions) / Pierre Constantineau (Honeywell Process Solutions) / Sridhar Srinivasan (Honeywell Process Solutions)
11:50	O-56657	High temperature, chlorine induced corrosion in a thermal cracking process Alexander Schmid (Montanuniversität Leoben) / Gregor Mori (Montanuniversität Leoben)
12:10	O-50332	Failure analysis of cracks occurred on SS304L tubes of shell and tube heat exchanger during its first start up in Phases 2&3 gas refinery of South Pars Gas Complex Askar Soltani (Senior Corrosion Inspector in SPGC (South Pars Gas Complex)) / Mohsen Najafi (Head of Corrosion inspection Dept. in Phases 17&18 of SPGC(South Pars Gas Complex)) / Reza Ghorbani (Head of Corrosion Inspection Dept. in Phases 2&3 of SPGC (South Pars Gas Complex)) / Reza danaei (Senior Corrosion Inspector in phases 2&3 of SPGC (South Pars Gas Complex))
12:30	Lunch	

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Louisville		Corrosion in the Refinery Industry
Chair(s)		<i>F. Ropital</i>
15:40		Coffee Break

Louisville		Corrosion by Hot Gases and Combustion Products
Chair(s)		<i>M. Schütze</i>
16:10	K-50597	Keynote Lecture Water vapour effects on FeO scale growth: David Young (University of New South Wales) / Huaying Yin (University of New South Wales)
16:50	O-68257	Influence of different parameters (geometry, atmosphere, method of production, mechanical stress) on the oxidation of materials. Françoise Nardou (Professor of University)
17:10	O-67012	Fireside corrosion and role of deposits during oxy-fuel combustion of coal Marta Escoto de Tejada (Institute of Combustion and Power Plant Technology (IFK), University of Stuttgart) / Gosia Stein- Brzozowska (Mitsubishi Hitachi Power Systems Europe GmbH) / Joerg Maier (Institute of Combustion and Power Plant Technology (IFK), University of Stuttgart) / Günter Scheffknecht (Institute of Combustion and Power Plant Technology (IFK), University of Stuttgart)
17:50		Poster Session and Reception

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Sully 2		Improving Corrosion Control of Ships
Chair(s)		D. Thierry
8:40	O-52917	Probabilistic corrosion assessment for semi-submersibles Karoline Mali Neumann (Wood Group Mustang Norway) / Sören Ehlers (Technische Universität Hamburg-Harburg) / Kristen Amundrød (Wood Group Mustang Norway)
9:00	O-53417	Evaluation of emerging antifouling technologies for seawater piping systems Valerie Debout (DCNS Cherbourg) / Giovanni Pavanella (CNR-ISMAR) / Marco Faimali (CNR-ISMAR)
9:20	O-53022	Accelerated corrosion tests for marine paint systems used for ship's topsides and superstructures Nathalie LeBozec (French Corrosion Institute) / Krystel Pelissier (French Corrosion Institute) / Dominique Thierry (French Corrosion Institute)
9:40	O-53367	Evaluation of alternative functional coatings for propellers based on PVD technology Andrea Bergo (Centro Sviluppo Materiali) / Roberta Valle (Centro Sviluppo Materiali)
10:00	O-66332	Development of self-healing anti-corrosion coatings for the protection of critical marine structures Anna Crosby (University of Southampton) / Julian Wharton (University of Southampton) / Keith Stokes (Physical Sciences Department, Defence Science and Technology Laboratory)
10:20		Coffee Break
Sully 2		Improving Corrosion Control of Ships
Chair(s)		D. Thierry
11:50	O-60352	Effects of cathodic protection on silicone coatings Marina Delucchi (DICCA) / Alessandro Benedetti (Istituto per l'Energetica e le Interfasi – U.O.S. Genova, Consiglio Nazionale delle Ricerche) / Andrea Bergo (RINA - Centro Sviluppo Materiali S.p.A.) / Sylvette Bourrel (DGA Techniques aéronautiques, Division Matériaux et Technologies) / Muriel Sales (DGA Techniques aéronautiques, Division Matériaux et Technologies) / Cedric Hubert (DGA Techniques aéronautiques, Division Matériaux et Technologies) / Roberto Stifanese (Istituto di Scienze Marine - U.O.S. Genova, Consiglio Nazionale delle Ricerche) / Pierluigi Traverso (Istituto di Scienze Marine - U.O.S. Genova, Consiglio Nazionale delle Ricerche)
11:10	O-55047	Specific Cathodic Protection Data For Carbon Steel in High Flow Rate Seawater Nicolas Larché (Institut de la Corrosion) / Xavier Hallet (Laborelec, Engie Lab.) / Jérôme Blanc (DGA-Techniques Navales) / Dominique Thierry (Institut de la Corrosion)
12:30		Lunch
17:50		Poster Session and Reception

Tuesday 13 September 2016

Poster Programme as of 18/07/2016

Antigone		Metallic Coatings
17:50	P-52562	Fabrication and characterization of electrodeposition Ni-Cu/ZrO₂ nano composite coatings Zeinab Abdel Hamid (CMRDI) / A.Y. El-Etre (Departement of chemistry, Faculty of Science, Benha University) / S. Abd El Wanees (Departement of chemistry, Faculty of Science, Zagazig University) / M. Fareed (CMRDI)
17:50	P-54162	Friendly and environmentally oil for fabrication of carbon nanotube using thermal pyrolysis process Fatma Mouez (CMRDI)
17:50	P-54712	The corrosion behavior of selected thermally sprayed cermet and alloy based coatings Zdenek Cesanek (Research and Testing Institute Plzen Ltd.) / Jan Schubert (Research and Testing Institute Plzen Ltd.)
17:50	P-56097	Corrosion investigations by using gel-type electrolytes Martin Babutzka (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Gino Ebell (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Andreas Burkert (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Andreas Heyn (Korrosionsdiagnostik Dr. Andreas Heyn)
17:50	P-58272	Microstructure, mechanical properties and corrosion behaviour of cobalt-molybdenum coatings electrodeposited on pure cobalt Michal Latkiewicz (AGH University of Science and Technology, ICB-Universite de Bourgogne) / Halina Krawiec (AGH University of Science and Technology) / Vincent Vignal (ICB-Universite de Bourgogne)
17:50	P-62812	Electrodeposition and characterization of Ni, Co and Ni-Co thins layers on platinum substrate Amel Boukazoula (Ecole Militaire Polytechnique) / Abderrezak Abdi (Ecole Militaire Polytechnique)
17:50	P-67742	Corrosion behavior of CrN and CrXN (X=Mo, Zr and V) coatings deposited by R.F magnetron sputtering in aqueous solution Kheireddine Bouzid (university Badji-Mokhtar)
17:50	P-67967	Electrochemistry investigation of the mechanism of TiO₂ nanoparticles electro-codeposition into Ni matrix to form nanocomposite layers Lidia Benea (Dunarea de Jos University of Galati) / Nadege Caron (CEA Saclay) / Olivier Raquet (CEA Saclay)
Antigone		Pretreatments

17:50	P-52752	Electrochemical and mechanical behavior of UV curing paint on hybrid films modified with polyethyleneglycol plasticizer applied on tinplate Sandra Raquel Kunst (PGEPROTEC – Programa de Pós-graduação em Engenharia de Processos e Tecnologias – Universidade de Caxias do Sul – UCS, Rua Francisco Getúlio Vargas, 1130, Caxias do Sul -RS -Brasil) / Lilian Vanessa Rossa Beltrami (LAPEC - Laboratory of Corrosion Research Universidade Federal do Rio Grande do Sul – UFRGS, Avenida Bento Gonçalves, 9500, Porto Alegre – RS -Brasil.) / Marielen Longhi (PGEPROTEC – Programa de Pós-graduação em Engenharia de Processos e Tecnologias – Universidade de Caxias do Sul – UCS, Rua Francisco Getúlio Vargas, 1130, Caxias do Sul -RS -Brasil) / Rosiana Boniatti (LAPEC - Laboratory of Corrosion Research Universidade Federal do Rio Grande do Sul – UFRGS, Avenida Bento Gonçalves, 9500, Porto Alegre – RS -Brasil.) / Alexandre Bastos (DEMAC Department of Materials Engineering and Ceramics -University of Aveiro, Campus Santiago, 3810-193, Aveiro, Portugal.) / Célia de Fraga Malfatti (LAPEC - Laboratory of Corrosion Research Universidade Federal do Rio Grande do Sul – UFRGS, Avenida Bento Gonçalves, 9500, Porto Alegre – RS -Brasil.)
17:50	P-58382	Corrosion behavior of 2024 aluminum alloy coated with trivalent chromium conversion layer Romain Saillard (CIRIMAT - ENSIACET) / Bernard Viguier (CIRIMAT - ENSIACET) / Grégory Odemer (CIRIMAT - ENSIACET) / Benoît Fori (Mecaprotect) / Christine Blanc (CIRIMAT - ENSIACET)
17:50	P-59457	Surface treatment effect on interfacial chemistry, morphology and physicochemical degradation of steel – composite adhesive joints Joost van Dam (Delft University of Technology) / Herman Terryn (Vrije Universiteit Brussel (VUB)) / Arjan Mol (Delft University of Technology)
17:50	P-62482	Electrochemical study of the effect of hydrolysis time, ageing and curing temperature on the corrosion protection performance of hybrid sol-gel coatings on mild steel Abubakar Mohammed (Sheffield Hallam University) / Nayef M. Alanazi (Saudi Aramco) / Heming Wang (Sheffield Hallam University)
17:50	P-62612	Sol-gel coating for corrosion protection of mild steel with MPTMS as sole precursor Abubakar Mohammed (Sheffield Hallam University) / Nayef M. Alanazi (Saudi Aramco) / Heming Wang (Sheffield Hallam University)
Antigone		Organic Coatings
17:50	P-51897	Evaluation of protective performance of co-extruded films with vapor corrosion inhibitor Ivan Stojanović (University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture) / Boris A. Mikšić, FNACE (Cortec Corporation) / Ivan Juraga (University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture) / Vesna Alar (University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture) / Ivana Radić Boršić (Cortec Corporation)
17:50	P-53072	The effect of coating parameters on the mechanism of cathodic disbondment of the gas transmission pipeline coatings Saeed Ahmadizadeh (National Iranian Gas Company (NIGC)) / Alireza Hatami Monfared (National Iranian Gas Company (NIGC))
17:50	P-53087	Failure investigation of heat shrinkable sleeves in gas transmission pipelines Saeed Ahmadizadeh (National Iranian Gas Company (NIGC)) / Alireza Hatami Monfared (National Iranian Gas Company (NIGC))

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17:50	P-55717	Effective parameters on the internal flow efficiency coatings (FEC) with economy considerations for natural gas pipelines Saied Akhondnasab (Iranian gas engineering & development company)
17:50	P-56057	Rust Converter with Improved Adhesion for Topcoats Sanja Martinez (University of Zagreb, Faculty of Chemical Engineering and Technology) / Boris Mikšić (Cortec Corporation) / Ivan Rogan (CoreCros) / Antonio Ivanković (University of Zagreb, Faculty of Chemical Engineering and Technology)
17:50	P-57912	Shape-controlled metal phosphate particles as corrosion protection additives in organic coatings Emilie Perre (INM - Leibniz Institute for New Materials) / Sener Albayrak (INM Leibniz Institute for New Materials) / Carsten Becker-Willinger (INM Leibniz Institute for New Materials)
17:50	P-58767	SIMS for investigating copper migration through aged acrylic coatings on bronze Rosie Grayburn (Getty Conservation Institute)
17:50	P-60397	Talc as a reservoir for 2-mercaptobenzimidazole for corrosion inhibition in epoxy-ester coating Mohammad Mahdavian (Institute for Colorants, Paints & Coatings) / A. Bahrani (University of Tehran) / R. Naderi (University of Tehran)
17:50	P-62802	Studying the anticorrosive properties of the synthesized Zn nanoparticles capped by cationic surfactant as modifiers for epoxy paint of carbon steel in 3.5% NaCl solution Mohamed Hegazy (Egyptian Petroleum Research Institute)
17:50	P-64997	The French Antico industry by paint Jean-Marie Rosselle (OHGPI)

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17:50	P-68347	Novel antimicrobial powder coating based on polyamide 11 Mariia Boretska (D.Zabolotny Institute of Microbiology and Virology of NAS of Ukraine) / Zhanna Kopteva (D.Zabolotny Institute of Microbiology and Virology of NAS of Ukraine) / Soeren Bellenberg (Duisburg-Essen University) / Geert Potters (Antwerp Maritime Academy) / Alexander A. Protasov (Institute of Hydrobiology of NAS of Ukraine) / Olena Moshynets (Institute of Molecular Biology and Genetic of NAS of Ukraine) / Sergiy Rogalsky (Institute of Bioorganic Chemistry and Petrochemistry of National Academy of Sciences of Ukraine) / O. Dzhuzha (Institute of Bioorganic Chemistry and Petrochemistry of National Academy of Sciences of Ukraine)
17:50	P-70522	Effective parameters on the internal flow efficiency coatings (FEC) with Economy considerations for natural gas pipelines Saied Akhondnasab (Head of corrosion control engineering department (NIGC))
17:50	P-70762	The effects of PolyANiline-Graphene Oxide (PANI-GO) nanosheets on the corrosion protection performance of epoxy coating Hayatgheib Yasmin (Institute of Color Science and Technology) / Bahram Ramezanzadeh (Institute of Color Science and Technology) / Pooneh Kardar (Institute of Color Science and Technology) / Mohamad Mahdavian (Institute of Color Science and Technology)
17:50	P-71082	Effect of surface modification of zinc powders with organosilanes on the corrosion resistance of thin zinc-rich coatings Tae Ho Yun (Pohang Institute of Science and Technology) / Jong Myung Park (Pohang Institute of Science and Technology)
Antigone Inorganic Coatings		
17:50	P-51427	Self-ordering behavior of anodic aluminum porous by one step anodizing using etidronic acid. Lina Marcela SEPULVEDA (UNIVERSIDAD DE ANTIOQUIA) / Juan G. Castaño Gómez (UNIVERSIDAD DE ANTIOQUIA) / Félix Echeverría Echeverría (UNIVERSIDAD DE ANTIOQUIA)
17:50	P-54087	Enhanced anticorrosion properties of PEO coatings on magnesium alloy AZ91 by sealing treatments Marta Mohedano (Helmholtz Zentrum Geesthacht) / Raul Arrabal (Universidad Complutense de Madrid) / Endzhe Matykina (Universidad Complutense de Madrid) / Beatriz Mingo (Universidad Complutense de Madrid) / Maria Concepcion Merino (Universidad Complutense de Madrid) / Angel Pardo (Universidad Complutense de Madrid)
17:50	P-62147	Corrosion performance evaluation of ZrN and ZrSiN coatings deposited on steel surface by magnetron sputtering Maria Castro (UFMG) / Charliane Ferreira (UFMG) / Brunela Silva (UFMG) / Vanessa Lins (UFMG) / Eduardo Tentardini (UFS)
17:50	P-66452	Evaluation of TiO₂-CeO₂ coatings on Ti6Al4V alloy, by conventional electrochemical techniques and near field in the presence of living cells. Greta de Monserrat Tavaréz Martínez (Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada, Altamira, Instituto Politécnico Nacional) / Edgar Onofre Bustamante (Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada, Altamira, Instituto Politécnico Nacional) / Edna Carina de la Cruz Terrazas (CONAYT Research Fellow-Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada, Altamira, Instituto Politécnico Nacional)
17:50	P-70727	PEO coating containing silver or copper particles: Antifouling properties and corrosion resistance of coated AA7075 Luca Pezzato (Università di Padova) / Pietrogiovanni Cerchier (University of Padua) / Emanuela Moschin (University of Padua) / Isabella Moro (University of Padua) / Manuele Dabalà (University of Padua) / Maurizio Magrini (University of Padua)

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17:50	P-70812	Effect of Si particle modification on the growth and microstructure of anodised aluminium oxide Baiwei Zhu (Jönköping University) / Salem Seifeddine (Jönköping University) / Per Persson (Linköping University) / Anders Jarfors (Jönköping University) / Peter Leisner (SP-Technical Research Institute of Sweden) / Caterina Zanella (Jönköping University)
Antigone		Self-healing Coatings
17:50	P-50732	Anticorrosive performance of cerium doped siloxane-PMMA hybrid coatings with self-healing ability Andressa Trentin (Universidade Estadual Paulista Julio de Mesquita Filho - UNESP) / Samarah Vargas Harb (Universidade Estadual Paulista Julio de Mesquita Filho - UNESP) / Fabio Cesar dos Santos (Universidade Estadual Paulista Julio de Mesquita Filho - UNESP) / Sandra Helena Pulcinelli (Universidade Estadual Paulista Julio de Mesquita Filho - UNESP) / Celso Valentim Santilli (Universidade Estadual Paulista Julio de Mesquita Filho - UNESP) / Peter Hammer (Universidade Estadual Paulista Julio de Mesquita Filho - UNESP)
17:50	P-52632	Ammonium molybdate added in hybrid films applied on tinplate: effect of the concentration in the corrosion inhibition action Alexandre Bastos (DEMAC/CICECO - University of Aveiro (UA) - Campus Universitário de Santiago, 3810-193, Aveiro, Portugal.) / Mário Guerreiro Silva Ferreira (DEMAC/CICECO - University of Aveiro (UA) - Campus Universitário de Santiago, 3810-193, Aveiro, Portugal.) / Paulo Santos (DQCI, Federal University of Sergipe – UFS, Avenida. Vereador Olimpio Grande, s/n, Centro, Itabaiana – SE – Brazil.) / Victor Hugo Vitorino Sarmiento (DQCI, Federal University of Sergipe – UFS, Avenida. Vereador Olimpio Grande, s/n, Centro, Itabaiana – SE – Brazil.) / Célia de Fraga Malfatti (LAPEC, Federal University of Rio Grande do Sul – UFRGS, Avenida Bento Gonçalves, 9500, Porto Alegre – RS – Brazil) / Sandra Raquel Kunst (PGEPROTEC, University of Caxias do Sul - UCS, Rua Francisco Getúlio Vargas, 1130, Caxias do Sul - RS – Brasil)
17:50	P-70110	Shape Memory Composite (SMC) self-healing coatings for corrosion protection Luntao Wang (Corrosion&Protection Center University of Science&Technology Beijing)

Antigone		Corrosion Mechanisms, Methods and Modelling
17:50	P-50577	Effect of acidity and immersion time on the corrosion behavior of UNS N07090 in sulfuric acid solutions Alexandra Matheisen Paroni (Universidade de Sao Paulo) / Rodrigo Magnabosco (Centro Universitário FEI) / Neusa Alonso-Falleiros (Universidade de Sao Paulo)
17:50	P-51332	Characteristics of Intermetallic compounds of Zn-Mg coated steel sheets Young Jin Kwak (POSCO)
17:50	P-53217	Scanning Kelvin probe blister test studies Richard Grothe (University of Paderborn)
17:50	P-53227	Influence of plastic strain on corrosion resistance of lean duplex DX2304 Charles David (Aperam R&D, Stainless Europe Research Center) / Fiona Ruel (Aperam R&D, Stainless Europe Research Center) / Florent Krajcarz (Aperam R&D, Stainless Europe Research Center) / Saghi Saedlou (Aperam R&D, Stainless Europe Research Center) / Virginie Roche (LEPMI, Univ. Grenoble Alpes) / Muriel Véron (SIMAP, Univ. Grenoble Alpes) / Ricardo Nogueira (LEPMI, Univ. Grenoble Alpes)

