

**Monday 12 September 2016**

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

## Monday 12 September 2016

Rondelet		Metallic Coatings
Chair(s)		<i>M. Olivier / M. Poelman</i>
13:40	O-64852	<b>Alternative to cadmium coatings: AlMn based coatings by magnetron sputtering</b> 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	<b>Alternative coatings to cadmium for wet corrosion protection</b> 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) / <del>Lukasz Szarajka (<i>idem</i>)</del> <b>Cancelled</b> Pawel Rokicki (TU Rzeszow)
14:20	O-63067	<b>Microstructure and corrosion behavior of cold sprayed SiCp/Al 5056 composite coatings</b> 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	<b>Corrosion resistant metallic coatings for bipolar plates of proton exchange membrane fuel cells</b> Eva García-Lecina (Fundación CIDETEC) / Malo Carradot (INSA-Lyon) / Benoit Ter-Ovanessian ( <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	<b>Galvanic coupling criticality of passive stainless steel coated by noble materials: Role of porosity morphology and distribution</b> Malo Carradot (INSA-Lyon) / Benoit Ter-Ovanessian ( <i>idem</i> ) / Bernard Normand ( <i>idem</i> )
15:20	O-57497	<b>Production, microstructural characterization and corrosion properties of Ni/B electrodeposits with low B content</b> Ruben Offoiach (University of Udine) / Maria Lekka ( <i>idem</i> ) / Alex Lanzutti ( <i>idem</i> ) / Lorenzo Fedrizzi ( <i>idem</i> )
15:40		<b>Coffee Break</b>
Rondelet		Metallic Coatings
Chair(s)		<i>M. Olivier / M. Poelman</i>
16:10	O-55892	<b>Corrosion behavior of heat treated electroless Ni-P/Ni-B duplex coatings</b> Luiza Bonin (University of Mons) / Elodie Francq ( <i>idem</i> ) / Véronique Vitry ( <i>idem</i> )
16:30	O-57137	<b>On the microstructure and corrosion properties of Ni matrix composite electrodeposits containing either micro- or nano- aluminium particles</b> 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	<b>Effect of gelatin on the electrocrystallization and corrosion behavior of Ni-Co alloy coated from sulfate media</b> Imen Kharmachi (ENIT) / Leila Dhouibi (ENIT) / Patrice Berçot (UTINAM) / El-Mustafa Rezzazi (UTINAM)
17:10	O-63302	<b>Corrosion behaviour in acidic solution of Ni-W nanostructured alloys: influence of the metallurgical state</b> Mathieu Lagarde (LaSIE) / Niusha Shakibi Nia (LaSIE) / Juan Creus (LaSIE) / Xavier Feaugas (LaSIE) / Alain Billard (LERMPS) / Catherine Savall (LaSIE)
17:30	O-62082	<b>Electrochemical studies and numerical modelling of laser alloyed Al-Sn coating on UNS G10150 steel in saline environment</b> Olawale Fatoba (Tshwane University of Technology) / Abimbola Popoola ( <i>idem</i> ) / Sisa Pityana ( <i>idem</i> )
18:30		<b>Exhibition Opening and Reception</b>