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17:50	P-53822	Film Growth and chloride penetration on austenitic stainless steels in NaCl solution Yongsun Yi (Khalifa University)
17:50	P-54122	Heterogeneous welds and their tendency to form micro-galvanic couples: study by SKPFM Vaclav Seif (Praha) / Jaroslav Bystriansky (University of Chemistry and Technology Prague) / Radka Novakova (University of Chemistry and Technology Prague)
17:50	P-55737	Comparison of barrier properties for ZRP with partial replacement of Zn by micaceous iron oxide of different commercial quality by means of electrochemical noise Boleslav Eremias (SVUOM Ltd.) / Lubomir Mindos (SVUOM Ltd.) / Libor Turek (SVUOM Ltd.) / Libuse Hochmannova (SYNPO)
17:50	P-55832	Corrosion problems in specific indoor microclimates Hana Geiplova (SVUOM Ltd.) / Libor Turek (SVUOM Ltd.) / Dusan Majtas (ITAM CE)
17:50	P-59097	Influence of the chemical composition and of the hardened state of four cast Co-based and Ni-based cast alloys on their behaviour in corrosion by an artificial saliva Patrice Berthod (Université de Lorraine) / Priscilla Billy (Faculty of Science and Technologies)
17:50	P-59112	Effect of the carbon content and of the hardened state on the corrosion behaviour of cast carbon steels in an acidic aqueous milieu Patrice Berthod (Université de Lorraine) / Manale Belhabib (Faculty of Sciences and Technologies)
17:50	P-59692	Modeling and simulation of corrosion in sheet piling Benamar Balegh (Civil Engineering Department, Sidi Bel Abbes University) / Habib Trouzine (Civil Engineering and Environmental Laboratory, Sidi Bel Abbes University)
17:50	P-61107	The evaluation of photocorrosion of nanostructured ZnO thin films Nur Kicir (Çukurova University) / Tunç Tüken (Çukurova University)
17:50	P-63057	Modeling of time evolution of corroding interface in flow field Kazuhiro Suga (Tokyo University of Science, Suwa)
17:50	P-63112	Mechanism study on effects of hydrogen on pitting of duplex stainless steel by CS-AFM Lijie Qiao (University of Science and Technology Beijing)
17:50	P-63752	Effect of chosen characteristics on corrosion-erosion degradation of the Al-brasses Tatiana Liptakova (University of Žilina) / Martin Lovíšek (University of Žilina) / Milan Malcho (University of Žilina) / Branislav Hadzima (University of Žilina)
17:50	P-65612	In situ observation of corrosion products and surface changes in elevated temperature and pressure solutions using micro-Raman spectroscopy Takashi Doi (Nippon Steel & Sumitomo Metal Corporation)

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17:50	P-66847	Features of iron corrosion in the early stages in bicarbonate solutions with impurity amounts of inorganic anions Maria Sanina (Voronezh State Pedagogical University) / Svetlana Kaluzhina (Voronezh State University) / Natalia Nafikova (Voronezh State University)
17:50	P-70025	Complementary time-frequency analysis of electrochemical noise in corrosion studies by CWT and Hilbert spectra Axel M. Homborg (Netherlands Defence Academy) / P.J. Oonincx (Netherlands Defence Academy) / J.M.C. Arjan Mol (Delft University of Technology)
17:50	P-70687	Semi-solid processing and Nd addition on corrosion of A356 aluminium and AZ91 magnesium alloys Beatriz Mingo (Complutense University of Madrid) / Raul Arrabal (Complutense University of Madrid) / Marta Mohedano (Complutense University of Madrid) / Endzhe Matykina (Complutense University of Madrid) / Peter Skeldon (The University of Manchester) / Angel Pardo (Complutense University of Madrid) / Maria Concepcion Merino (Complutense University of Madrid)
17:50	P-71052	Corrosion behavior of Zn-Mg-Al Alloy Coated Steel Sheets Depending on the Alloy Coating Microstructure Jae-Won Lee (POMIA (Pohang Institute of Metal Industry Advancement)) / Je Ha Shon (POMIA (Pohang Institute of Metal Industry Advancement)) / Min-Suk Oh (POMIA (Pohang Institute of Metal Industry Advancement)) / Sang-Heon Kim (POMIA (Pohang Institute of Metal Industry Advancement))
Antigone		Corrosion and Protection of Magnesium Alloys
17:50	P-52202	Corrosion behavior of flame-resistant Ca-added magnesium alloy in NaCl aqueous solution containing various anion species Mika Tsunakawa (Materials Science and Engineering, Shibaura Institute of Technology) / Ryota Shiratori (Materials Science and Engineering, Shibaura Institute of Technology) / Kae Nakamura (Materials Science and Engineering, Shibaura Institute of Technology) / Takahiro Ishizaki (Department of Materials Science and Engineering, Shibaura Institute of Technology)

Antigone**Environment Sensitive Fracture**

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17:50	P-56882	Study of hydrogen embrittlement for pre-charged margaing steel Jinxu Li (University of Science and Technology Beijing) / Yanjing Su (University of Science and Technology Beijing) / Lijie Qiao (lqiao@mater.ustb.edu.cn) / Hang Yin (lqiao@ustb.edu.cn)
17:50	P-58317	Corrosion-fatigue of carbon steels in seawater: consequences of cyclic elastic and plastic strain on the electrochemical behaviour analysed by a transient corrosion current method Diego Leyser (Mines Saint-Etienne) / Cédric Bosch (Mines Saint-Etienne) / Virginie Querez (Institut de la Corrosion) / Claude Duret-Thual (Institut de la Corrosion) / David Delafosse (Mines Saint-Etienne)

Antigone		Nuclear Corrosion
17:50	P-57182	Corrosion behavior of EP302M SS in high-temperature water and superheated steam Dmitry Marchenkov (NIKIET) / Kirill Shutko (NIKIET)
17:50	P-58972	Evaluation of the long-term anticorrosion property of aluminum thermal spray steel within a hummed atmosphere environment Gen Nakayama (IHI Corporation) / Ippei Shinozaki (Research Laboratory, IHI Corporation)
17:50	P-63402	Development of innovative high temperature cleanup technology for steam generators Victor Yurmanov (JSC NIKIET) / Kirill Shutko (JSC NIKIET) / Evgeny Yurmanov (JSC NIKIET) / Alexandr Polevich (OJSC VTI) / Anastasia Kirillina (OJSC VTI)
17:50	P-64822	Study of the interactions between hydrogen and irradiation-induced defects in 316L stainless steel Anne-Cécile Bach (CEA, DEN, DPC, SCCME, Laboratoire d'Etude de la Corrosion Aqueuse) / Jérôme Crepin (MINES ParisTech, PSL Research University, MAT - Centre des matériaux, CNRS UMR 7633) / Cécilie Duhamel (MINES ParisTech, PSL Research University, MAT - Centre des matériaux, CNRS UMR 7633) / Frantz Martin (CEA, DEN, DPC, SCCME, Laboratoire d'Etude de la Corrosion Aqueuse) / Stéphane Perrin (CEA, DEN, DPC, SCCME, Laboratoire d'Etude de la Corrosion Aqueuse)

Antigone		Cathodic Protection
17:50	P-60507	Investigation of hydrogen sorption and desorption on steel with cyclic voltammetry employing an inverted rotating disk electrode Lorenzo Vecchi (VUB - Vrije Universiteit Brussels) / Berk Ozdirik (VUB - Vrije Universiteit Brussel) / Iris De Graeve (VUB - Vrije Universiteit Brussel) / Herman Terryn (VUB - Vrije Universiteit Brussel) / Yves Van Ingelgem (VUB - Vrije Universiteit Brussel)
Antigone		Cathodic Protection in Marine Environment

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17:50	P-61172	Study of the calcareous formation on galvanized steel by cathodic protection in seawater Marc Jeannin (LaSIE / University of La Rochelle) / Charlotte Carre (PPME / University of New Caledonia) / René Sabot (LaSIE / University of La Rochelle) / Arnaud Serres (PPME / university of New Caledonia) / Peggy Gunkel-Grillon (PPME / University of New Caledonia) / Thomas Quiniou (PPME / University of New Caledonia) / Philippe Refait (LaSIE / university of La Rochelle)
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Antigone		Accelerated Corrosion Testing, Science - Lab & Field
17:50	P-61372	Evaluating the conditions which accelerate the patination of copper in a marine environment. Matthew Kitchen (Sheffield Hallam University) / Oliver Lewis (Sheffield Hallam University)
17:50	P-53117	Required performance and optimization of the accelerated corrosion test for varying field conditions of actual plants Gen Nakayama (IHI Corporation)

Antigone		Corrosion Control in Aerospace
17:50	P-64257	Influence of Cl⁻ ions on the corrosion behavior of anodized aluminum alloy Valentin Dumitrascu (Faculty of Engineering, Dunarea de Jos University of Galati) / Lidia Benea (Faculty of Engineering, Dunarea de Jos University of Galati)
17:50	P-65112	Monitoring macro/micro localised corrosion development and inhibition on AA2024 Reza Parvizi (Deakin University) / Anthony E. Hughes (Deakin University) / Mike Y.J. Tan (Deakin University) / Maria Forsyth (Deakin University)

Antigone		Automotive Corrosion

Antigone		Corrosion of Steel in Concrete
17:50	P-50292	Electrochemical and passivation behavior investigation of stainless steel in simulated concrete environment hong luo (Hohai University) / choafang dong (University of science and technology beijing) / xiaogang li (university of science and technology beijing)
17:50	P-53922	Depassivation of reinforcing steel in concrete structures Sara AlSaadi (Federal Authority for Nuclear Regulation / Khalifa University) / Pyungyeon Cho (Khalifa University) / Yongsun Yi (Khalifa University)
17:50	P-54697	Detecting corrosion inhibitor migration depth in topically-treated concrete using DART-MS Ming Shen (Cortec Corporation) / Marek Domin (2Eugene F. Merkert Chemistry Center, Boston College)
17:50	P-57042	Effect of Cr VI on the passivation of galvanized steel in concrete Tiziano Bellezze (Dept. SIMAU, Università Politecnica delle Marche) / Gabriella Roventi (Dept. SIMAU, Università Politecnica delle Marche) / Romeo Fratesi (Dept. SIMAU, Università Politecnica delle Marche) / Daria Timofeeva (Dept. SIMAU, Università Politecnica delle Marche)

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17:50	P-62582	Permeability of ultra-high performance concrete to corrosion stimulators Milan Kouril (University of Chemistry and Technology, Prague) / Daniel Dobias (Czech Technical University) / Jan Stoulil (University of Chemistry and Technology) / Petr Pokorny (Czech Technical University) / Radka Novakova (University of Chemistry and Technology)
17:50	P-64212	Effectiveness of calcium nitrate as concrete corrosion inhibitor according to ASTM G109-07 Mehrdad Torabzadegan (Yara International ASA) / Roberto Troli (ENCO Srl) / Silvia Collepardi (ENCO Srl) / Wolfram Franke (Yara International ASA)
17:50	P-66962	Mechanical and electrochemical properties of concrete-reforced steel by addition of sugar cane bagasse: study of the alkali-hydrolysis reaction Ana Karen Cardenas (Instituto Politécnico Nacional. Programa de Maestría en Tecnología Avanzada. CICATA-Altamira) / Edgar Onofre-Bustamante (Instituto Politécnico Nacional. CICATA-Altamira.) / Deyanira Del Ángel López (Instituto Politécnico Nacional. CICATA-Altamira.)
17 :50	P-70672	Indoor accelerated corrosion test and marine field test of corrosion-resistant low-alloy steel rebars Liu Ming (Corrosion and Protection Center, University of Science and Technology Beijing) / Li Xiaogang (Corrosion and Protection Center, University of Science and Technology Beijing)

Antigone		Microbial Corrosion
17:50	P-50267	Aerobic Bacteria Induce Corrosion Khalil Mataqi (Kuwait institute for Scientific Research)

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17:50	P-58372	Three types hydrogenases of sulphate reducing bacteria three ways of microbial corrosion development Andriy Pilyashenko-Novokhatny (Open International University of Human Development "Ukraine")
17:50	P-63462	Influence of human bone cells on the bio-corrosion of CoCrMo prosthesis Amandine Impergre (INSA de Lyon, Laboratoire Mateis, Equipe Corrls/I2B) / Bernard Normand (INSA de Lyon, Laboratoire Mateis Equipe Corrls) / Benoit Ter-Ovanesian (INSA de Lyon, Laboratoire Mateis Equipe Corrls) / Christelle Der-Loughian (INSA de Lyon, Laboratoire Mateis Equipe Corrls/I2B) / Laurent Gremillard (INSA de Lyon, Laboratoire Mateis Equipe I2B)
17:50	P-63517	Behavior of cementitious materials exposed to natural freshwater Valentin Georges (Université de Lorraine / Institut Jean Lamour)
17:50	P-68412	Study of microbial corrosion in aluminum alloy (AA2024-T3) by Antarctic microorganisms Claudia Alvarado (Universidad de Santiago de Chile)
17:50	P-70282	Electrochemical Measurements on Corrosion of Welded Structure Vitor Liduino (Federal University of Rio de Janeiro) / Eliana Flavia Sérvulo (Federal University of Rio de Janeiro)

Antigone		Corrosion Reliability of Electronics Devices and Materials
17:50	P-59307	Water layer formation on PCBA surface and corrosion reliability: Effect of solder mask and hygroscopic residues Kamila Piotrowska (Technical University of Denmark) / Morten S. Jellesen (Technical University of Denmark) / Rajan Ambat (Technical University of Denmark)
17:50	P-59512	Corrosion failure analysis of hearing aid battery-spring contacts Visweswara Gudla (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Morten Jellesen (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Rajan Ambat (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark)
17:50	P-60567	Corrosion testing of polyimide coated copper for semiconductor devices Elke Ludwig (Vienna University of Technology)
17:50	P-62257	Visualization of corrosion failures on a PCBA using a gel with colorimetric tin ion indicator Vadimas Verdingovas (Technical University of Denmark (DTU)) / Morten Stendahl Jellesen (Technical University of Denmark) / Rajan Ambat (Technical University of Denmark)
17:50	P-64467	Protection of electronics against corrosion with 3M Novec Electronic Grade Coatings Julie Boizot (3M FRANCE) / Catherine Sol (3M France)

Antigone		Corrosion & Corrosion Protection of Drinking Water Systems
17:50	P-59127	Effect of electrochemical properties of Seoul city's soil on stainless steel Eunhee Park (Seoul Water Institute) / Young-Bog Park (Seoul Water Institute) / Hyun-Don Kim (Seoul Water Institute) / Young-June Choi (Seoul Water Institute) / Yeong-Ho Kim (Posco)

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17:50	P-65282	Anticorrosion protection possibilities in waste waters collecting and conveying systems Doinita Pirvu-Neagu (Engineering Faculty, Dunarea de Jos University of Galati) / Lidia Benea (Engineering Faculty, Dunarea de Jos University of Galati) / Eliza Danaila (Engineering Faculty, Dunarea de Jos University of Galati)
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Antigone		Tribocorrosion
17:50	P-54992	Development of a dynamic model for the description of the triboelectrochemical phenomena Javier Navarro-Laboulais (Universitat Politècnica de València) / Anna Igual-Muñoz (Universitat Politècnica de València) / Salvador C Cardona (Universitat Politècnica de València) / Andrés Rovira (Universitat Politècnica de València) / Alex Roda (Universitat Politècnica de València)
17:50	P-55727	Influence of synovial constituents on tribocorrosion behaviour of Ti-29Nb-13Ta-4.6Zr β titanium alloy in physiological solution Nitin S More (Reactor component group, Nuclear Power Corporation of India Limited) / M Roy (Defence Metallurgical Research Laboratory,) / N Diomidis (Tribology and Interfacial Chemistry Group, Ecole Polytechnique federale de Lausanne (EPFL)) / Stefano Mischler (EPFL)
17:50	P-63267	Experimental approach of tribocorrosion Jean-Pierre Celis (KULeuven)

Antigone		Marine Corrosion
17:50	P-50387	Performance assessment of passive stainless steel as rebars in concrete and as a bare system exposed to marine environment Maria Romero (ACERINOX EUROPA SAU) / Victoria Matres (ACERINOX EUROPA SAU) / Patricia Acosta (ACERINOX EUROPA SAU) / Javier Sanchez (INSTITUTO DE CIENCIAS DE LA CONSTRUCCION EDUARDO TORROJA)
17:50	P-55492	Influence of temperature, Chloride content and microstructure on corrosion behavior of 2209 duplex stainless steel welded joint Hania Hachemi (University of Science and Technology Houari Boumediane (U.S.T.H.B)) / Mohamed Azzaz (University of Science and Technology Houari Boumediane (U.S.T.H.B)) / Mohamed Elamine Djeghal (National Polytechnic School (E.N.P))
17:50	P-64697	Evaluation of corrosion resistance of low alloy carbon steel using electrochemical impedance spectroscopy and field tests Renata Braga Soares (Federal University of Minas Gerais) / Vanessa de Freitas Cunha Lins (Federal University of Minas Gerais) / Maria das Mercês Reis de Castro (Federal University of Minas Gerais)
17:50	P-65727	The behavior of galvanized steel used in specific marine environment Laurentiu Mardare (Engineering Faculty, Dunarea de Jos of Galati) / Lidia Benea (Engineering Faculty, Dunarea de Jos of Galati)

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17:50	P-70882	IMO Performance Standard for Protective Coatings Taegun Kim (KTR) / YJ Kim (KTR)
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Antigone		Corrosion of Archaeological and Historical Artefacts
14:00	P-57367	Outdoor bronze corrosion: nanoscale XPS investigation of silane-based protective coatings Cristina Chiavari (University of Bologna) / Giulia Masi (University of Bologna) / Andrea Balbo (University of Ferrara) / Cecilia Monticelli (University of Ferrara) / Jose Avila (Synchrotron SOLEIL) / Jerome Esvan (Centre Interuniversitaire de Recherche et d'Ingénierie des Matériaux, Université de Toulouse) / Luc Robbiola (TRACES lab (CNRS UMR5608), Université Toulouse Jean-Jaurès) / Elena Bernardi (University of Bologna) / Maria Chiara Bignozzi (University of Bologna) / Maria-Carmen Asensio (University of Bologna) / Carla Martini (University of Bologna)
17:50	P-59477	Preservation of daguerreotypes Jan Svadlena (VSCHT Praha) / Petra Šemíková (FAMU Prague) / Jan Stoullil (VSCHT Prague)
17:50	P-62367	Corrosion protection of metallic archaeological artefacts using parylene based removable barrier coating Lucie Blahova (Brno University of Technology, Faculty of Chemistry) / Jakub Horak (Brno University of Technology Faculty of Chemistry) / Radek Prikryl (Brno University of Technology, Faculty of Chemistry) / Frantisek Krcma (Brno University of Technology, Faculty of Chemistry)
17:50	P-68422	Development of an electrochemical method for quantitative assessment of organic coatings used in conservation of archaeological objects Douglas Mills (University of Northampton) / Tian Lang Lan (University of Northampton) / Katarzyna Schaefer (National Maritime Museum, Gdansk) / Suzanne Kitto (Armouries Museum)

Antigone		Corrosion and Scale Inhibition
17:50	P-50647	Effect of pre-strain on the oxidation behaviour of 304L under oxygen at 850 °C Audrey Col (SIMAP) / Valerie Parry (SIMAP) / Yves Wouters (SIMAP) / Céline Pascal (SIMAP)
17:50	P-55402	Synthesis, quantum chemical calculations and corrosion inhibition efficiency of chitosan Ionic Liquid on API X65 steel surface in acidic environment Elsayed Zaki (Egyptian Petroleum Research Institute) / S.M. Elsaied (Egyptian Petroleum Research Institute) / E.A. Khamis (Egyptian Petroleum Research Institute) / M.A. Migahed (Egyptian Petroleum Research Institute) / A.M. Al-sabagh (Egyptian Petroleum Research Institute)
17:50	P-57092	Protection of equipment for storage and transport with vapor phase corrosion inhibitors Ivan Rogan (Cortecros d.o.o.) / Boris Miksic (Cortec Corporation) / Vesna Alar (Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb) / Ivana Radic Borsic (Cortec Corporation)
17:50	P-60537	Study on the corrosion behavior of metallic copper in aqueous solutions of HNO₃ and HCl and the corrosion inhibiting effects of N and S Sabine Reither (KAI GmbH)

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17:50	P-61152	Evaluation of inhibition behaviour of (2-Aminoethyl)-carbamodithioic acid for steel protection Nur Kicir (Cukurova University) / Mehmet Erbil (Çukurova University) / Tunç Tüken (Çukurova University)
17:50	P-61682	Inhibition of brass corrosion urban rainwater Gokmen Sigircik (Cukurova University) / Gozde Tansug (Cukurova University) / Tunc Tuken (Cukurova University)
17:50	P-61832	Corrosion protection of copper in simulated cooling water Gokmen Sigircik (Cukurova University) / Tunc Tuken (Cukurova University) / Mehmet Erbil (Cukurova University)
17:50	P-62552	Nanocomposite as anticorrosion coat for carbon steel in acidic medium Nazly Hassan (1Composites and Nano Structured Dept., New materials and Advanced Technology Institute, City of Scientific Research and Technology Applications, New Borg Elarab, Alexandria, Egypt.) / Soha Gaballah (2Chemical Engineering Dept., Faculty of Engineering, Alexandria University, Egypt. 3Center of Smart Nanotechnology and Photonics (CSNP), Smart CI Research Center of Excellence, Alexandria University, Egypt.) / Aya Hamed (3Center of Smart Nanotechnology and Photonics (CSNP), Smart CI Research Center of Excellence, Alexandria University, Egypt. 4Engineering Mathematics and Physics Dept., Faculty of Engineering, Alexandria University, Egypt.) / Effat Samir (3Center of Smart Nanotechnology and Photonics (CSNP), Smart CI Research Center of Excellence, Alexandria University, Egypt. 5Electrical Engineering Dept., Faculty of Engineering, Alexandria University, Egypt.) / Nader Shehata (3Center of Smart Nanotechnology and Photonics (CSNP), Smart CI Research Center of Excellence, Alexandria University, Egypt. 4Engineering Mathematics and Physics Dept., Faculty of Engineering, Alexandria University, Egypt. 6USTAR Bioinnovations Center, Utah State University, United States.)
17:50	P-62632	The inhibitory action of cationic surfactant on corrosion behavior of carbon steel during removal of undesirable scale Mohamed Hegazy (Egyptian Petroleum Research Institute) / Ali Abd El-All (Egyptian Petroleum Research Institute (EPRI)) / Mohamed Zaky (Egyptian Petroleum Research Institute (EPRI))
17:50	P-62762	Novel tetrachlorometallate surfactant complexes synthesized by solid-state reaction as corrosion inhibitors for carbon steel in acidic solution Mohamed Hegazy (Egyptian Petroleum Research Institute) / Abd El Fatah Badawi (Egyptian Petroleum Research Institute (EPRI)) / Said Abd El Rehim (Ain Shams University, Faculty of Science, Cairo, Egypt) / Marwa Yehia (Science and Technology Center of Excellence (STCE), Cairo, Egypt)
17:50	P-65912	Evaluation of inulin and aloe vera as green corrosion inhibitors for mild steel in 15% HCl Katy Voisey (University of Nottingham) / Nicola Everitt (The University of Nottingham) / Olorunfemi Ajayi (The University of Nottingham) / Angus Hegarty (The University of Nottingham)

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17:50	P-67512	Corrosion behavior of pure iron in 1M HCl as a function of schiff base concentration and electronics Ahmed Alshamsi (United Arab Emirates University) / Soleiman Hisaindee (United Arab Emirates University)
17:50	P-68197	Evaluation of corrosion inhibition performance of a prepared Quinoline derivative on steel in 1M HCl solution Karim Hussein (Institute of Graduate Studies and Research) / Nazly Hassan (Composites and Nano Structured Dept., New materials and advanced Technology Institute, City of Scientific Research and Technology Applications, New Borg Elarab, Alexandria, Egypt) / Reda M. El-Shishtawy ^{3,4} (Chemistry Dept., Faculty of Science, King Abdulaziz University, P.O. Box 80203, Jeddah 21589, Saudi Arabia. 4 Dyeing, Printing and Textile Auxiliaries Dept., Textile Research Division, National Research Center, Dokki, Cairo, Egypt.) / Nabil A. Abdel Ghany (Electrochemistry and Corrosion Dept., National Research Centre, Cairo, Egypt)
17:50	P-68307	Evaluation of alcoholic extracts of palm kernel cake (<i>Elaeis guineensis</i>) and garlic bark (<i>Allium Savitum</i>) as corrosion inhibitors for carbon steel in hydrochloric acid André de Mendonça Santos (Universidade Estadual de Santa Cruz) / Lhaira Souza Barreto (Universidade Estadual de Santa Cruz) / Isabel Correia Guedes (Universidade de São Paulo) / Hercílio Gomes de Melo (Universidade de São Paulo) / Isolda Costa (Universidade de São Paulo)** / Vera Rosa Capelossi (Universidade Estadual de Santa Cruz)
17:50	P-69740	Zizyphus Lotus as corrosion inhibitor for copper in HCl medium A. Jmiai (Équipe chimie physique appliquée, Laboratoire Matériaux et Environnement Faculté des sciences, Université Ibn Zohr, Cité Dakhla) / B. El Ibrahimy (Équipe chimie physique appliquée, Laboratoire Matériaux et Environnement Faculté des sciences, Université Ibn Zohr, Cité Dakhla) / R. Oukhrib (Équipe chimie physique appliquée, Laboratoire Matériaux et Environnement Faculté des sciences, Université Ibn Zohr, Cité Dakhla) / S. El Issami (Équipe chimie physique appliquée, Laboratoire Matériaux et Environnement Faculté des sciences, Université Ibn Zohr, Cité Dakhla) / L. Bazzi (Équipe chimie physique appliquée, Laboratoire Matériaux et Environnement Faculté des sciences, Université Ibn Zohr, Cité Dakhla)

Antigone		Corrosion in Oil & Gas Production

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17:50	P-50312	Failure analysis of corroded and cracked flare tip of material SS310 in phase 12 gas refinery of South Pars Gas Complex askar soltani (Senior Corrosion Inspector in SPGC (South Pars Gas Complex)) / Koorosh Farzanfar (Head of Mechanical Inspection in SPGC (South Pars Gas Complex)) / Reza Zareie (Head of NDT inspection Department in SPGC (South Pars Gas Complex))
17:50	P-54842	Stress corrosion cracking behaviour of lean duplex stainless steels in the presence of chloride and thiosulphate Federica Zanutto (University of Ferrara/Terra&AcquaTech Laboratory) / Fabrizio Zucchi (University of Ferrara) / Vincenzo Grassi (University of Ferrara/Terra&AcquaTech Laboratory) / Andrea Balbo (University of Ferrara/Terra&AcquaTech Laboratory) / Cecilia Monticelli (University of Ferrara/Terra&AcquaTech Laboratory) / Alessandro Frignani (University of Ferrara)
17:50	P-55377	Fundamental investigations of sour oilfield corrosion Hadeel Hussain (University of Manchester) / Matthew Acres (University of Manchester) / Chris Muryn (University of Manchester) / Robert Lindsay (University of Manchester)
17:50	P-55512	Influence of environmental factors on the corrosion behavior and the passivity of a 2209 duplex stainless steel welded joint Hania HACHEMI (University of Science and Technology Houari Boumediane (U.S.T.H.B)) / Mohamed AZZAZ (University of Science and Technology Houari Boumediane (U.S.T.H.B)) / Mohamed Elamine DJEGHLAL (National Polytechnic School (E.N.P))
17:50	P-56032	Inhibiting corrosion in transport pipelines by VpCI additives to crude oil Sanja Martinez (University of Zagreb, Faculty of Chemical Engineering and Technology) / Boris Mikšić (Cortec Corporation) / Ivan Rogan (CoreCros) / Antonio Ivanković (University of Zagreb, Faculty of Chemical Engineering and Technology)
17:50	P-59347	Evaluation and optimization of sol-gel coatings for oil and gas applications Tiphaine Lutzler (University of Leeds) / Thibaut Charpentier (University of Leeds) / Heike Schneider (EPG AG-Succursale France) / Stefan Pfeifer (EPG AG-Succursale France) / Anne Neville (University of Leeds)
17:50	P-61347	The Field Kelvin Probe for contactless detection of corrosion potentials: capabilities and implementation Bård Henriksen (Christian Michelsen Research A/S) / Inge Klepsvik (Christian Michelsen Research A/S) / Michael Rohwerder (Max-Planck-Institut für Eisenforschung GmbH) / Florin Turcu (Christian Michelsen Research A/S)
17:50	P-64897	Tactics to control corrosion under insulation Montaser Al Mubayid (Saudi aramco) / Salman Al Dossary (Saudi Aramco)
17:50	P-68887	Services for pipeline operators within the ESA Space Situational Awareness Space Weather Service Network Erwin De Donder (Belgian Institute for Space Aeronomy) / Michel Kruglanski (Belgian Institute for Space Aeronomy) / Alexi Glover (European Space Operation Centre) / Dániel Martini (Norwegian Center for Space Weather)

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17:50	P-69645	The corrosion resistance of casing pipes used in the shalegas production systems Anna Dobkowska (Warsaw University of Technology, Faculty of Materials Science and Engineering) / Ewa Ura-Binczyk (Warsaw University of Technology, Faculty of Materials Science and Engineering) / Jaroslaw Mizera (Warsaw University of Technology, Faculty of Materials Science and Engineering) / Krzysztof Jan Kurzydowski (Warsaw University of Technology, Faculty of Materials Science and Engineering) / Boguslaw Mazurkiewicz (University of Science and Technology, Faculty of Foundry Engineering) / Wojciech Solarski (University of Science and Technology, Faculty of Foundry Engineering) / Jacek Banas (University of Science and Technology, Faculty of Foundry Engineering)

Antigone		Corrosion of Polymer Materials
17:50	P-50962	Comparison of the environmental stress cracking behaviour of polyethylene and polyethylene terephthalate as materials for dangerous goods packagings Margit Weltschew (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Stefanie Schwarzer (Bundesanstalt für Materialforschung und -prüfung (BAM)) / Mario Eiben (Bundesanstalt für Materialforschung und -prüfung (BAM))
17:50	P-66032	Media influence on the thermo-calorimetric behaviour of polyamides Denise Oelzant (Montanuniversität Leoben) / Peter Guttmann (Montanuniversität Leoben) / Gerald Pilz (Montanuniversität Leoben)
17:50	P-67212	Thermo-mechanical and long term creep behaviour of polymer foams in mineral oil Peter Guttmann (Montanuniversität Leoben) / Paul Hofer (Montanuniversität Leoben) / Gerald Pilz (Montanuniversität Leoben)
17:50	P-70100	Diffusion-Controlled Staining and Degradation of Organic Coatings Alexandra Eder (voestalpine Stahl GmbH) / Roland Braidt (voestalpine Stahl GmbH) / Bernhard Strauss (voestalpine Stahl GmbH) / Sabine Hild (Institute of Polymer Science Johannes Kepler University) / Christian Paulik (Institute for Chemical Technology of Organic Materials Johannes Kepler University)

Antigone		Corrosion in the Refinery Industry

Antigone		Corrosion by Hot Gases and Combustion Products

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17:50	P-61632	High temperature oxidation behaviour of cast Ni-based chromium-rich alloys reinforced by titanium carbides Patrice Berthod (Université de Lorraine) / Mira Khair (Faculty of Science and Technologies)
17:50	P-63167	Effect of the nanostructuration of skutterudite materials on their oxidation behaviours Patrice Berthod (Université de Lorraine) / Richard Drevet (Institut Jean Lamour) / Lionel Aranda (Institut Jean Lamour) / Mohamed Benyahia (ICMPE-CMTR) / Driss Kenfau (Institut Jean Lamour) / Philippe Masschelein (Institut Jean Lamour) / Carine Petitjean (Institut Jean Lamour) / Delphine Veys-Renaux (Institut Jean Lamour) / Nicolas David (Institut Jean Lamour) / Judith Monnier (ICMPE-CMTR) / Anne Dauscher (Institut Jean Lamour) / Eric Alleno (ICMPE-CMTR)
17:50	P-65212	The development of a probe for continuous monitoring of the dew point of combustion products in energy boilers Hruska Jan (SVUM a.s.) / Jakub Mlnarik (SVUM a.s.)

Antigone		Coatings for High Temperatures
17:50	P-56122	Process for producing of a pre-ceramic polymer coating with highly efficient protection against high-temperature corrosion of a commercial AISI 304 stainless steel Frederic Riffard (LVEEM - EA 3864) / Eva Joannet (LVEEM - EA 3864) / Henri Buscail (LVEEM - EA 3864) / Raphaël Rolland (LVEEM - EA 3864) / Sébastien Perrier (LVEEM - EA 3864)
17:50	P-56337	Behavior of thermally sprayed coatings exposed to high temperature hot corrosion environment Schubert Jan (Research and Testing Institute Plzen) / Zdeněk Česánek (Research and Testing Institute Plzen)
17:50	P-66982	Influence of CeO₂ coatings on the oxidation of nickel polycrystals Nacer Halem (Université Mouloud Mammeri) / Zohra Halem (Université Mohand Oulhadj) / Nassima Mahiouz (Université Mouloud Mammeri) / Saïd Chekroude (Université Mentouri) / Georgette Petot-Ervas (Ecole Centrale de PARIS)
17:50	P-69085	Ni-base coatings for high temperature corrosion control Monika Solecka (Department of Surface Engineering and Materials Characterisation, Faculty of Metals Engineering and Industrial Computer Science, AGH University of Science and Technology) / Agnieszka Kopia (Department of Surface Engineering and Materials Characterisation, Faculty of Metals Engineering and Industrial Computer Science, AGH University of Science and Technology) / Kazimierz Kowalski (Department of Surface Engineering and Materials Characterisation, Faculty of Metals Engineering and Industrial Computer Science, AGH University of Science and Technology) / Agnieszka Radziszewska (Department of Surface Engineering and Materials Characterisation, Faculty of Metals Engineering and Industrial Computer Science, AGH University of Science and Technology) / Jan Kusiński (Department of Surface Engineering and Materials Characterisation, Faculty of Metals Engineering and Industrial Computer Science, AGH University of Science and Technology)

Antigone		Corrosion Issues for Renewable Energies
17:50	P-53127	Electrochemical study of passive films formed on welded lean duplex stainless steel by Mott-Schottky analysis Dalila Sicupira (Universidade Federal de Minas Gerais)

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17:50	P-62987	AISI 317L and SAF 2304 steels corrosion resistance in acidified glycerin containing chloride medium from biodiesel plant Fernanda Menezes (Federal University of Minas Gerais) / Maria Castro (Federal University of Minas Gerais) / Vanessa Lins (Federal University of Minas Gerais)
17:50	P-63627	Corrosion behavior of stainless steels in biodiesel plant fluids Layane Silva (Federal University of Minas Gerais) / Maria Castro (Federal University of Minas Gerais) / Vanessa Lins (Federal University of Minas Gerais)

Antigone		Surface Preparation Issues Related to Corrosion Protection Performance
17:50	P-63507	Surface preparation issues related to corrosion protection performance Hendrik Müller (Helmut Müller GmbH)

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Auditorium Pasteur	Plenary Session
8:40	Poster Prize Award Announcement
8:45	Plenary Lecture Some contemporary aspects of aluminium alloy corrosion Nick Birbilis (Department of Materials Science and Engineering, Faculty of Engineering, Monash University)
9:30	Break for Changing Lecture Hall

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Rondelet		Organic Coatings
Chair(s)		W. Furbeth / L. Fedrizzi
9:40	O-53452	On the importance of the chemical interface between organic coatings and metals Herman Terryn (Vrije Universiteit Brussel, Research Group Electrochemical Surface Engineering) / Tom Hauffman (<i>idem</i>) / Sven Pletincx (<i>idem</i>) / Kristof Marcoen (<i>idem</i>) / Abrahami Shoshan (Delft University of Technology, Department of Materials Science and Engineering) / Laura-Lynn Fockaert (<i>idem</i>) / Arjan Mol (<i>idem</i>)
10:00	O-68072	Chitosan: a smart bio-based coating for metal protection against corrosion Clement Coquery (ICGM) / Ghislain David (<i>idem</i>) / Claire Negrell (<i>idem</i>) / Nadine Pébère (CIRIMAT)
10:20	O-68022	Li redistribution from inhibited primers for defect protection Anthony Hughes (Institute for Frontier Materials) / Peter Visser (Delft University of Technology) / James Laird (CSIRO Minerals Resources) / Chris Ryan (<i>idem</i>) / Herman Terryn (Delft University of Technology) / Johannes Mol (Technical University of Technology)
10:40		Coffee Break
Rondelet		Organic Coatings
Chair(s)		S. Touzain / F. Deforian
11:10	O-66077	Performance of polyolefin coatings - the relation between polymer structure and coating properties Henk Vugteveen (Seal for Life)
11:30	O-64197	Grafting catanionics micro-crystals as coating corrosion inhibitors on 9% chromium steel Thomas Zemb (Institut de Chimie Separative de Marcoule) / Damien Feron (CEA)
11:50	O-61442	Investigations on new zinc phosphate platelet containing highly structured corrosion protection coatings on mild steel Carsten Becker-Willinger (INM - Leibniz Institute for New Materials) / Marlon Jochum (<i>idem</i>) / Sener Albayrak (<i>idem</i>) / Emilie Perre (<i>idem</i>)
12:30		Lunch
Rondelet		Organic Coatings
Chair(s)		S. Touzain / F. Deforian
14:00	O-54227	Corrosion protection of offshore wind structures Astrid J. Bjorgum (SINTEF Materials and Chemistry) / Ole Øystein Knudsen (<i>idem</i>) / Hanno Schnars (Fraunhofer-Institute for Wind Energy and Energy System Technology IWES Northwest) / Sibö Buter (Endures) / Harald van der Mijle Meijer (TNO)
14:20	O-59272	Improved adhesion and corrosion protection using novel waterborne binders Stefano Chimenti (POLYMAT, University of the Basque Country UPV/EHU, Joxe Mari Korta Zentroa) / Jesús Manuel Vega (Metallic Surfaces Unit, IK4-CIDETEC) / Miren Aguirre (POLYMAT, University of the Basque Country UPV/EHU, Joxe Mari Korta Zentroa) / Eva García Lecina (Metallic Surfaces Unit, IK4-CIDETEC) / Maria Paulis (POLYMAT, University of the Basque Country UPV/EHU, Joxe Mari Korta Zentroa) / Jose Ramón Leiza (<i>idem</i>)