## Monday 12 September 2016

Barthez		Advanced Analytical Methods for Corrosion Research
Chair(s)		J.M.C. Arjan Mol
13:40	O-66762	<b>Investigation of the role of iron content on crevice corrosion behaviour of Grade-2 titanium using atom probe tomography</b> James J. Noel (The University of Western Ontario) / Nafiseh Ebrahimi (The University of Western Ontario) / Xihua He (Southwest Research Institute) / Dmitrij Zagiduin (The University of Western Ontario) / Mukesh Bachhav (The University of Michigan) / Emmanuelle Marquis (The University of Michigan) / David W. Shoosmith (The University of Western Ontario)
14:00	O-59672	<b>Principal component analysis used for structural and elementary data coming from iron corrosion products layer</b> 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	<b>New ToF-SIMS methodology to identify the chemical or bacterial origin of iron sulfides</b> Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Antoine Seyeux ( <i>idem</i> )
14:40	O-53592	<b>Intergranular corrosion propagation rate of 2024 alloy investigated via the "1D Artificial Pit Technique"</b> Roland Oltra (Université de Bourgogne) / Rémy Bonzom (Laboratoire ICB, UMR 6303 CNRS – Université de Bourgogne Franche Comté, France)
15:00	O-52457	<b>The application of scanning tunnelling microscopy to study in situ passivation at metal grain boundaries</b> 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 Verbeke (Ghent University) / Philippe Marcus (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS)
15:20	O-52827	<b>Local probing study of corrosion behaviour of a martensitic stainless steel</b> Krishnan Hariramabadrana 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		<b>Coffee Break</b>
Barthez		Advanced Analytical Methods for Corrosion Research
Chair(s)		V. Maurice
16:10	O-55872	<b>Corrosion behavior of AA8xxx alloys for application in the HVAC&amp;R field</b> Francesco Andreatta (University of Udine) / Alex Lanzutti ( <i>idem</i> ) / Lorenzo Fedrizzi ( <i>idem</i> )
16:30	O-67712	<b>Non-destructive visualisation of delamination in or under thick organic coatings using active IR thermography</b> 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	<b>Photoelectrochemical monitoring of rouging and de-rouging process on AISI 316L for chemical reactors</b> Francesco Di Franco (University of Palermo) / M. Santamaria ( <i>idem</i> ) / G. Massaro ( <i>idem</i> ) / Francesco Di Quarto ( <i>idem</i> )
18:30		<b>Exhibition Opening and Reception</b>

## Monday 12 September 2016

Joffre C+D		Environment Sensitive Fracture
Chair(s)		<i>K. Wolski</i>
13:40	O-54392	<b>Assessment of microstructure susceptibility to Environmentally-Assisted Cracking (EAC) of a TIG welded grade 2205 duplex stainless steel</b> 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	<b>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</b> 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	<b>Effect of microstructure and local mechanical fields on intergranular stress corrosion cracking of a friction stir welded Aluminum-Copper-Lithium 2050 nugget</b> Isabelle Aubert (Université de Bordeaux/I2M) / Matthieu Dhondt (ENSTA/Laboratoire Brestois de Mécanique et des Systèmes - EA 4325) / Nicolas Saintier (ENSAM/I2M) / Jean-Marc Olive (CNRS, I2M)
14:40	O-56907	<b>Corrosion and stress corrosion sensitivity of similar and dissimilar aluminium alloys friction stir weldments</b> 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	<b>Contribution of hydrogen in stress corrosion cracking of a 7xxx aluminium alloy in chloride solution</b> Loïc Oger (CIRIMAT) / Lionel Peguet (Constellium Technology Center) / Eric Andrieu (CIRIMAT) / Grégory Odemer (CIRIMAT) / Christine Blanc (CIRIMAT)
15:20	O-56937	<b>Modelling of hydrogen desorption to internal cavities during heat-treatment of a low alloy steel</b> 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		<b>Coffee Break</b>
Joffre C+D		Environment Sensitive Fracture
Chair(s)		<i>K. Wolski</i>
16:10	O-63657	<b>Hydrogen embrittlement of twinning induced plasticity steels</b> 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	<b>Effect of nickel in solid solution on hydrogen transport kinetics in low alloy steels</b> Hans Husby (Norwegian University of Science and Technology) / Roy Johnsen (Norwegian University of Science and Technology) / Mariano Iannuzzi (GE Oil & Gas) / Afrooz Barnoush (Norwegian University of Science and Technology)

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<b>16:50</b>	O-70045	<p><b>Hydrogen permeation in dual phase (DP) and quenched and partitioned (Q&amp;P) advanced high strength steels (AHSS) under cathodic charging and simulated service conditions</b></p> <p>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 &amp; Steel Co., Ltd, Research Institute) / Andrej Atrens (The University of Queensland, Division of Materials, School of Mining and Mechanical Engineering)</p>
<b>17:10</b>	O-54572	<p><b>Suceptibility to hydrogen embrittlement for C72900 exposed to H<sub>2</sub>S environment and under cathodic polarisation in simulated seawater</b></p> <p>Roy Johnsen (NTNU) / Torstein Lange (SINTEF) / Jim Stian Olsen (Aker Solutions)</p>
<b>17:30</b>	O-57067	<p><b>Atmospheric Stress Corrosion Crack Growth Rate Analyses of Austenitic Stainless Steel</b></p> <p>Todd Mintz (Southwest Research Institute) / James Dante (Southwest Research Institute) / James Feiger (Southwest Research Institute) / Erica Macha (Southwest Research Institute)</p>
<b>18:30</b>	<b>Exhibition Opening and Reception</b>	