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14:40	O-56632	Electrophoretic acrylic paints with different colour pigments concentrations Stefano Rossi (University of Trento) / Luiz G. Ecco (<i>idem</i>) / Michele Fedel (<i>idem</i>) / Flavio Deflorian (<i>idem</i>)
15:00	O-63432	Comparison of anticorrosive coating systems' behavior in laboratory tests and after 10 to 20 years of use on steel bridges Agnieszka Krolikowska (Road and Bridge Research Inst.) / Leszek Komorowski (<i>idem</i>) / Małgorzata Zubielewicz (Institute for Engineering of Polymer Materials and Dyes, Paint and Plastics Department) / Anna Ślusarczyk (<i>idem</i>) / Grażyna Kamińska-Bach (<i>idem</i>)
15:20	O-68875	Glycidyl-POSS cages as a key component for the preparation of water-based epoxy / POSS nanocomposite coatings FX Perrin (Laboratoire MAPIEM EA 4323 - Université de Toulon) / A Margaillan (<i>idem</i>) / N Chaoui (<i>idem</i>)
15:40	Coffee Break	
Rondelet	Organic & Inorganic Coatings	
	Chair(s)	J. Fernandes / A. Krolikowska
16:10	O-56372	Influence of pigment rate on degradation of anticorrosion polymer coatings under ageing factors Coralie Vosgien Lacombe (Laboratoire des Sciences de l'Ingénieur pour l'Environnement) / Stéphane Cohendoz (<i>idem</i>) / Quang-Dao Trinh (<i>idem</i>) / Xavier Feaugas (<i>idem</i>) / Stéphanie Mallarino (<i>idem</i>) / Sébastien Touzain (<i>idem</i>)
16:30	O-51657	Evaluation of durability of petrolatum lining under marine environment Masahiko Hoshino (Nakabohtec Co., Ltd. / Toyohashi University of Technology) / Masahiro Fukumoto (Toyohashi University of Technology) / Yukihiro Matsumoto (<i>idem</i>)
16:50	O-61302	Influence of nanoparticles on corrosion resistance of polysiloxane-based coatings Laura Vivar Mora (NSIRC) / Sanjeev Naik (TWI Ltd.) / Anne Neville (University of Leeds) / Richard Barker (University of Leeds) / Aurelie Rexach (TWI Ltd.)
17:10	O-54342	Development of Nanoparticulate Coatings for High-Strength Steel Alloys during the Press Hardening Process Volodymyr Kuznetsov (DECHEMA-Forschungsinstitut) / Britta Tigges (<i>idem</i>) / Sigrid Benfer (<i>idem</i>) / Mehdi Yekehtaz (<i>idem</i>) / Wolfram Fürbeth (<i>idem</i>)
19:30	Departure for the Congress Dinner	

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Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		J.M.C. Arjan Mol
9:40	O-68137	Influence of zirconium-based conversion treatment on dry and wet adhesion of carbon steel-fusion bonded epoxy coating systems Majid Sababi (TU Delft) / Herman Terryn (Vrije Universiteit Brussel) / Arjan Mol (Delft University)
10:00	O-59377	Influence of inorganic components in organic coating on the corrosion protection of galvanized steel Yanwen Liu (The University of Manchester) / Xiaorong Zhou (<i>idem</i>) / Stuart Lyon (<i>idem</i>) / Teruo Hashimoto (<i>idem</i>) / Reza Emad (<i>idem</i>) / Simon Gibbon (AkzoNobel) / Derek Graham (<i>idem</i>) / Dave Francis (<i>idem</i>)
10:20	O-58007	Electrochemical approach for the definition of the Pedferri's diagrams of stainless steels Arash Azimi Dastgerdi (Politecnico di Milano) / Fabio Maria Bolzoni (<i>idem</i>) / Andrea Brenna (<i>idem</i>) / Gabriele Fumagalli (<i>idem</i>) / Marco Ormellesse (<i>idem</i>) / Maria Pia Pedferri (<i>idem</i>)
10:40		Coffee Break
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		K. Fushimi
11:10	O-57582	Degradation mechanisms of thin silver layers protected by oxide films Emna Limam (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Vincent Maurice (<i>idem</i>) / Antoine Seyeux (<i>idem</i>) / Sandrine Zanna (<i>idem</i>) / Lorena Klein (<i>idem</i>) / Catherine Grezès-Besset (Compagnie Industrielle des Lasers (CILAS)) / Isabelle Savin de Larclause (Centre National d'Etudes Spatiales (CNES)) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
11:30	O-53652	Corrosion behaviour of thermally aged duplex stainless steel containing micro- and nano-(Cr, Fe)₂N particles studied using capillary techniques, atomic force microscopy and potentiostatic pulse testing method. Paulina Erasmus-Vignal (SATT Grand Est) / Vincent Vignal (CNRS / ICB CNRS - Univ de Bourgogne) / Saghi Saedlou (APERAM R&D) / Florent Krajcarz (<i>idem</i>)
11:50	O-50532	Critical Pitting Temperature (CPT) determination from potentiodynamic polarization tests of a duplex stainless steel. Daniella Caluscio dos Santos (FEI University - Materials Engineering Department) / Daniel Abed de Andrade (<i>idem</i>) / Rodrigo Magnabosco (<i>idem</i>)
12:10	O-65622	Comparing critical pitting temperatures of stainless steels measured electrochemically in NaCl and MgCl₂ solutions Kristina Lund (Sandvik Materials Technology) / Anna Delblanc (<i>idem</i>) / Anna Iversen (<i>idem</i>)
12:30		Lunch
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		B. Normand
14:00	O-53677	Influence of copper addition on the passivity and on the pitting corrosion resistance of super duplex stainless steel Jocelin Poinot (ArcelorMittal Global R&D - ICB CNRS Univ de Bourgogne) / Vincent Vignal (CNRS / ICB CNRS-Univ de Bourgogne) / Sandra Le Manchet (ArcelorMittal, Global R&D)
14:20	O-65527	Crevice corrosion of a 13Cr stainless steel induced by contact with the carbon Ryotaro Yamamoto (EBARA Corporation) / Hiroshi Yakuwa (<i>idem</i>) / Takashi Sugaya (<i>idem</i>) / Jun'ichi Sakai (Waseda University)
14:40	O-62062	Correlation between corrosion and microstructure of ferritic-martensitic steel: A multidisciplinary approach Thomas Remmerswaal (Delft University of Technology) / Maria J. Santofimia (<i>idem</i>) / Yaiza Gonzalez-Garcia (<i>idem</i>)

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15:00	O-53342	Influence of grain size on the corrosion resistance of lean duplex DX2202 Charles David (Aperam R&D, Stainless Europe Research Center) / Fiona Ruel (Aperam R&D, Stainless Europe Research Center) / Florent Krajcarz (<i>idem</i>) / Saghi Saedlou (<i>idem</i>)
15:20	O-54017	Exploration of microstructure and surface composition on corrosion initiation of a Cu-Al-Zn alloy Tingru Chang (KTH Royal Institute of Technology Div. Surface and Corrosion Science) / Ying Jin (University of Science and Technology Beijing) / Christofer Leygraf (KTH Royal Institute of Technology Div. Surface and Corrosion Science) / Inger Odnevall Wallinder (<i>idem</i>)
15:40 Coffee Break		
Barthez Corrosion Mechanisms, Methods and Modelling		
Chair(s) <i>R. Oltra</i>		
16:10	O-56497	Investigation of corrosion behavior of SSM-HPDC aluminum-silicon alloys Maryam Eslami (Department of Industrial Engineering, University of Trento) / Flavio Deflorian (<i>idem</i>) / Mostafa Payandeh (Department of Materials and Manufacturing, School of Engineering, Jönköping University) / Anders E. W. Jarfors (<i>idem</i>) / Caterina Zanella (<i>idem</i>)
16:30	O-57627	Complementary use of EIS, Odd-Random-Phase EIS and Electrochemical Noise Measurements to study corrosion systems. Mats Meeusen (Delft University of Technology) / A.M. Homborg (Netherlands Defence Academy) / B. Boelen (Tata steel research development and technology) / H. Terry (Vrije Universiteit Brussel) / J.M.C Mol (Delft University of Technology)
16:50	O-61062	The development of a sensors based technology for remote monitoring, prediction and optimisation of structural failure parameters Mian Hammad Nazir (Bournemouth university) / Zulfiqar Khan (<i>idem</i>)
17:10	O-52497	Evaluation of corrosion products and trends in corrosion rates for aluminum exposed at different atmospheric environments in Europe Johan Tidblad (Swerea KIMAB) / Dominique Thierry (Institut de la Corrosion)
19:30 Departure for the Congress Dinner		

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Joffre C+D		Nuclear Corrosion
Chair(s)		<i>D. Féron / S. Ritter</i>
9:40	K-70215	Coriou Award Lecture (Keynote) Contribution of research to the understanding and mitigation of Environmentally-Assisted Cracking (EAC) in structural components in light water reactors David R Tice (Amec Foster Wheeler)
10:20	O-69515	Corrosion mechanism of iron in liquid uranium hexafluoride environment Mickaël Achour (AREVA, Hall de Recherche de Pierrelatte, Chemistry and enrichment division) / Laure Martinelli (CEA, DEN, DANS, DPC, SCCME, Laboratoire de Modélisation, de Thermodynamique et de Thermochimie) / Sylvie Chatain (CEA, DEN, DANS, DPC, SCCME, Laboratoire de Modélisation, de Thermodynamique et de Thermochimie) / Laurent Jouffret (Institut de Chimie de Clermont Ferrand, Campus des Cézeaux) / Pierre Bonnet (Institut de Chimie de Clermont Ferrand, Campus des Cézeaux) / Ania Selmi (AREVA, Hall de Recherche de Pierrelatte, Chemistry and enrichment division) / Bertrand Morel (AREVA, Hall de Recherche de Pierrelatte, Chemistry and enrichment division) / Cédric David (CEA, DTEC, SGCS, LMAC, Laboratoire de Métallographie et d'Analyse Chimique) / Sylvie Delpeche (Institut de Physique Nucléaire)
10:40		Coffee Break
Joffre C+D		Nuclear Corrosion
Chair(s)		<i>M. Le Flem / A. Bellefleur</i>
11:10	O-51542	Corrosion characterization of ultrathin film formed on zirconium Aneta Krausová (UCT Prague)
11:30	O-50507	Using tapered specimen to study the effect of hydrogen on SCC initiation in Alloy 182 under BWR condition Juxing Bai (Paul Scherrer Institut) / Stefan Ritter (Paul Scherrer Institut) / Hans-Peter Seifert (Paul Scherrer Institut) / Sannakaisa Virtanen (Friedrich-Alexander-Universität Erlangen-Nürnberg)
11:50	O-58042	The investigation of the uptake mechanism of hydrogen in steel by Cyclic Voltammetry (CV) Berk Ozdirik (PhD Student/ Vrije Universiteit Brussel) / Kitty Baert (Ing./ Vrije Universiteit Brussel) / Lorenzo Vecchi (PhD Student/ Vrije Universiteit Brussel) / Jean Vereecken (Professor/Vrije Universiteit Brussel) / Herman Terryn (Professor/Vrije Universiteit Brussel) / Kim Verbeken (Professor/ Ghent University (UGent)) / Iris De Graeve (Professor/ Vrije Universiteit Brussel)
12:10	O-55117	Chromium depleted zone in nickel base alloy: experimental study of chromium diffusion between 350°C and 500°C Josiane Nguejio (CEA, DEN, DPC, SCCME, Laboratoire D'Etude De La Corrosion Aqueuse) / Jérôme Crépin (MINES ParisTech, PSL - Research University, MAT - Centre Des Matériaux) / Cécilie Duhamel (MINES ParisTech, PSL - Research University, MAT - Centre Des Matériaux) / Catherine Guerre (CEA, DEN, DPC, SCCME, Laboratoire D'Etude De La Corrosion Aqueuse) / François Jomard (Laboratoire GEMaC, UMR 8635 CNRS - Université De Versailles)
12:30		Lunch
Joffre C+D		Nuclear Corrosion Mechanisms
Chair(s)		<i>D. Féron / S. Ritter</i>
14:00	K-70255	Keynote Lecture Accumulation of hydrogen at metal/oxide interface and its implication to oxidation acceleration and ageing degradation of energy conversion components Tetsuo Shoji (Frontier Research Initiative, New Industry Creation Hatchery Center, Tohoku University) / Jian X (Frontier Research Initiative, New Industry Creation Hatchery Center, Tohoku University)

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14:30	K-68402	Keynote Lecture The in-situ scratching repassivation behavior of steam generator tube material in high-temperature pressurized water En-hou Han (Institute of Metal Research Chinese Academy of Sciences)
15:00	O-58787	Effect of heat treatment on residual stresses, dislocation density and stress corrosion cracking susceptibility of 304L steel in high temperature water Aida Liliana Medina Almazan (Instituto Nacional de Invstigaciones Nucleares) / Natali Lopez Garcia (Instituto Nacional de Investigaciones Nucleares) / Gonzalo Galicia Aguilar (Instituto de Ingeniría/Universidad Veracruzana)
15:20	O-60057	Helium effects on irradiation assisted stress corrosion cracking Ignasi Villacampa Roses (Paul Scherrer Institut) / Jia Chao Chen (Paul Scherrer Institute) / Philippe Spatig (Paul Scherrer Institute) / Hans Peter Seifert (Paul Scherrer Institute) / Florian Duval (CEMHTI/CNRS, Université d'Orléans)
15:40		Coffee Break
Joffre C+D		Nuclear Corrosion
Chair(s) <i>N. Smart / S. Uchida</i>		
16:10	O-52357	High-Temperature Water Effects on the Fracture Behaviour of Low-Alloy RPV Steels Zaiqing Que (Paul-Scherrer Institut) / Sudhakar-Rao Gorja (Paul-Scherrer Institut) / Hans-Peter Seifert (Paul-Scherrer Institut) / Philippe Spatig (Paul-Scherrer Institut) / Stefan Ritter (Paul-Scherrer Institut)
16:30	O-59707	Study of the effect of intergranular carbides in the behavior to stress corrosion cracking of Alloy 690 in supercritical water Alberto Sáez-Maderuelo (CIEMAT) / Dolore Gómez Briceño (CIEMAT) / César Maffiotte (CIEMAT) / Francisco Javier Perosanz (CIEMAT)
16:50	O-52057	The role of grain boundary oxidation in the intergranular cracking of Alloy 600 exposed to PWR primary water Yun Soo Lim (Korea Atomic Energy Research Institute)
17:10	O-65952	Mitigation of crack initiation in LWRs (MICRIN+) Steffen Berger (AREVA GmbH) / Renate Kilian (AREVA GmbH) / Ulla Ehrnsten (VTT) / Rik-Wouter Bosch (SCK-CEN) / Stefan Ritter (PSI) / Francisco-Javier Perosanz (CIEMAT)
17:30	O-62667	Ceramic materials used in the generation IV. Reactors: microstructure evaluation after exposure to SCW Daniela Marusakova (Research Centre Rez) / Petra Bublíková (Research Centre Rez) / Jan Berka (Research Centre Rez)
17:50	O-61267	Influence of liquid sodium on the mechanical behaviour of structural materials: sensitivity to liquid metal embrittlement Ingrid Proriot Serre (Unité Matériaux Et Transformations, UMR CNRS-ENSCL-INRA-Université Lille 1) / Jean-Bernard Vogt (Unité Matériaux Et Transformations, UMR CNRS-ENSCL-INRA-Université Lille 1)
19:30		Departure for the Congress Dinner

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Sully 1		Cathodic Protection in Marine Environment
Chair(s)		<i>J. Crouzillac / A.-M. Grolleau</i>
9:40	O-65987	Numerical modelling of cathodic protection in confined areas using PROCOR software Nadège Ducommun (CETIM) / Guimin Shi (CETIM) / Laure Florimont (ALSTOM HYDRO France) / Philippe Refait (LASIE) / Anne-Marie Grolleau (DCNS)
10:00	O-68002	Internal cathodic protection of offshore sea water pump caissons John Baynham (CM BEASY Ltd) / Brian Wyatt (Corrosion Control) / Timothy Froome (CM BEASY Ltd) / Robin Jacob Jacob (The CP Consultancy Ltd)
10:20	O-51447	The calcareous deposit formed under cathodic polarization as a contaminant monitoring device in seawater Charlotte CARRE (Université de la Nouvelle Calédonie) / Arnaud SERRES (Université de la Nouvelle Calédonie) / Peggy GUNKEL GRILLON (Université de la Nouvelle Calédonie) / Marc JEANNIN (Université de La Rochelle) / René SABOT (Université de La Rochelle)
10:40		Coffee Break
Sully 1		Cathodic Protection of Steel in Concrete
Chair(s)		<i>J. Crouzillac / M. Raupach</i>
11:10	K-55457	Keynote Lecture Impressed current cathodic prevention of steel in concrete – recent new Built Projects feed-back Hugues BOIS (SAIPEM) / Mathieu MOREAU (SAIPEM)
11:50	O-64102	Cathodic protection by PCCI on jetty in corsica Olivier LESIEUTRE (FREYSSINET FRANCE) / Xavier HALLOPEAU (FREYSSINET INTERNATIONAL) / Arnaud MEILLIER (FREYSSINET FRANCE)
12:10	O-52302	Cathodic protection in reinforced concrete structure: a discussion of the significance of the protection criteria Raoul Francois (INSA - LMDC) / Elie Sassine (INSA - LMDC) / Stéphane Laurens (INSA - LMDC) / Erick Ringot (LR Vision)
12:30		Lunch
Sully 1		Cathodic Protection of Steel in Concrete
Chair(s)		<i>J. Crouzillac / M. Raupach</i>
14:00	O-68595	Modelling cathodic protection/ prevention of reinforcement in concrete Andres Peratta (C.M BEASY Ltd) / John Baynham (C.M BEASY Ltd) / Tim Froome (C.M BEASY Ltd)
14:20	O-67702	New aproaches in monitoring systems for cathodic protection Hernani Esteves (Ed. Züblin AG)
14:40	O-63492	Development of a new impressed current anode for cathodic protection of rebars in concrete Xavier Hallopeau (FREYSSINET INTERNATIONAL & CIE) / Christian Tourneur (FREYSSINET INTERNATIONAL & CIE)
15:00	O-52432	Durability of technical textiles embedded in Mortar for cathodic corrosion protection Amir Asgharzadeh (Institute of Building Materials Research) / Michael Raupach (Institute of Building Materials Research)
15:20	O-64345	A novel type of discrete galvanic zinc anodes for the prevention of incipient anodes induced by patch repair W. Schwarz (CAS Composite Anode Systems GmbH) / M. Bakalli (Sika Technology AG) / M. Donadio (Sika Services AG)
15:40		Coffee Break
19:30		Departure for the Congress Dinner

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Wednesday 14 September 2016

Barcelona		Automotive Corrosion
Chair(s)		<i>E. Szala / B. Normand</i>
9:40	O-69840	Digital tools to predict automotive corrosion Laurent Rougier (Renault technocentre)
10:00	O-69845	Numerical simulation for carbon-aluminum galvanic corrosion under a saltwater film Kenji Amaya (Tokyo Institute of Technology) / Koichi Masuya (Tokyo Institute of Technology) / Yuki Onishi (Tokyo Institute of Technology)
10:20	O-57457	Numerical prediction of liquid film formation during accelerated corrosion tests: comparison with experiments Nils Van den Steen (Vrije Universiteit Brussel) / Johan Deconinck (Vrije Universiteit Brussel)
10:40		Coffee Break
Barcelona		Automotive Corrosion
Chair(s)		<i>E. Szala / B. Normand</i>
11:10	O-56352	Time-resolved data and particle deposition collection techniques for accelerated corrosion tests and mobile corrosion exposure tests Bo Rendahl (Swerea KIMAB AB) / Johan Tidblad (Swerea KIMAB AB) / Andrew Gordon (Swerea KIMAB AB)
11:30	O-51827	Overview and summary of the results of a three-year long term study of corrosion-climatic stresses in an entire vehicle in a real-world use cycle Christoph Jahn (Technische Universität Dresden) / Günther Prokop (TU Dresden, Chair of Automotive Engineering)
11:50	O-69835	Alkaline resistance of anodized parts for automotive industry Jan-Olov Nilsson (Sapa Technology) / Magnus Gustavsson (Sapa Technology) / Tomas Johansson (Sapa Technology) / Joakim Oxelbark (Sapa Technology) / Annica Crispin (Sapa Technology)
12:10	O-55607	Influence of de-icing salt chemistry on the corrosion behavior of AA6016 Ine Schoukens (Toyota Motor Europe, Material Engineering Department) / Francesca Cavezza (Toyota Motor Europe, Material Engineering Department / Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Jose Cerezo (Experis Belgium commissioned by Toyota Motor Europe) / Veronique Vandenberghe (Toyota Motor Europe, Material Engineering Department) / Visweswara Chakravarthy Gudla (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Rajan Ambat (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark)
12:30		Lunch
Barcelona		Automotive Corrosion
Chair(s)		<i>E. Szala / L. Rougier</i>
14:00	O-66952	Corrosion protection of automotive brake lines tubing using Zn-Al coatings deposited by magneto-hydrodynamic (MH) techniques. Jose R. Flores (Cooper Standard Automotive)
14:20	O-56012	The corrosion properties of zinc coated boron steel for the direct press hardening process Martin Jönsson (Gestamp)
14:40	O-54727	Corrosion rate monitoring of automotive materials under perforation and open conditions Frédéric Lédan (Institut de la corrosion)

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Joffre 5 Microbial Corrosion of Steel in Concrete		
Chair(s) F. Feugeas		
9:40	K-70225	Keynote Lecture Steel corrosion in reinforced concrete structures: present and future standards and preventive measures Bruno Godart, François Toutlemonde (IFSTTAR, Materials and Structures Department)
10:20	O-60847	Characterization of a steel rebar in the cathodic domain by simultaneous measurements of surface reflectivity and electrochemical impedance spectroscopy Vincent Vivier (LISE - UMR 8235) / Sara Chakri (LISE) / Patel A.N. (Sorbonne Paris Cité, Paris Diderot University, Interfaces, Traitements, Organisation et Dynamique des Systèmes Laboratory) / Isabelle Frateur (Sorbonne Universités, UPMC Univ Paris 06, CNRS, Laboratoire Interfaces et Systèmes Electrochimiques) / F. Kanoufi (Sorbonne Paris Cité, Paris Diderot University, Interfaces, Traitements, Organisation et Dynamique des Systèmes Laboratory) / E. Sutter (Sorbonne Universités, UPMC Univ Paris 06, CNRS, Laboratoire Interfaces et Systèmes Electrochimiques) / Bernard Tribollet (<i>idem</i>)
10:40 Coffee Break		
Joffre 5 Microbial Corrosion of Steel in Concrete		
Chair(s) F. Feugeas		
11:10	O-63932	Electrochemical behaviour of carbon steel reinforcement in alkaline solution: the importance of steady-state measurement Sara Chakri (Sorbonne Universités, UPMC Univ Paris 06, CNRS, Laboratoire Interfaces et Systèmes Electrochimiques) / Isabelle Frateur (<i>idem</i>) / Eliane Sutter (<i>idem</i>) / Bernard Tribollet (<i>idem</i>) / Vincent Vivier (<i>idem</i>)
11:30	O-63982	Corrosion behaviour of carbon steel reinforcement in simulated concrete pore solutions: Influence of a bio-additive Sara Chakri (Sorbonne Universités, UPMC Univ Paris 06, CNRS, Laboratoire Interfaces et Systèmes Electrochimiques) / Isabelle Frateur (<i>idem</i>) / Eliane Sutter (<i>idem</i>) / Anouk Galtayries (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Sandrine Zanna (<i>idem</i>) / Bernard Tribollet (Sorbonne Universités, UPMC Univ Paris 06, CNRS, Laboratoire Interfaces et Systèmes Electrochimiques) / Vincent Vivier (<i>idem</i>) / Thierry Meylheuc (INRA, UMR1319 Micalis)
11:50	O-64547	XPS characterization of the passive film and the adsorbed organic layer on a carbon steel surface in contact with a solution containing a green biomolecule used to inhibit steel corrosion in concrete Sandrine Zanna (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Sara Chakri (Sorbonne Universités/UPMC/CNRS) / Isabelle Frateur (Sorbonne Universités/UPMC/CNRS) / Anouk Galtayries (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Meylheuc Thierry (INRA/AgroParisTech) / Eliane Sutter (Sorbonne Universités/UPMC/CNRS) / Bernard Tribollet (<i>idem</i>) / Vincent Vivier (<i>idem</i>) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
12:10	O-64057	Cathodic reactions on carbon steel in aerated solution at pH 13 Bernard Tribollet (UMR8235 CNRS UPMC) / Sara Chakri (<i>idem</i>) / Isabelle Frateur (<i>idem</i>) / Eliane Sutter (<i>idem</i>) / Vincent Vivier (<i>idem</i>)
12:30 Lunch		
Joffre 5 Microbial Corrosion of Steel in Concrete		
Chair(s) R. Basseguy		
14:00	O-64352	Influence of a bioadmixture on standardized parameters of cementitious materials Nicolas Serres (INSA Strasbourg) / Huan He (<i>idem</i>) / Thierry Meylheuc (INRA - B2HM) / Françoise Feugeas (INSA Strasbourg)

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14:20	O-65187	Ecofriendly recycled aggregate concrete and bioreceptivity Sandrine Braymand (ICUBE UNIVERSITY OF STRASBOURG- IUT ROBERT SCHUMAN) / Françoise Feugeas (ICube INSA DE STRASBOURG) / Sébastien Roux (IJL-LORRAINE UNIVERSITY) / Kunwufine Deodonne (ICube)
14:40	O-64377	Effects of bioadmixture on cement paste surface by dynamic contact angle measurement Charlotte Munzer (INSA Strasbourg) / Essia Belhaj (<i>idem</i>) / Thierry Meylheuc (INRA - B2HM) / Françoise Feugeas (INSA Strasbourg) / André Lecomte (IJL-CP2S-207, UMR 7198, Université de Lorraine)
15:00	O-67892	Effect of organic anions on corrosion studied by mass loss, profilometry, SEM & electrochemical methods Jan Sunner (University of Oklahoma) / Eric Kaufman (<i>idem</i>) / Vincent Bonifay (<i>idem</i>) / Sukriye Celikkol-Aydin (<i>idem</i>) / Anjumala Herath (<i>idem</i>) / Iwona Beech (<i>idem</i>)
15:40	Coffee Break	

Joffre 5		Microbial Corrosion
Chair(s)		P. Cristiani
16:10	K-70075	Keynote Lecture Electrochemical techniques: tools to observe, decipher mechanisms and monitor biocorrosion Régine Basseguy (Laboratoire de Génie Chimique, Université de Toulouse) / Ingrid Rouvre (<i>idem</i>)
16:50	O-59807	Use of the 34S/32S isotopic ratio for the study of the bioorigin of the sulfur phases located in the corrosion product layer of iron or low alloy-steel samples corroded in anoxic conditions Sophie Grousset (LAPA-IRAMAT, NIMBE, CEA, CNRS, Université Paris-Saclay, CEA Saclay) / Alexandre Dauzères (IRSN) / Didier Crusset (ANDRA) / Valérie Deydier (ANDRA) / Yannick Linard (ANDRA) / Laurent Urios (IPREM-EEM, UMR 5254, Université de Pau et des Pays de l'Adour) / Smail Mostefaoui (IMPMC-COSMO, Museum National d'Histoire Naturelle) / Nicolas Nuns (Institut M.E. Chevreul, Université de Lille, CNRS) / Muriel Bouttemy (Institut Lavoisier de Versailles, UMR CNRS-UVSQ 8180) / Arnaud Etcheberry (<i>idem</i>) / Philippe Dillmann (LAPA-IRAMAT, NIMBE, CEA, CNRS, Université Paris Saclay, CEA Saclay) / Florence Mercier-Bion (<i>idem</i>) / Delphine Neff (<i>idem</i>)
17:10	O-63362	Action mechanism of hydrogenase to accelerate mild steel anaerobic corrosion Ingrid Rouvre (LGC) / Charles Gauquelin (LISBP - INSA) / Isabelle Meynial-Salles (LISBP - INSA) / Régine Basseguy (LGC - INSA)
17:30	O-50452	Biological degradation of toluene causes souring Yasunori Tanji (Tokyo Institute of Technology)
17:50	O-63277	Effect of Escherichia coli K12 adhesion and biofilm growth on the surface chemical composition of 70Cu-30Ni alloy, 304L stainless steel and titanium Sandrine Zanna (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Blanca Estela Torres-Bautista (<i>idem</i>) / Audrey Allion (APERAM Isbergues) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
19:30	Departure for the Congress Dinner	

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Joffre 4		Tribocorrosion
Chair(s)		A. Igual-Munoz
9:40	O-60547	Chemo-mechanical polishing of tungsten: a tribocorrosion approach Stefano Mischler (École Polytechnique Fédérale de Lausanne (EPFL)) / Jelena Stojadinovic (Ruhr University Bochum) / Didier Bouvet (EPFL)
10:00	O-55362	Influence of corrosion on fretting-fatigue endurance ALBA DALMAU (Laboratoire de Tribologie et Dynamique des Systèmes) / Siegfried FOUVRY (Laboratoire de Tribologie et Dynamique des Systèmes)
10:20	O-56277	Wear-corrosion of a duplex stainless steel in deaerated media: influence of counterbody material and contact geometry Mohamed Moustapha MOINE (INSA de Lyon)
10:40		Coffee Break
Joffre 4		Tribocorrosion
Chair(s)		A. Igual-Munoz
11:10	O-55852	Study of the galvanic coupling effect in a sliding tribocorrosion system on the AISI 316L Alba Dalmau (Laboratoire de Tribologie et Dynamique des Systèmes) / Caroline Richard (Laboratoire de Mécanique et Rhéologie - Université de Tours) / Anna Igual Munoz (Institute for Industrial, Radiophysical and Environmental Safety (ISIRYM) – Universitat Politècnica de València)
11:30	O-61647	Tribocorrosion modeling of metal-on-metal artificial hip joints including lubrication effects Shoufan Cao (Ecole Polytechnique Fédérale de Lausanne (EPFL), Tribology and Interface Chemistry Group) / Stefano Mischler (Ecole Polytechnique Fédérale de Lausanne (EPFL), Tribology and Interface Chemistry Group)
12:30		Lunch

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Joffre 4		Marine Corrosion
Chair(s)		<i>U. Kivisäkk / P. Refait</i>
14:00	O-58292	Preventing galvanic corrosion in drilling risers and subsea equipment Troels Mathiesen (FORCE Technology) / Harald Osvoll (FORCE Technology) / Peyman Mohseni (MHWirth AS)
14:20	O-57767	Corrosion performance of damaged thermally sprayed aluminium in simulated deep sea environment (500bar) Shiladitya Paul (Twi Ltd)
14:40	O-56182	Corrosion behaviour of Mooring Chain steel in seawater Xiaolong Zhang (Endures) / Nanni Noel (Endures) / Gabriele Ferrari (Endures) / Martijn Hoogeland (TNO)
15:00	O-65837	Influence of polymer coatings against marine corrosion Laurentiu Mardare (Engineering Faculty, Dunarea de Jos of Galati) / Lidia Benea (Engineering Faculty, Dunarea de Jos of Galati)
15:20	O-58882	The effect of hydrogen on stress corrosion behavior of X65 steel welded joint in simulated deep sea environment Hongxia Wan (University of Science and Technology Beijing) / Cuiwei Du (University of Science and Technology Beijing) / Zhiyong Liu (University of Science and Technology Beijing) / Xiaogang Li (University of Science and Technology Beijing)
15:40		Coffee Break
Joffre 4		Marine Corrosion
Chair(s)		<i>U. Kivisäkk / P. Refait</i>
16:10	O-58567	Corrosion behaviour of cupronickel 90/10 condenser tubes in thermal desalination plant MED exposed to synthetic seawater at different temperature Rabia Besghaier (Equipe COPROMET, Unité de Recherche Mécanique-Energétique, ENIT, Université de Tunis El-Manar, Tunis1002, Tunisie) / Leila Dhouibi (Equipe COPROMET, Unité de Recherche Mécanique-Energétique, ENIT, Université de Tunis El-Manar, Tunis1002, Tunisie) / Marc Jeannin (Laboratoire des Sciences de l'Ingénieur pour l'Environnement, CNRS 7356 UMR, Université de La Rochelle,) / Mohamed Safi (Equipe COPROMET, Unité de Recherche Mécanique-Energétique, ENIT, Université de Tunis El-Manar, Tunis1002, Tunisie)
16:30	O-50827	Mapping the risk of pitting of stainless steel 316L at sea Olivier Lavigne (The University of Adelaide) / Kenneth Davey (The University of Adelaide)
16:50	O-68222	The effect of a complex bacterial consortium present as a biofilm or as planktonic population on marine corrosion of 1020 carbon steel Zakary Makama (University of Oklahoma) / Sukriye Celikkol-Aydin (Celikkol-Aydin) / Egemen Aydin (University of Oklahoma) / Vincent Bonifay (University of Oklahoma) / Jan Sunner (University of Oklahoma) / Iwona Beech (University of Oklahoma)
17:10	O-53137	Corrosion of carbon steel in marine sediments: mechanisms and kinetics Marc JEANNIN (University of La Rochelle) / Emilie FRANCOIS (DCNS Research) / René SABOT (University of La Rochelle) / Anne-Marie GROLLEAU (DCNS Research) / Philippe REFAIT (University of La Rochelle)
17:30	O-52162	Effect of aluminium alloying on the marine corrosion of cast steel Robert Jeffrey (The University of Newcastle) / Robert Melchers (The University of Newcastle)
19:30		Departure for the Congress Dinner

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Sully 3 Corrosion and Scale Inhibition		
Chair(s) <i>G. Schmitt / K. Demadis</i>		
9:40	O-55682	Effect of sulfonate ratio of acrylic acid Co-polymer on corrosion inhibition in cooling water condition Yoshino Takanori (R&D Div., KURITA WATER INDUSTRIES LTD.) / Hajime Iseri (R&D Div., KURITA WATER INDUSTRIES LTD.) / Naohiro Nagai (R&D Div., KURITA WATER INDUSTRIES LTD.) / Ikuko Nishida (R&D Div., KURITA WATER INDUSTRIES LTD.) / Kazuya Watanabe (R&D Div., KURITA WATER INDUSTRIES LTD.) / Kuniyuki Takahashi (R&D Div., KURITA WATER INDUSTRIES LTD.)
10:00	O-54647	Corrosion protection of mild steel in cooling water systems with green polymeric inhibitor, tannic acid ipek öztürk (Kurita Turkey Kimya A.Ş. / Istanbul Technical University)
10:20	O-52962	Electrochemical behaviour of a combined BTA/CeCl_3 inhibitor system for the corrosion protection of AA 2024 in NaCl solution Leonardo Bertolucci Coelho (University of Mons) / Maixent Mouanga (University of Mons) / Isaline Recloux (University of Mons) / Marie-Eve Druart (University of Mons) / Marie-Georges Olivier (University of Mons)
10:40 Coffee Break		
Sully 3 Corrosion and Scale Inhibition		
Chair(s) <i>G. Schmitt / K. Demadis</i>		
11:10	O-64482	Good scale-bad scale: exploration of this intricate duality in water systems Kostas Demadis (University of Crete) / Argyro Spinthaki (University of Crete)
11:30	O-62722	Analysing the behaviour of chromate replacement corrosion inhibitors with segmented-electrode electrochemical impedance spectroscopy for cut edge applications Lee Farren (University of Manchester) / Stuart Lyon (University of Manchester) / Dave Francis (AkzoNobel)
11:50	O-52572	Surfactant properties of novel green oilfield corrosion inhibitors Katie Scarth (Department of Chemistry, University of Hull) / Bernard. P. Binks (Department of Chemistry, University of Hull) / Paul. D.I. Fletcher (Department of Chemistry, University of Hull) / Ryan. M Harrington (Nalco Champion) / Andrew Miles (Nalco Champion) / Jeremy Moloney (Nalco Champion)
12:10	O-60207	Unexpected results concerning performance of corrosion inhibitors in relatively low corrosivity sour oil & gas environments Deniz Ugur (Shell Global Solutions) / Johannes Sonke (Shell Global Solutions) / Nicholas Laycock (Qatar Shell Research and Technology Center)
12:30 Lunch		
Sully 3 Corrosion and Scale Inhibition		
Chair(s) <i>G. Schmitt / K. Demadis</i>		
14:00	O-51087	Multipurpose oilfield chemical inhibitors Yahya AlJanabi (Saudi Aramco) / AbdulHadi Khuraidah (Saudi Aramco) / Qiwei Wang (Saudi Aramco)
14:20	O-60707	A new method for the detection of optimal dose of corrosion inhibitors in MEG regeneration systems Melanie Reid (LUX Assure) / Catherine Rowley-Williams (LUX Assure) / Scott Rankin (LUX Assure)
14:40	O-52007	Vapor phase inhibitors in functional fluids Robert Kean (Cortec Corporation) / Boris Miksic (Cortec Corporation)
15:00	O-65097	Electrochemical and static HPHT study of porphyrin derivatives as effective corrosion inhibitor for N80 and J55 steel in sweet corrosion environment Ambrish Singh (SOUTHWEST PETROLEUM UNIVERSITY) / Yuanhua Lin (SOUTHWEST PETROLEUM UNIVERSITY)

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15:20	O-67852	Environmentally friendly inhibitors from vegetable extracts to protect carbon steel corrosion in acidic environment Lidia Benea (Dunarea de Jos University of Galati) / Valentin Dumitrascu (Dunarea de Jos University of Galati) / Doinita Pirvu - Neagu (Dunarea de Jos University of Galati)
15:40	Coffee Break	
Sully 3	Corrosion and Scale Inhibition	
	Chair(s)	<i>G. Schmitt / K. Demadis</i>
19:30	Departure for the Congress Dinner	