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

## Monday 12 September 2016

Barcelona		Accelerated Corrosion Testing, Science - Lab & Field
Chair(s)		<i>E. Szala / M. Zheludkevich</i>
13:40	O-61012	<b>Correlation between accelerated and natural corrosion testing with application of digital image analysis</b> 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	<b>Corrosion behavior of metallic coated and stainless steels in natural soils and laboratory conditions</b> 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	<b>Drying phases of cyclic corrosion tests: Do we know what happens?</b> Tomas Prosek (University of Chemistry and Technology, Technopark Kralupy) / Václav Šefl ( <i>idem</i> )
14:40	O-52892	<b>The use of corrosion coupons to control atmospheric corrosion salt spray tests</b> 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	<b>Impact of cyclic humidity testing on titanium oxide layers</b> 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	<b>Atmospheric corrosion of zinc coatings – a time and laterally resolved study</b> 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		<b>Coffee Break</b>
Barcelona		Accelerated Corrosion Testing, Science - Lab & Field
Chair(s)		<i>T. Hack / E. Szala</i>
16:10	O-66832	<b>Characterization of galvanic couples under atmospheric electrolytes using electrochemical polarization and coupled array techniques</b> James Dante (Southwest Research Institute) / Erica Macha ( <i>idem</i> )
16:30	O-66262	<b>Methodology for assessing durability of anticorrosion coatings in storage from laboratory tests</b> 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	<b>Corrosion protection by coatings – how to figure out the best systems for practise?</b> Günter Binder (Bundesanstalt für Wasserbau (BAW))
17:10	O-61122	<b>Qualification of coating systems in case of severe erosion in penstock</b> Philippe Le Calve (ANTICORR CONSEIL) / Gambiez Bruno (EDF) / Mourrat xavier ( <i>idem</i> ) / Aumelas vivien (Ylec Consultants) / Maj Guillaume ( <i>idem</i> )
17:30		<b>Wrap-up of Joint Session, discussion and outlook</b> Elisabeth Szala, Mikhail Zheludkevich, Theo Hack
18:30		<b>Exhibition Opening and Reception</b>

## Monday 12 September 2016

Joffre 5		Corrosion of Steel in Concrete Session dedicated to Jürgen Mietz's 60 <sup>th</sup> Birthday
Chair(s)		<i>M. Raupach / D. M. Batisdas</i>
13:40	K-63387	<b>Keynote Lecture</b> <b>Integrated corrosion monitoring systems for steel in concrete - concepts and actual developments</b> Michael Raupach (RWTH Aachen University) / Oskar Klinghoffer (FORCE Institute Concrete Inspection and Analysis Department) / Christian Helm (RWTH Aachen University)
14:20	O-60992	<b>Corrosion rate of steel in carbonated concrete made with modern binders</b> Bernhard Elsener (ETH Hönggerberg) / Ueli Angst (ETH Zurich) / Matteo Stefanoni (ETH Zurich)
14:40	O-62302	<b>The use of coated steel in concrete</b> 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	<b>Corrosion of galvanized reinforcement in carbonated concrete</b> 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	<b>Carbonation induced corrosion of steel in mortar based on low pH binders</b> 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		<b>Coffee Break</b>
Joffre 5		Corrosion of Steel in Concrete
Chair(s)		<i>M. Raupach / D. M. Batisdas</i>
16:10	O-56207	<b>Effect of pH on the passivity of steel in simulated alkali-activated concrete pore solutions</b> 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	<b>The influence of slag composition on corrosion of steel reinforcement in alkali activated materials</b> Maria Criado (The University of Sheffield) / Susan Bernal (The University of Sheffield) / John Provis (The University of Sheffield)
16:50	O-60817	<b>The effect of mixed cement types on steel in mortar at different environments</b> 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	<b>Impact of the initial chloride content on the corrosion rate evolution of reinforced Belite-Yeelimite-Ferrite (BYF) cement mortars</b> Guilherme KOGA (LafargeHolcim Research Center) / Paul COMPERAT (LafargeHolcim Research Center) / Blandine ALBERT (LafargeHolcim Research Center) / Ricardo NOGUEIRA (LEPMI-INP Grenoble)
17:30	O-50862	<b>Electrochemical study on the behaviour of prestressing steel in alkaline solutions: Influence of cement type</b> Ioan Pепенar (ICECON Group Research Centre CERTINCON)
18:30		<b>Exhibition Opening and Reception</b>