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Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
9:40	O-54317	Guidelines for corrosion inhibitor selection for oil and gas production Johannes Sonke (Shell) / William D. Grimes (Shell)
10:00	O-67677	Vapor corrosion inhibitors in novel applications in the Middle East Usama Jacir (Cortec Middle East)
10:20	O-59992	Prediction of corrosion rates of carbon steel in complex flow systems Joshua Owen (University of Leeds) / Richard Barker (University of Leeds) / Anne Neville (University of Leeds)
10:40		Coffee Break
Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
11:10	O-66867	The effect of flow rate on the preferential weld corrosion of X65 pipeline steel Nofrizal Nofrizal (Cranfield University) / Sue. A Impey (Cranfield University) / Michael. J Robinson (Cranfield University)
11:30	O-57882	Elucidating the evolution of sweet corrosion scale Robert Lindsay (University of Manchester) / Karyn Cooper (University of Manchester) / Xiang Li Zhong (University of Manchester) / Dirk Engelberg (University of Manchester) / Gaurav Joshi (University of Manchester)
11:50	O-50412	Robust Prediction of CO₂ Corrosion Rate in Extraction and Production Hydrocarbon Industry Seyed Mohammad Kazem Hosseini (Saipem Limited)
12:10	O-60087	Localised corrosion of steel pipeline associated with weldments in CO₂ containing environments Ali Abdurrahim (National Oil Corporation) / Mohamed Oubaha (Dublin Institute of Technology) / Ali Babakr (Emerson Process Mangemnet)
12:30		Lunch
Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
14:00	O-63777	Corrosion of X65 carbon steel in sour aqueous solutions at elevated temperature Morten Tjelta (Institute for Energy Technology) / Jon Kvarekvål (Institute for Energy Technology)
14:20	O-60577	The effects of pH and temperature on the nature of corrosion product formed in 3.5 % NaCl saturated CO₂ corrosion of API X60 steel under turbulent flow condition Ime Obot (King Fahd University of Petroleum and Minerals)
14:40	O-54757	Wellbore corrosion integrity of High temperature high pressure gas well Anqing Fu (CNPC Tubular Goods Research Institute) / Yaorong Feng (CNPC Tubular Goods Research Institute) / Chengxian Yin (CNPC Tubular Goods Research Institute) / Naixin Lv (CNPC Tubular Goods Research Institute) / Zhenquan Bai (CNPC Tubular Goods Research Institute) / Junfeng Xie (Tarim Oilfield Company) / Juntao Yuan (CNPC Tubular Goods Research Institute)
15:00	O-50477	Characterization of the corrosion behaviour of cemented tungsten carbides in simulated downhole environments René Kube (Baker Hughes) / Helmuth Sarmiento Klapper (Baker Hughes) / John Stevens (Baker Hughes)
15:20	O-50612	Cold worked Ni-based alloy HASTELLOY® C-22HS® for extreme downhole conditions Klaus Ohla (Haynes International AG) / Helmuth Sarmiento Klapper (Baker Hughes) / Bernd Holper (Schoeller Bleckmann Oilfield Technology) / Hendrik John (Consultant)
15:40		Coffee Break

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Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
16:10	O-51287	An innovative full-scale method for investigation of HPHT gas well downhole corrosion Chengxian Yin (CNPC Tubular Goods Research Institute) / Anqing Fu (CNPC Tubular Goods Research Institute) / Yaorong Feng (CNPC Tubular Goods Research Institute) / Xiaowei Lei (Xi'an Jiaotong University) / Zhenquan Bai (CNPC Tubular Goods Research Institute) / Junfeng Xie (Tarim Oilfield Company) / Yan Han (CNPC Tubular Goods Research Institute) / Naixin Lv (CNPC Tubular Goods Research Institute)
16:30	O-65402	Kinetics of the corrosion of P-110 steel in well stimulation fluids based on disodium EDTA Jorge Calderon (Universidad de Antioquia) / Ferley Vásquez (Universidad de Antioquia) / Javier Carreño (Instituto Nacional de Tecnología - INT)
16:50	O-57542	Corrosion and asset integrity management in oil and gas production, process, transportation and storage facilities Bruno Bazzoni (Cescor srl) / Vittorio Colombo (Cescor srl) / Cristina Panizza (Cescor srl) / Andy Barnett (Wood Group Kenny UK Ltd) / Phil Collingwood (Wood Group Kenny UK Ltd) / Musab Elsamani (Wood Group Kenny UK Ltd) / Kabir Raheem (Wood Group Kenny UK Ltd)
17:10	O-67872	Metabolomics: A new tool for corrosion management in the oil and gas industry Vincent Bonifay (University Of Oklahoma) / Iwona B Beech (University Of Oklahoma) / Jan A Sunner (University Of Oklahoma)
19:30		Departure for the Congress Dinner

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Louisville Corrosion by Hot Gases and Combustion Products		
Chair(s) M. Schütze		
9:40	O-56082	Chlorine corrosion of carbon steel between 350 and 500°C Ludmila Konrad (DECHEMA-Forschungsinstitut) / Mathias Galetz (Dchema Forschungsinstitut)
10:00	O-51517	The effect of process gas temperature on deposit build-up and corrosion rate in a copper flash smelting heat recovery boiler Juho Lehmusto (Abo Akademi University) / Daniel Stenlund (Abo Akademi University) / Mari Lindgren (Outotec Research Center) / Patrik Yrjas (Abo Akademi University)
10:20	O-58082	Investigation of steel corrosion associated with the usage of secondary fuels in the cement production Anja Kieseewetter (Technische Universität Dresden) / Michael Thieme (Technische Universität Dresden) / Ute Bergmann (Technische Universität Dresden) / Tobias Wehry (Opterra Karsdorf GmbH)
10:40 Coffee Break		
Louisville Corrosion by Hot Gases and Combustion Products		
Chair(s) M. Schütze		
11:10	O-69025	Wastage of austenitic heater tubes used in a melamine production plant: plant experience and mechanistic insight Kohei Yamamoto (Tohoku University) / Hiroshi Abe (Tohoku University) / Yutaka Watanabe (Tohoku University) / Takamichi Miyazaki (Tohoku University) / Shinpei Arioka (Mitsui Chemicals, Inc.) / Hiroyasu Matsuda (Bestmateria Co., Ltd.)
11:30	O-53792	Reaction behavior and kinetics of hexagonal SiC powder at 1100-1500°C under different atmospheres Enhui Wang (University of Science and Technology Beijing) / Chenliang Wang (University of Science and Technology Beijing) / Xiaojun Hu (University of Science and Technology Beijing) / Kuo-Chin Chou (University of Science and Technology Beijing) / Xinmei Hou (University of Science and Technology Beijing)
11:50	O-53762	The effect of different atmospheres on the oxidation behavior of porous Si₃N₄ ceramics at 1200-1500 °C Xinmei Hou (University of Science and Technology Beijing) / Enhui Wang (University of Science and Technology Beijing) / Junhong Chen (University of Science and Technology Beijing) / Bing Li (University of Science and Technology Beijing) / Kuo-Chin Chou (University of Science and Technology Beijing)
12:10	O-57197	High temperature oxidation behaviour of NbC-reinforced cast superalloys Mélisha Ritouet (Institut Jean Lamour (UMR CNRS 7198), department CP2S, team "Surface and Interface, Chemical Reactivity of Materials", University of Lorraine) / Patrice Berthod (Institut Jean Lamour)
12:30 Lunch		
Louisville Corrosion by Hot Gases and Combustion Products		
Chair(s) M. Schütze		
14:00	O-59042	Iron as a successful ash modifier in stationary gas turbines Michel Moliere (Universite de Technologie de Belfort Montbéliard)
14:20	O-57112	Oxidation behaviours at 1200°C of cast chromium-based alloys Patrice Berthod (Université de Lorraine) / Elodie Conrath (Institut Jean Lamour / University of Lorraine)
14:40	O-58437	Challenges with current vanadium corrosion inhibition technologies in presence of alkaline metals Michel Moliere (Universite de Technologie de Belfort Montbéliard) / Pierre Montagne (GE Power)

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15:00	O-52022	High temperature, steam oxidation performance of advanced, highly alloyed steels and Ni based alloys as candidates for the structural materials in Ultra Super Critical (USC) Coal Power Plants Tomasz Dudziak (Foundry Research Institute) / Lukasz Boron (Foundry Research Institute) / Vinay Deodeshmukh (Haynes International) / Jerzy Sobaczak (Foundry Research Institute) / Natalia Sobczak (Foundry Research Institute) / Laurel Backert (Sandmayer Steel)
15:40	Coffee Break	
Louisville	Coatings for High Temperatures	
	Chair(s)	M. Galetz
16:10	O-65767	Metal dusting behaviour of laser clad 304L stainless steel, enriched with ruthenium Yonela A Mgwebi (University of the Witwatersrand) / Josias van der Merwe (University of the Witwatersrand)
16:30	O-69245	High-temperature oxidation protective Fe-44Cr-4Al coatings obtained with the method of EB-PVD Elguja Kutelia (Republic Center for Structure Research, Georgian Technical University) / Olga Tsursumia (Republic Center for Structure Research, Georgian Technical University) / Mikheil Okrosashvili (Republic Center for Structure Research, Georgian Technical University) / Tengiz Kukava (Republic Center for Structure Research, Georgian Technical University) / Nikoloz Jalabadze (Republic Center for Structure Research, Georgian Technical University) / Francisco Javier Perez Trujillo (Universidad Complutense de Madrid) / Alina Agüero Bruna (Instituto Nacional de Technica Aeroespacial) / Pavel Krukovsky (Institute of Engineering Thermophysics) / Mikhail Metel (Institute of Engineering Thermophysics)
16:50	O-65007	Microstructural evolution in over-aluminized CoNiCrAlY coating during high temperature oxidation in temperature range 925°C – 1075°C Aleksandra Jalowicka (Forschungszentrum Jülich GmbH) / Dmitry Naumenko (Forschungszentrum Jülich GmbH) / Markus Ernsberger (MAN Diesel & Turbo SE) / Roland Herzog (MAN Diesel & Turbo SE) / Willem J. Quadackers (Forschungszentrum Jülich GmbH)
17:10	O-57347	Influence of aluminide coatings on the mechanical properties and corrosion resistance of thin-walled sheets Johannes T. Bauer (Dechema-Forschungsinstitut) / Helen Ackermann (OWI Oel-Waerme-Institut GmbH) / Mathias C. Galetz (Dechema-Forschungsinstitut)
17:30	O-50872	Thermal spray coatings for low, medium and high temperature corrosion and oxidation protection. Fred van Rodijnen (Oerlikon Metco Europe GmbH)
19:30	Departure for the Congress Dinner	

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Sully 2 Corrosion and Protection Mechanisms of Magnesium Alloys		
Chair(s) N. Birbilis		
9:40	K-62862	Keynote Lecture The role of transition metal (Re) plating in the cathodic activation of corroding magnesium Hamilton Neil McMurray (Swansea University) / Geraint Williams (Swansea University) / Emmanouela Michailidou (Swansea University)
10:10	K-65087	Keynote Lecture Challenges and progress in understanding and controlling Mg corrosion in biomedical applications Sannakaisa Virtanen (Universität Erlangen-Nürnberg)
10:40 Coffee Break		
Sully 2 Corrosion and Protection of Magnesium Alloys		
Chair(s) N. Birbilis		
11:10	O-51862	Evaluation of corrosion performance of surface treatments on aeronautical magnesium alloys by the impedance technique Samuel Leleu (IRT Saint-Exupéry / CIRIMAT) / Nadine Pébère (CIRIMAT) / Rives Bertrand (IRT Saint-Exupéry)
11:30	O-57932	A study of corrosion behavior of 3YSZ coating on AZ91D alloy different interlayers Ayda Shahriari (Tabriz University) / Hossein Aghajani (Tabriz University) / Shahin Fazlinejad (MalekAshtar University)
11:50	O-61527	Characteristics of self-organized porous anodic films formed on magnesium in low voltage range Sachiko Ono (Kogakuin University) / Reiji Hyodo (Kogakuin University) / Hideki Hashimoto (Kogakuin University) / Hidetaka Asoh (Kogakuin University)
12:10	O-65347	Corrosion-erosion resistance of coated magnesium by autocatalytic Ni-P/Ceramic nanocomposite coatings Alejandro Zuleta Gil (Universidad Pontificia Bolivariana) / Julieth Paola Jiménez Moncada (Universidad de Antioquia) / Jorge Andrés Calderón Gutiérrez (Universidad de Antioquia)
12:30 Lunch		
Sully 2 Corrosion and Protection of Magnesium Alloys		
Chair(s) S. Virtanen		
14:00	O-65367	Preparation of electroless Ni-P coatings on Mg and AZ31B magnesium alloy by a chromium-free process Alejandro Zuleta Gil (Universidad Pontificia Bolivariana) / Esteban Alberto Correa Bedoya (SENA) / Félix Echeverría (Universidad de Antioquia) / Juan Guillermo Castaño (Universidad de Antioquia) / Peter Skeldon (The University of Manchester) / George Thompson (The University of Manchester)
14:20	O-65742	Surface treatment of magnesium and aluminium alloys in transportation industry Ilya Ostrovsky (Chemetall GmbH) / Peter Schubach (Chemetall GmbH) / Thomas Kolberg (Chemetall GmbH) / Thomas Wendel (Chemetall GmbH)
14:40	O-57657	Novel insights into the corrosion mechanism of magnesium Daniel Höche (Helmholtz-Zentrum Geesthacht Zentrum für Material- und Küstenforschung GmbH) / Sviatlana Lamaka (Helmholtz-Zentrum Geesthacht) / Carsten Blawert (HZG) / Nico Scharnagl (HZG) / Chamini Mendis (HZG) / Mikhail Zheludkevich (HZG)

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15:00	O-66802	Chemical surface analyses: towards the understanding of magnesium corrosion? Dimitri Mercier (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Antoine Seyeux (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Sandrine Zanna (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Jolanta Swiatowska (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
15:20	O-58127	Iron complexing agents as new generation of Mg corrosion inhibitors Sviatlana Lamaka (Helmholtz Zentrum Geesthacht) / Daniel Hoeche (Helmholtz Zentrum Geesthacht) / Rokas Petrauskas (Helmholtz-Zentrum Geesthacht / University of Vilnius) / Carsten Blawert (Helmholtz-Zentrum Geesthacht) / Mikhail Zheludkevich (Helmholtz-Zentrum Geesthacht)
15:40	Coffee Break	
Sully 2	Corrosion and Protection of Magnesium Alloys	
	Chair(s)	S. Virtanen
16:10	O-60887	Influence of plasma electrolytic oxidation treatment on corrosion behaviour of MRI 230D and AZ91D magnesium alloys Barbara Kazanski T. (Ariel University) / Alex Lugovskoy (Ariel University) / Michael Zinigrad (Ariel University)
16:30	O-65137	Monitoring of the microstructures and compositions of Mg-Zn-Ca Alloys to control degradation and hydrogen evolution for biodegradable implants Virginie Roche (LEPMI) / Isadora Nogueira Viçosa (LEPMI) / Alberto Moreira Jorge Junior (LEPMI) / G P. Danez (Universidade Federal de São Carlos) / Guilherme Y. Koga (Universidade Federal de São Carlos) / C S. Kiminami (Universidade Federal de São Carlos) / C. Bolfarini (Universidade Federal de São Carlos) / W.J. Botta (Universidade Federal de São Carlos) / Ricardo P. Nogueira (LEPMI)
16:50	O-59577	Surface treatment of AZ 91 magnesium alloy for controlled degradation in biomedical applications Peter Jensen (Department of Mechanical Engineering, Technical University of Denmark) / Rameez Ud Din (Department of Mechanical Engineering, Technical University of Denmark) / Morten Stendahl Jellesen (Department of Mechanical Engineering, Technical University of Denmark) / Rajan Ambat (Department of Mechanical Engineering, Technical University of Denmark)
17:10	O-67257	Controllable degradable PEO coatings for magnesium and its alloys as biomaterials Carsten Blawert (Helmholtz Zentrum Geesthacht) / Xiaopeng Lu (Helmholtz Zentrum Geesthacht) / Karl Ulrich Kainer (Helmholtz Zentrum Geesthacht) / Mikhail Zheludkevich (Helmholtz Zentrum Geesthacht)
19:30	Departure for the Congress Dinner	

Oral Programme as of 18/07/2016

Thursday 15 September 2016

Rondelet		Inorganic Coatings
Chair(s)		J. Fernandes / A. Krolikowska
9:00	O-53992	In-situ temperature measurement during high frequency pulse anodising of aluminium Flemming Jensen (Technical University of Denmark) / Visweswara Chakravarthy Gudla (<i>idem</i>) / Ib Kongstad (Bang & Olufsen) / Rajan Ambat (Technical University of Denmark)
9:20	O-57472	Electrochemical behaviour of pure titanium and Ti-6Al-4V alloy in KOH through micro-arc oxidation process Aude Mathis (Institut de Recherche Technologique M2P/ Institut Jean Lamour) / Emmanuel Rocca (<i>idem</i>) / Delphine Veys-Renaux (<i>idem</i>) / Joffrey Tardelli (<i>idem</i>)
9:40	O-52662	Influence of atmospheric pressure plasma treatments on the oxide film and the corrosion resistance of titanium and titanium alloys Luca Pezzato (University of Padua) / Manuele Dabalà (<i>idem</i>) / Katya Brunelli (<i>idem</i>)
10:00	O-67622	Influence of chemical composition and conversion coatings on the corrosion properties of Mg-Sn-xY (x= 0.5, 1 and 2 wt%) alloys Devadas Bhat Panemangalore (Unité Matériaux et Transformations, University Lille1) / Rajashekhara Shabadi (<i>idem</i>) / Gang Ji (<i>idem</i>) / Manoj Gupta (Department of Mechanical Engineering, National University of Singapore)
10:20	O-61222	Improving the corrosion resistance of thermally sprayed zinc- and zinc-aluminum coatings by anodizing Alexander Mertke (University of Applied Sciences South Westphalia) / Ralf Feser (<i>idem</i>) / Denis Proba (<i>idem</i>)
10:40		Coffee Break
Rondelet		Inorganic Coatings
Chair(s)		F. Andreatta / M. Fedel
11:10	O-50942	Weldable anticorrosion coatings for steel protection Aurelie Rexach (TWI Ltd) / Sanjeev Naik (TWI Ltd) / Alan Taylor (TWI Ltd)
11:30	O-65037	Galvanic corrosion investigations of TiN-steel and TiN-stainless steel couples Burcak Avci (Istanbul Technical University) / Erkan Kacar (<i>idem</i>) / Mustafa Ürgen (<i>idem</i>)
11:50	O-64597	Corrosion protection of aluminium by ultra-thin atomic layer deposited alumina coatings Jolanta Swiatowska (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Shadi Mirhashemihaghighi (<i>idem</i>) / Vincent Maurice (<i>idem</i>) / Antoine Seyeux (<i>idem</i>) / Sandrine Zanna (<i>idem</i>) / Emma Salmi (University of Helsinki) / Mikko Ritala (<i>idem</i>) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
12:10	O-56572	Development of innovative multi-functionalized CMC composite coating deposited on metallic substrate Sheng YUAN (INSA-Lyon) / Bernard Normand (<i>idem</i>)
12:30	O-54197	Evaluation of the corrosion resistance of PVD coatings doped with silver for biomedical applications Carlos Berlanga Labari (Universidad Publica de Navarra) / Pedro Rivero (<i>idem</i>) / Iñaki Zalakain (<i>idem</i>) / Javier Osés (AIN-Surface Engineering Centre) / Rafael Rodriguez (Public Universtiy of Navarre)
12:50		Lunch

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Rondelet		Inorganic Coatings
Chair(s)		<i>F. Andreatta / M. Fedel</i>
14:00	O-53397	Characterization of atomic layer deposited alumina coatings on AISI 316L stainless steel Michele Fedel (University of Trento) / Flavio Deflorian (<i>idem</i>) / Stefano Rossi (<i>idem</i>)
14:20	O-55327	Preparation of corrosion resistant film on Aluminum alloy by steam coating Ai Serizawa (Shibaura Institute of Technology) / Takahiro Ishizaki (<i>idem</i>)
14:40	O-54282	Hydrothermal treatment of Magnetron sputtered Al-Ti and Al-Zr coatings Visweswara Gudla (Technical University of Denmark) / Marco Crosio (<i>idem</i>) / Nadja Vinkel (<i>idem</i>) / Peter Jensen (<i>idem</i>) / Kristian Rechendorff (Danish Technological Institute) / Rajan Ambat (Technical University of Denmark)
15:40		Closing Ceremony / End of EUROCORR 2016

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Thursday 15 September 2016

Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		C. Leygrayf
9:00	O-65482	Corrosion of Al alloys during repeated dry-wet cycling tests with NaCl solutions – effect of NaCl concentration on corrosion of Al alloys Makoto Chiba (National Institute of Technology, Asahikawa College) / Kanae Nagai (<i>idem</i>) / Minoru Sugiura (<i>idem</i>) / Keisuke Ochi (<i>idem</i>) / Shu Saito (<i>idem</i>) / Atsushi Hyono (<i>idem</i>) / Yutaka Shibata (Daikin Industries Ltd.) / Hideaki Takahashi (National Institute of Technology, Asahikawa College)
9:20	O-53102	Atmospheric corrosion of hot-dip galvanized steel Dominique Thierry (Institut de la Corrosion Technopole de Brest Iroise) / Dan Persson (Swerea KIMAB)
9:40	O-55812	Long-term study of structural metals' atmospheric corrosion in the Czech Republic Katerina Kreislova (SVUOM Ltd.) / Hana Geiplova (<i>idem</i>) / Dusan Majtas (ITAM CE)
10:00	O-61552	Influence of electrode geometry on zinc corrosion under thin electrolytes Hans Simillion (Vrije Universiteit Brussels) / Nils Van den Steen (<i>idem</i>) / Herman Terry (idem) / Johan Deconinck (<i>idem</i>)
10:40		Coffee Break
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		D. Thierry
11:10	O-53297	Influence of soil moisture and wet/dry cycles on the corrosion rates of carbon steel in silt and clay soils Rym Akkouche (University of La Rochelle) / Philippe Refait (<i>idem</i>) / Céline Remazeilles (<i>idem</i>) / Maud Barbalat (Air Liquide Research & Development) / Marc Jeannin (University of La Rochelle) / René Sabot (<i>idem</i>)
11:30	O-58507	Foundation soil corrosion control of electric power transmission systems: a Geographic Information Systems (GIS) based strategy to assess and predict corrosion Jose Maria Malo (Instituto de Investigaciones Electricas) / Ulises Mena (Electrical Research Institute) / Daniel Fernandez (<i>idem</i>) / Rosa Maria Rodriguez (<i>idem</i>) / Enrique Herberth (Comision Federal de Electricidad) / Felipe Esquivel (<i>idem</i>)
11:50	O-59437	Application of surface potential measurement for hydrogen permeation behavior Hideki Katayama (National Institute for Materials Science) / Toshiki Katsumura (Hosei University) / Takaya Akashi (<i>idem</i>)
12:10	O-67562	Multiscales approach of hydrogen diffusion on grain-boundaries networks: statistical approach and effective medium theory Jamaa Bouhattate (Universite de La Rochelle) / Bachir Osman Hoch (<i>idem</i>) / Arnaud Metsue (<i>idem</i>) / Xavier Feaugas (<i>idem</i>)
12:30	O-58197	Quasi in-situ time-dependent measurement of atmospheric-induced corrosion and stress corrosion cracking on duplex stainless steel wires Cem Örnek (The University of Manchester / Corrosion and Protection Centre) / S. A. McDonald (The University of Manchester / Manchester X-ray Imaging Facility) / P. J. Withers (<i>idem</i>) / D. L. Engelberg (The University of Manchester / Corrosion and Protection Centre)
12:50		Lunch

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Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		V. Vignal
14:00	O-58907	The effect of hydrogen on intergranular cracking: a cross-scale study of first-principle and finite element method Xin Wei (University of Science and Technology Beijing) / Chaofang Dong (<i>idem</i>) / Zhanghua Chen (<i>idem</i>) / Kui Xiao (<i>idem</i>) / Xiaogang Li (<i>idem</i>)
14:20	O-52117	Modelling 3D interaction limits of inclined stress corrosion cracking James Griggs (The University of Adelaide) / Erwin Gamboa (<i>idem</i>) / Olivier Lavigne (<i>idem</i>)
14:40	O-55972	Numerical and experimental studies of multiple cracking induced by traction of thermally grown oxide scales Valerie Parry (Grenoble Alpes University) / Céline Pascal (<i>idem</i>) / Muriel Braccini (<i>idem</i>) / Yves Wouters (<i>idem</i>) / Elena Fedorova (Polytechnic Institute of Siberian Federal University) / Marc Mantel (UGITECH SA) / Guillaume Parry (Grenoble Alpes University)
15:40	Closing Ceremony / End of EUROCORR 2016	

Oral Programme as of 18/07/2016

Thursday 15 September 2016

Joffre C+D		Nuclear Corrosion
Chair(s)		<i>R. Killian / M. Yamamoto</i>
9:00	O-56217	Corrosion behavior of SUS316L in nitric acid solution containing seawater components Yuichi Sano (Japan Atomic Energy Agency) / Hiromu Ambai (Japan Atomic Energy Agency) / Masayuki Takeuchi (Japan Atomic Energy Agency) / Shizuka Iijima (Japan Atomic Energy Agency) / Naoki Uchida (Japan Atomic Energy Agency)
9:20	O-66242	Corrosion modelling of iron for long term prediction in nuclear waste repository Julia Agullo (CEA/Saclay) / Christian Bataillon (CEA/Saclay) / Laurent Trenty (ANDRA)
9:40	O-66737	Effects of oxide film on ECP and corrosion of steel Shunsuke Uchida (Institute of Applied Energy) / Masanori Naitoh (Institute of Applied Energy) / Hidetoshi Okada (Institute of Applied Energy) / Derek Lister (University of New Brunswick)
10:00	O-61077	Pitting corrosion modelling by means of a stochastic cellular automata based model Cristian Perez Brokate (Atomic Energy and Alternative Energies Commission (CEA)) / Dung di Caprio (Institut de Recherche de Chimie Paris) / Damien Féron (CEA Saclay) / Jacques de Lamare (CEA Saclay) / Annie Chaussé (Laboratoire Analyse et Modélisation pour la Biologie et l'Environnement)
10:20	O-58987	Corrosion behavior of SUS316L in nitric acid solution containing seawater components - effect of metal ions in high active liquid waste Hiromu Ambai (Japan Atomic Energy Agency) / International Research Institute for Nuclear Decommissioning) / Yusuke Nishizuka (Japan Atomic Energy Agency) / International Research Institute for Nuclear Decommissioning) / Yuichi Sano (Japan Atomic Energy Agency) / International Research Institute for Nuclear Decommissioning) / Naoki Uchida (Japan Atomic Energy Agency) / International Research Institute for Nuclear Decommissioning) / Shizuka Iijima (Japan Atomic Energy Agency) / International Research Institute for Nuclear Decommissioning)
10:40		Coffee Break
Joffre C+D		Nuclear Corrosion
Chair(s)		<i>Z. Bojan / S. Trevin</i>
11:10	O-62442	Influence of iron corrosion on nuclear glass alteration processes: nanoscale investigations of the iron-containing phases Charly Carrière (CEA Saclay, LAPA-IRAMAT, CNRS, Université Paris Saclay) / Lucile Gentaz (CEA Saclay, LAPA-IRAMAT, CNRS, Université Paris Saclay) / Delphine Neff (CEA Saclay, LAPA-IRAMAT, CNRS, Université Paris Saclay) / Florence Mercier-Bion (CEA Saclay, LAPA-IRAMAT, CNRS, Université Paris Saclay) / Eddy Foy (CEA Saclay, LAPA-IRAMAT, CNRS, Université Paris Saclay) / Christelle Martin (Andra, Recherche et Développement, 92298 Châtenay-Malabry, France) / James J. Dynes (Canadian Light Source, 101 Perimeter road, Saskatoon, SK, S7N 0X4, Canada) / Muriel Bouttemy (ILV, Université de Versailles Saint-Quentin en Yvelines, 78000 Versailles, France) / Arnaud Etcheberry (ILV, Université de Versailles Saint-Quentin en Yvelines, 78000 Versailles, France) / Philippe Dillmann (CEA Saclay, LAPA-IRAMAT, CNRS, Université Paris Saclay)
11:30	O-66127	Study of the galvanic corrosion behaviour of Mg and Mg alloys in a Na-geopolymer and in its synthetic pore solution Blanca Estela Torres Bautista (CEA) / Julia Agullo (CEA) / Benoist Muzeau (CEA) / Christian Bataillon (CEA)
11:50	O-53942	Intergranular Corrosion Simulation of Stainless Steel Considering Nitric Acid Solution Condition Takahiro Igarashi (Japan Atomic Energy Agency) / Eriko Irisawa (Japan Atomic Energy Agency) / Chiaki Kato (Japan Atomic Energy Agency) / Fumiyoshi Ueno (Japan Atomic Energy Agency) / Hitoshi Abe (Japan Atomic Energy Agency)

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12:10	O-60417	Effect of boiling of nitric acid solution on corrosion of stainless steel-made concentrator in reduced pressure Fumiyoshi Ueno (Japan Atomic Energy Agency) / Eriko Irisawa (Japan Atomic Energy Agency) / Chiaki Kato (Japan Atomic Energy Agency) / Takahiro Igarashi (Japan Atomic Energy Agency) / Masahiro Yamamoto (Japan Atomic Energy Agency) / Hitoshi Abe (Japan Atomic Energy Agency)
12:30	O-52527	Corrosion of steel in clay under conditions of nuclear waste disposal at 90°C: Results from a 6-year experiment in an integrated setup Michel Schlegel (CEA Saclay) / Frantz Martin (CEA Saclay) / Marie Fenart (CEA Saclay) / cécile Blanc (CEA Saclay) / Eddy Foy (CEA Saclay) / Nicolas Trcera (CEA Saclay)
12:50		Lunch
Joffre C+D		Nuclear Corrosion
Chair(s) <i>D. Féron / S. Ritter</i>		
14:00	O-51342	Hydrogen embrittlement of duplex stainless steel 2205 in model bentonite pore solution Jan Stouilil (University of Chemistry and Technology) / Milan Kouril (University of Chemistry and Technology)
14:20	O-67102	Pitting corrosion behaviour of powder metallurgy Ti-Mo alloy by critical pitting potential method Ilven Mutlu (Istanbul University)
14:40		WP4 Awards
15:40		Closing Ceremony / End of EUROCORR 2016

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Thursday 15 September 2016

Sully 1		Coatings and Cathodic Protection of Pipelines and Tanks
Chair(s)		<i>W. Furbeth / M. Roche</i>
9:00	O-51572	We need better standards for paint systems protecting buried tanks in conjunction with cathodic protection Marcel Roche (CEFRACOR)
9:20	O-55562	Investigation on capabilities and limitations of direct current and electrochemical impedance mapping in monitoring cathodic disbondment of coatings using multi-electrode array Fariba Mahdavi (Deakin University) / Mike YJ Tan (Deakin University) / Maria Forsyth (Deakin University)
9:40	O-52387	Cathodic over protection by sacrificial anodes – a case study on magnesium anodes Javad Khosravi (National Iranian Oil Engineering and Construction Company)
10:00	O-64972	Shielding coatings? They should! Erik Broesder (STOPAQ B.V.)
10:20	O-53332	Non-shielding testing Luc Perrad (Polyguard Representative)
10:40		Coffee Break
Sully 1		Coatings and Cathodic Protection of Pipelines and Tanks
Chair(s)		<i>W. Furbeth / M. Roche</i>
11:10	O-52992	Corrosion and mechanical performance of three-layer polyethylene and dual layer FBE coating systems for gas transmission pipelines Saeed Ahmadizadeh (National Iranian Gas Company (NIGC)) / Alireza Hatami Monfared (National Iranian Gas Company (NIGC))
11:30	O-53007	Corrosion protection performance of field joint coating systems for gas transmission pipelines Saeed Ahmadizadeh (National Iranian Gas Company (NIGC)) / Alireza Hatami Monfared (National Iranian Gas Company (NIGC))
11:50	O-53207	Coating selection for field joint, feedback from an end user Thierry Kerzerho (GRTgaz)
12:10	O-59497	Multi layers/functions coating system - a case study on pipeline coating failure Soroush Ameri (Young Researchers and Elite Club, South Tehran Branch, Islamic Azad University) / Javad Khosravi (NIOEC)
12:50		Lunch
15:40		Closing Ceremony / End of EUROCORR 2016

Thursday 15 September 2016

Oral Programme as of 18/07/2016

Barcelona		Automotive Corrosion
Chair(s)		<i>E. Szala / C. Allely</i>
9:00	O-62842	Modified cyclic corrosion test for thin film pretreated and painted galvanized steel for the automotive industry Konrad Tarka (Volvo Car Corporation) / Annabelle Jaako (Volvo Car Corporation) / Lars-Gunnar Johansson (Chalmers University of Technology)
9:20	O-57742	Degradation of CFRP-metal joints in transport environments Simon Leijonmarck (Swerea KIMAB AB) / Jessica Andersson (Swerea KIMAB AB) / Dan Persson (Swerea KIMAB AB) / Bo Rendahl (Swerea KIMAB AB)
9:40	O-64422	Atmospheric corrosion and galvanic coupling study of a new martensitic steel for automotive applications Clément Boissy (APERAM) / Saghi Saedlou (APERAM) / Guillaume Badinier (APERAM)
10:00	O-54622	Cosmetic corrosion in automotive exhaust systems – influence of temperature, materials and coatings Helmut Wieser (Faurecia Emissions Control Technologies) / Muhammad Yasir (Faurecia Emissions Control Technologies) / Marc Steigerwald (Faurecia Emissions Control Technologies) / Daniel Knoll (Faurecia Emissions Control Technologies)
10:20	O-51357	Dip Dry test with crevice assemblies for material selection of automotive exhaust systems Fiona RUEL (Aperam R&D) / Sandrine DEPRIECK (Aperam) / Eric FRANGEARD (Aperam) / Pierre-Olivier SANTACREU (Aperam)
10:40		Coffee Break
Barcelona		Automotive Corrosion
Chair(s)		<i>E. Szala / C. Allely</i>
11:10	O-54552	Material and thickness selection for lightweight exhaust systems Daniel Knoll (Faurecia Emissions Control Technologies) / Helmut Wieser (Faurecia Emissions Control Technologies) / Muhammad Yasir (Faurecia Emissions Control Technologies)
11:30	O-62277	Raman-SKP Study on the Aluminium/Epoxy Interface Melanie Reichinger (Niederrhein University of Applied Sciences) / Michael Dornbusch (Niederrhein University of Applied Sciences)
11:50	O-64027	Influence of microstructure on electrochemical behaviour of A206 and A380 aluminium alloys Eda Ergün Songul (Istanbul University) / Derya Dispinar (Istanbul University) / Gokhan Orhan (Istanbul University)
12:50		Lunch

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Thursday 15 September 2016

Barcelone		Corrosion Education
Chair(s)		<i>D. Zander</i>
14:00	O-61922	Corrosion knowledge management versus corrosion management: an essential tool for assets integrity management Reza Javaherdashti (PhD; Principle Advisor and Manager of Corrosion Studies Monitoring, Research Institute of Shakhsh Pajouh (Future Studies)) / Farzaneh Akvan (Young Researchers and Elites Club, North Tehran Branch, Islamic Azad University & Corrosion Studies Monitoring, Research Institute of Shakhsh Pajouh (Future Studies))
14:20	O-69990	Labelling corrosion courses by CEFRACOR: A possible step towards an EFC label? Jean-Claude Hourriez (CEFRACOR) / Hélène Illaire (CEFRACOR) / Pierre Ponthiaux (CEFRACOR) / Marcel Roche (CEFRACOR) / Antoine Surbled (CEFRACOR) / Dominique Thierry (Institut de la Corrosion)
14:40	O-50167	Humor in Corrosion Science and Engineering Education Alec Groysman (Israeli Society of Chemical Engineers and Chemists c/o AEAI)
15:40	Closing Ceremony / End of EUROCORR 2016	

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Joffre 5		Microbial Corrosion
Chair(s)		R. Basseguy
9:00	O-68097	What is the key factor of marine biocorrosion initiation? Ignacio Vargas (Pontificia Universidad Católica de Chile) / Rodrigo De la Iglesia (<i>idem</i>) / Magdalena Walczak (<i>idem</i>) / Francisco Armijo (<i>idem</i>) / Gonzalo Pizarro (<i>idem</i>) / Leslie Daille (<i>idem</i>) / María José De la Fuente (<i>idem</i>)
9:20	O-55092	Electrochemical study on the Microbiologically Induced Corrosion of Bronze : the effect of the microstructure Roberto Spotorno (Institute for Energetics and Interphases, Consiglio Nazionale delle Ricerche (CNR-IENI)) / Giorgia Ghiara (Department of Chemistry and Industrial Chemistry (DCCI), University of Genoa) / Pierangela Cristiani (RSE-Ricerca sul Sistema Energetico S.p.A.) / Paolo Piccardo (Department of Chemistry and Industrial Chemistry (DCCI), University of Genoa)
9:40	O-54492	Microbiologically Induced Corrosion mechanism of copper alloy in stagnant fresh water: the case of Pseudomonas spp. Giorgia Ghiara (Università di Genova) / Roberto Spotorno (CNR- Consiglio Nazionale delle Ricerche) / Pierangela Cristiani (RSE-Ricerca sul Sistema Energetico S.p.A.) / Chiara Grande (Università di Genova) / Paolo Piccardo (<i>idem</i>)
10:00	O-62822	Microbially induced corrosion of copper in simulated anoxic groundwater Leena Carpen (VTT Technical Research Centre of Finland) / Pauliina Rajala (<i>idem</i>) / Malin Bomberg (<i>idem</i>)
10:20	O-52607	Use of acoustic emission to characterize microbiological corrosion evolution Pierre Souquet (TOTAL S.A. CSTJF) / Aline Poisson (CORRODYS) / Hervé Gueune (CORRODYS) / Alain Proust (MISTRAS GROUP SAS)
10:40		Coffee Break
Joffre 5		Microbial Corrosion
Chair(s)		P. Cristiani
11:10	O-52137	MIC of cast iron infrastructure Robert Melchers (University of Newcastle)
11:30	O-69155	Bacterial corrosion: risk assessment in a district cooling system Michèle Merchat (Climespace)
11:50	O-62212	Microbiologically influenced corrosion study of epoxy coated mild steel in different aqueous environments Umadevi Vadamadurai Rathinavelu (TUDELFT) / Arjan Mol (<i>idem</i>) / Yaiza Gonzalez-Garcia (<i>idem</i>)
12:10	O-55672	Novel biocides for microbiologically influenced corrosion Satoshi Wakai (Kobe University)
12:30	O-63672	A study of sulfate reducing bacteria influenced corrosion of stainless steel SS316L in reclaimed water added with additives Jin Li (Beijing Jiaotong University) / Jiuyi Li (<i>idem</i>) / Yu Qi (<i>idem</i>) / Fangfang Wu (<i>idem</i>) / Yunhai Su (<i>idem</i>) / Rui Liang (<i>idem</i>) / Zhongyuan Huang (<i>idem</i>)
12:50		Lunch

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Joffre 5		Microbial Corrosion
Chair(s)		<i>R. Basseguy</i>
14:00	O-63337	Efficient inhibition of sulfate-reducing biofilm formation using the biodegradable chelating agent EDDS Martin Vad Bennetzen (Maersk Oil) / Steffen Sanvig Bach (<i>idem</i>) / Morten Poulsen (Danish Technological Institute) / Rikke Markfoged (<i>idem</i>)
15:40	Closing Ceremony / End of EUROCORR 2016	

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Joffre 4		Marine Corrosion
Chair(s)		<i>U. Kivisäkk / P. Refait</i>
9:00	O-55642	Sea-salt deposition and wetness time in brace steel pipes observed using atmospheric corrosion monitoring sensors Fuse Norikazu (Central Research Institute of Electric Power Industry) / Atsushi Naganuma (Central Research Institute of Electric Power Industry) / Tetsuo Fukuchi (Central Research Institute of Electric Power Industry) / Jun-ichi Tani (Central Research Institute of Electric Power Industry) / Yasuhiko Hori (Central Research Institute of Electric Power Industry)
9:20	O-63122	Salt-induced iron corrosion under evaporating sessile droplets of aqueous sodium chloride solutions Florence Lequien (CEA SCCME/LECNA)
10:40		Coffee Break

Joffre 4		Self-healing Coatings
Chair(s)		<i>M. Ferreira / N. Pébère</i>
11:10	O-67062	Active corrosion protection of steel by Ce containing conversion films Rimantes Ramanauskas (Center for Physical Sciences and Technology) / Olga Girciene (Center for Physical Sciences and Technology) / Laima Gudaviciute (Center for Physical Sciences and Technology) / Algirdas Selskis (Center for Physical Sciences and Technology) / Vitalija Jasulaitiene (Center for Physical Sciences and Technology)
11:30	O-51967	Corrosion protection of carbon steel by solvent free epoxy coating containing hydrotalcites modified by different organic corrosion inhibitors Thuy Duong NGUYEN (Université de Mons) / Thi Xuan Hang To (Institute for Tropical Technology, Vietnam Academy of Science and Technology) / Yoann Paint (Materia Nova Research Center) / Marie-Georges Olivier (Université de Mons (UMONS), Faculté Polytechnique, Service de Science des Matériaux)
11:50	O-63562	Contribution of the local electrochemical impedance technique to investigate self-healing properties of waterborne coatings on 2024 aluminium alloy Nadine Pébère (CIRIMAT, UMR CNRS 5085) / Anh Son Nguyen (CIRIMAT)
12:10	O-60752	On-demand release of mercaptobenzoxazole from NaX zeolite nanoparticles for corrosion inhibition of mild steel Leili Rassouli (University of Tehran) / Reza Naderi (University of Tehran) / Mohammad Mahdavian (Institute for Color Science and Technology) / Amir Masoud Arabi (Institute for Color Science and Technology)
12:30	O-60777	Active corrosion protection coatings containing nanoparticles of layered double hydroxides Mário G. S. Ferreira (University of Aveiro) / Joao Tedim (University of Aveiro) / Mikhail Zheludkevich (Institute of Materials Research Helmholtz-Zentrum Geesthacht (HZG)) / Andrei Salak (University of Aveiro)
12:50		Lunch

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Joffre 4		Self-healing Coatings
Chair(s)		<i>M. Ferreira / N. Pébère</i>
14:00	O-54042	Active corrosion protection of PEO (Plasma Electrolytic Oxidation) coated AA2024 based on LDH (Layered Double Hydroxide) Marta Moledano (Helmholtz Zentrum Geesthacht, Magnesium Innovation Centre) / Maria Serdechnova (Helmholtz Zentrum Geesthacht) / H. Jo (Helmholtz Zentrum Geesthacht) / Carsten Blawert (Helmholtz Zentrum Geesthacht) / Raul Arrabal (Universidad Complutense) / Endzhe Matykina (Universidad Complutense) / Sergey Karpushenkov (Belarusian State University) / Mikhail Zheludkevich (Helmholtz Zentrum Geesthacht)
14:20	O-50882	Self-healing and corrosion protection of composite film of mussel adhesive proteins and CeO₂ nanoparticles on carbon steel Chengdong Chen (Xiamen University & KTH Royal Institute of Technology) / Changjian Lin (Xiamen University) / Jinshan Pan (KTH Royal Institute of Technology)
14:40	O-51037	Evaluation of the active corrosion protection and self-healing properties of a silane sol-gel coating doped with Zn-Al-PO₄-layered double hydroxide nanoparticles Ramezanzadeh Bahram (Surface Coating and Corrosion Department, Institute for Color Science and Technology, Tehran, Iran) / Iman Alibakhshi (Inorganic pigment and glazes department, Institute for Color Science and Technology, Tehran, Iran) / E. Ghasemi (Inorganic pigment and glazes department, Institute for Color Science and Technology, Tehran, Iran) / M. Mahdavian (Surface Coating and Corrosion Department, Institute for Color Science and Technology, Tehran, Iran) / S. Farashi (Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran)
15:00	O-51757	Nano-clay as an ion exchange reservoir for corrosion inhibition Mohammad Mahdavian (Institute for Color Science and Technology) / E. Ghasemi (Institute for Color Science and Technology) / B. Ramezanzadeh (eghasemi@iust.ac.ir) / A. Ghazi (Institute for Color Science and Technology) / Sajjad Farashi (Shahid Beheshti University of Medical Sciences)
15:20	O-53707	The leaching mechanisms of strontium aluminium polyphosphate in a model polyester primer on galvanized steel Seyedgholamreza Emad (The University of Manchester) / Xiaorong Zhou (The University of Manchester) / Stuart Lyon (The University of Manchester) / Derek Graham (AkzoNobel) / Simon Gibbon (AkzoNobel) / Dave Francis (AkzoNobel)
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Sully 3 Corrosion and Scale Inhibition		
Chair(s) G. Schmitt		
9:00	O-59252	Exploring the corrosion inhibition performance of quaternary ammonium salts Monika Walczak (The University of Manchester) / Turia Belashehr (<i>idem</i>) / Robert Lindsay (<i>idem</i>)
9:20	O-54797	Inhibiting effects of some Schiff bases on the corrosion of bronze exposed to artificial acidic rain Cecilia Monticelli (University of Ferrara - Tecnopolo of Ferrara) / Andrea Balbo (<i>idem</i>) / Jerome Esvan (Université de Toulouse) / Cristina Chiavari (University of Bologna) / Carla Martini (<i>idem</i>) / Federica Zanotto (University of Ferrara - Tecnopolo of Ferrara) / Lorenza Marvelli (University of Ferrara) / Luc Robbiola (TRACES lab (CNRS UMR5608), University of Toulouse)
9:40	O-60687	Effect of ceria nanoparticles on the corrosion inhibition of pectin for X60 steel in HCl solution Saviour Umoren (King Fahd University of Petroleum and Minerals)
10:00	O-69165	Electrochemical, quantum chemical, Monte Carlo simulations and QSAR studies on some hydantoin derivatives as corrosion inhibitors for mild steel in 1 M HCl solution Bryan P. Moloto (Department of Chemistry and Material Science Innovation & Modelling (MaSIM) Research Focus Area, Faculty of Agriculture, Science and Technology, North-West University) / Lukman O. Olasunkanmi (<i>idem</i>) / Baskar Ramaganthan (<i>idem</i>) / Ime B. Obot (Centre of Research Excellence in Corrosion, Research Institute, King Fahd University of Petroleum and Minerals) / Eno E. Ebenso (Department of Chemistry and Material Science Innovation & Modelling (MaSIM) Research Focus Area, Faculty of Agriculture, Science and Technology, North-West University)
10:20	O-62292	Optimization of nigella sativa extract as a corrosion inhibitor for copper in hydrochloride acid Rania Souli (UTINAM Besançon France/ COPROMET-ENIT Tunisia)
10:40 Coffee Break		
Sully 3 Corrosion and Scale Inhibition		
Chair(s) G. Schmitt		
11:10	O-51252	Biodegradable corrosion inhibitors for mild steel in salty and acidic media Ismail Aiad (Egyptian Petroleum Research Institute) / Samy Shaban (<i>idem</i>) / Mohamed Asker (<i>idem</i>)
11:30	O-64982	Electrochemical, quantum chemical calculations, molecular dynamic simulations and QSAR studies on some quinoxaliny-pyrazolyl-methanesulfonamides as corrosion inhibitors for mild steel in acidic medium Lukman Olasunkanmi (North-West University) / Eno Ebenso (<i>idem</i>)
11:50	O-52262	Corrosion inhibition and adsorption properties of Petiveria alliacea extract on brass in acid media Olufemi Adeyemi (Olabisi Onabanjo University) / Omowunmi Olubomehin (<i>idem</i>)
12:50 Lunch		
Sully 3 Corrosion and Scale Inhibition		
Chair(s) G. Schmitt		

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Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
9:00	O-53877	Corrosion and pH prediction in the annulus of flexible pipes under high pressure of CO₂ Jean Kittel (IFP Energies nouvelles) / Remy Mingant (IFP Energies nouvelles) / Francois Grosjean (IFP Energies nouvelles) / Li Ke (Technip) / Carol Taravel-Condat (Technip) / Bruno Vuillemin (LICB) / Maxime Vaufléury (LICB)
9:20	O-58107	Building reliable corrosion fatigue S-N curves for wires in flexible pipes Sandra Leang (Technip) / Nicolas Desamais (Technip) / Elias Remita (Technip)
9:40	O-66017	Corrosion assessment of the 17 year old Åsgard Smørbrukk umbilical Karin van Thoor (Aker Solutions AS) / Sophia Ekman (SMT Research and Development)
10:00	O-50422	CFD simulation of erosion-corrosion in rough-bore flexible risers carrying multiphase flow Seyed Mohammad Kazem Hosseini (Saipem Limited) / Seyed Mohammad Hadi Hosseini (School of Chemical Engineering, Iran University of Science and Technology,)
11:20	O-50212	Ultrasonic computerized tomography for continuous monitoring of corrosion and erosion damage in pipelines Geir Instanes (ClampOn AS)
10:40		Coffee Break
Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
11:10	O-52242	Sacrificial anode attachment to subsea thermally insulated pipelines Martin Ronceray (Wood Group Kenny Limited)
11:30	O-54262	CO₂ corrosion behaviour of X65 carbon steel pipeline under flowing conditions Mustafa Hashim (University Of Leeds.) / Nik Kapur (University of Leeds) / Anne Neville (University of Leeds)
11:50	O-51177	The influence of welding parameter on Corrosion behavior weld zone of gas pipe line Esmaeil Jafari (Islamic Azad University)
12:10	O-52067	Corrosion risk management affected by design and execution decisions – a case study of pipeline thermowell insertion failure in Kuwait Oil Company Prakash Samudrala (Kuwait Oil Company) / Amer Jaragh (Kuwait Oil Company) / Saleh Ali AL-Sulaiman (Kuwait Oil Company) / Mohamed Hussein Ismail (Kuwait Oil Company)
12:30	O-62512	Remote diagnostics of underground, underwater, aboveground pipelines using controlled unmanned systems Michael Getmansky (Intercor, Inc., Boston, USA) / Efim Lyublinski (COR/SCI, Solon, USA) / Boris Verbitsky (AMT-Asmos LLC, Moscow, Russia) / Ilya Sivokon (Intercor, Inc., Boston, USA)
12:50		Lunch

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Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
14:00	O-68182	Internal corrosion control of multiphase sour gas pipelines by pH stabilization Mehdi Askari (Pars Oil and Gas Company (POGC)) / Sahar Afroukhteh (Pars Oil and Gas Company (POGC))
14:20	O-67397	Development of composite coatings for slotted liners in steam assisted gravity drainage systems Hong Luo (University of Alberta) / Ermia Aghaie (University of Alberta) / Qinying Wang (University of Alberta) / Michael Leitch (RGL Reservoir Management Inc.) / Hongbo Zeng (University of Alberta) / Jing-Li Luo (University of Alberta)
15:40	Closing Ceremony / End of EUROCORR 2016	

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Louisville		Coatings for High Temperatures
Chair(s)		M. Galetz
9:00	O-58467	Influence of the electroless nickel coating porosity on the gray cast iron corrosion resistance under halogen environment Igor Forestier (Univ. Grenoble Alpes, SIMAP / Pfeiffer Vacuum SAS) / Gregory Berthomé (Univ. Grenoble Alpes, SIMAP) / Yves Wouters (<i>idem</i>) / Laëtitia Popin (Pfeiffer Vacuum SAS) / Thierry Neel (<i>idem</i>)
9:20	O-58412	Corrosion-erosion behaviour of Fe- and FeNi-based coating materials containing silicides and borides under biomass firing conditions Raluca-Elena Pflumm (DECHEMA-Forschungsinstitut) / Kamila Armatys (Bundesanstalt für Materialforschung und –prüfung) / Burkart Adamczyk (<i>idem</i>) / Mathias Galetz (DECHEMA-Forschungsinstitut)
9:40	O-69685	Effect of boron on the kinetics of ZrSiO₄ formation Franck Nozahic (CIRIMAT, équipe MEMO, ENSIACET) / Alexandra Lucia Carabat (Department of Materials Science and Engineering, TU Delft) / Sybrand Van der Zwaag (<i>idem</i>) / Claude Estournès (CIRIMAT, équipe NNC, Université Paul Sabatier) / Daniel Monceau (CIRIMAT, équipe MEMO, ENSIACET)
10:40		Coffee Break

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Louisville		Corrosion Issues for Renewable Energies
Chair(s)		P. Marcus
11:10	O-57952	Corrosion mechanisms of intermetallics used as anodes in Ni-MH batteries during electrochemical cycling Judith Monnier (Université de Paris Est, ICMPE UMR 7182 CNRS-UPEC) / Véronique Charbonnier (<i>idem</i>) / Nicolas Madern (<i>idem</i>) / Junxian Zhang (<i>idem</i>) / Michel Latroche (<i>idem</i>) / Suzanne Joiret (LISE UMR 8235 UPMC-CNRS) / Beatriz Puga (<i>idem</i>) / Vincent Vivier (<i>idem</i>) / Lionel Goubault (SAFT - Direction de la Recherche) / Patrick Bernard (<i>idem</i>)
11:30	O-67527	Degradation of selective solar absorber surfaces in solar thermal collectors – an EIS study Joao Fernandes (Instituto Superior Tecnico) / Ana Nunes (Laboratório Nacional de Energia e Geologia, I.P. (LNEG)) / Maria Joao Carvalho (<i>idem</i>) / Teresa Diamantino (<i>idem</i>)
11:50	O-68510	Oxidations behavior of austenitic stainless steel at high temperature in thermal solar plants Susana Merino Oviedo (Materials of Energy Interest Division - CIEMAT) / Gonzalo de Diego (<i>idem</i>) / Víctor Ruiz (<i>idem</i>)
12:10	O-66692	Stability of calcia-stabilized zirconia in fluoride molten salts under different voltage Hongqiang Nian (Shanghai Institute of Ceramic, Chinese Academy of Sciences) / Pan Wang (<i>idem</i>) / Danyu Jiang (<i>idem</i>)
12:50	Lunch	
Louisville		Corrosion Issues for Renewable Energies
Chair(s)		J. Monnier
14:00	O-69255	DNV GL standard harmonization – Recommended practice of corrosion protection for wind turbines Lars Lichtenstein (DNV GL - Energy, Renewables Certification)
14:20	O-67987	Modelling corrosion in geothermal systems Marion Seiersten (Institute for Energy Technology) / Rolf Nyborg (Institute for Energy Technology)
15:40	Closing Ceremony / End of EUROCORR 2016	

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Sully 2		Corrosion Mechanisms, Methods and Modelling
Chair(s)		J.M.C. Arjan Mol
9:00	O-68615	Localized corrosion resistance of dissimilar aluminium alloys joined by friction stir welding (FSW) investigated by LEIS Caio Abreu (Instituto de Pesquisas Energéticas e Nucleares) / Hercilio de Melo (Polytechnic School of the University of São Paulo) / Isolda Costa (Instituto de Pesquisas Energéticas e Nucleares) / Nadine Pébère (Université de Toulouse, CIRIMAT, UPS/INPT/CNRS, ENSIACET) / Vincent Vivier (LISE-CNRS-UMR)
9:20	O-65852	Investigation of the corrosion resistance of dissimilar Al-steel welds with NSS and potentiodynamic corrosion testing Bernadette Gsellmann (Graz Technical University) / Konstantin Reinmüller (<i>idem</i>) / Andreas Hütter (<i>idem</i>) / Mahsa Razavi (University of Tehran) / Rudolf Vallant (Graz Technical University) / Thomas Meinschad (DOKA GmbH) / Norbert Enzinger (Graz Technical University)
9:40	O-63527	Effect of power LASER density on the corrosion behavior of Yb:YAG welded titanium alloys Jean-Denis Beguin (Université de Toulouse, LGP, ENIT/INPT) / Loic Lacroix (ENIT) / Jeremie Graneix (Université de Toulouse, LGP, ENIT/INPT) / Christine Blanc (Université de Toulouse, Institut CARNOT CIRIMAT, UPS/CNRS/INPT, ENSIACET) / Eric Andrieu (<i>idem</i>) / Joel Alexis (Université de Toulouse, LGP, ENIT/INPT)
10:00	O-59087	Electrochemical degradation behaviour of an electron beam-welded steel cast alloy in sodium chloride and in sulphuric acid solution Marcel Mandel (TU Bergakademie Freiberg)
10:20	O-54142	Local electrochemical current density potential measurements at laser welded seams for the application in building micro reactor compounds for aggressive chemical process media Thomas Traut (DECHEMA-Forschungsinstitut) / Wolfram Furbeth (<i>idem</i>) / Thomas Gietzelt (Karlsruher Institut für Technologie)
10:40	Coffee Break	
Sully 2		Corrosion Mechanisms, Methods and Modelling
Chair(s)		R. Oltra
11:10	O-53972	Numerical analysis of galvanic corrosion of Zn-Fe couple under thin NaCl solution layer Yuichi Kamo (JFE Steel Corporation) / Yuichi Watanabe (<i>idem</i>) / Daisuke Mizuno (<i>idem</i>)
11:30	O-58447	Influence of concrete cracks on the corrosion of steel rebar. A finite element analysis Rodrigo Montoya Lopez (VUB - Vrije Universiteit Brussel) / Johan Deconinck (<i>idem</i>) / Iris De Graeve (<i>idem</i>)
11:50	O-68387	Investigation of concentric ring corrosion affecting bright ferrous artefacts Douglas Mills (University of Northampton) / Stephen Mabbutt (<i>idem</i>) / Hosam Alsubhi (<i>idem</i>)
12:10	O-53607	Modelling the effect of the stability of the corrosion products on the corrosion rate of carbon steel in anoxic conditions Bruno Vuillemin (Laboratoire ICB, UMR 6303 CNRS – Université de Bourgogne Franche Comté) / Roland Oltra (<i>idem</i>) / Maalek Mohamed-Said (<i>idem</i>) / Laurent Trenty (Andra, Direction de la Recherche et Développement) / Didier Crusset (<i>idem</i>)
12:30	O-55792	Corrosion mechanisms of tin in deoxygenated acid solutions Fabio Cova Caiazzo (EPFL) / Laura Brambilla (HE-Arc conservation-restoration) / Stefano Mischler (EPFL)
12:50	Lunch	

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Sully 2		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>V. Maurice</i>
14:00	O-58222	Ab initio Monte Carlo simulations of the acidic dissolution of stainless steels part I: principles and methods Brahim Malki (SIMORG System) / Saghi Saedlou (APERAM Research Center) / Ismael Guillotte (APERAM Research Center) / Bernard Baroux (SIMAP, Grenoble INP)
14:20	O-58247	Ab initio Monte Carlo simulations of the acidic dissolution of stainless steels part II: some industrial applications Brahim Malki (SIMORG System) / Saghi Saedlou (APERAM Research Center) / Ismael Guillotte (APERAM Research Center) / Bernard Baroux (SIMAP, Grenoble INP)
15:40	Closing Ceremony / End of EUROCORR 2016	