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<b>Joffre 4</b>		<b>Corrosion Reliability of Electronics Devices and Materials</b>
<b>Chair(s)</b>		<i>H. Schweigart / M.S. Jellesen</i>
<b>13:40</b>	O-69875	<b>An overview on the corrosion reliability of electronics</b> Rajan Ambat (Center for Electronic Corrosion, Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark)
<b>14:00</b>	K-69885	<b>Keynote Lecture</b> <b>Reliability of electrics and electronics in an automotive context; Examples addressing encapsulations and humidity dynamics</b> Mats Ström (Volvo Car Group)
<b>14:30</b>	K-69930	<b>Keynote Lecture</b> <b>Material and Process Influences on conductive anodic filament formation</b> David Humby (Isola Group)
<b>15:00</b>	O-64497	<b>Thermal effects in electronic systems: new results on electrochemical corrosion and their correlations</b> Katharina Schultz (Robert Bosch GmbH) / Felix Petri (Robert Bosch GmbH)
<b>15:20</b>	O-69895	<b>Interpretation of corrosion observed after IPC humidity test on PCB's with various flux types and electrical loads.</b> 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)
<b>15:40</b>	<b>Coffee Break</b>	
<b>Joffre 4</b>		<b>Corrosion Reliability of Electronics Devices and Materials</b>
<b>Chair(s)</b>		<i>R. Ambat / M.S. Jellesen</i>
<b>16:10</b>	O-50932	<b>Procedure comparison for estimating the PCBA service life at moist climate exposure</b> Helmut Schweigart (Dr. O.K. Wack Chemie GmbH)
<b>16:30</b>	O-52937	<b>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</b> 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 )
<b>16:50</b>	O-62522	<b>Characterization of humidity effects on electronics by means of impedance spectroscopy</b> Vadimas Verdingovas (Technical University of Denmark (DTU)) / Morten Stendahl Jellesen (Technical University of Denmark) / Rajan Ambat (Technical University of Denmark)
<b>17:10</b>	O-59767	<b>Electrochemical migration of Ni and ENIG surfaces finishes during thermal humidity bias test</b> Bálint Medgyes (Budapest University of Technology and Economics (BME))
<b>18:30</b>	<b>Exhibition Opening and Reception</b>	

## Monday 12 September 2016

Sully 3		Corrosion of Archaeological and Historical Artefacts
Chair(s)		<i>D. Neff / J. Stoullil</i>
13:40	O-55272	<b>Impact of washed naturally formed and synthetic <math>\beta\text{FeOOH}</math> on corrosion rate of iron as a function of relative humidity</b> Nicola Emmerson (Cardiff University) / David Watkinson (Cardiff University)
14:00	O-55342	<b>Corrosion rates of marine archaeological cast iron as a function of relative humidity and treatment</b> 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	<b>Dechlorination of ferrous archaeological artefacts in subcritical conditions: understanding of the corrosion layer transformation thanks to a multi-scale characterisation</b> 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	<b>Atmospheric corrosion effects on silver artefacts in a Museum Basement</b> Sabrina Grassini (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia) / Emma Angelini (Politecnico di Torino, Dipartimento di Scienza Applicata e Tecnologia) / Olga Papadopoulou (National 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	<b>Electrochemical evaluation of natural and organic inhibitors in the tarnish of silver for their conservation and restauration</b> 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	<b>Potential application of analytical methods to detect and characterize coatings on metal cultural heritage objects</b> T. Davidowitz (University of Amsterdam/Rijksmuseum) / J.M.C. Mol (Delft University of Technology) / H. Terryn (Vrije Universiteit Brussel) / E.K. van Bork (University of Amsterdam/Rijksmuseum) / S. Creange (Rijksmuseum) / J. van Bennekom (Rijksmuseum)
15:40		<b>Coffee Break</b>
Sully 3		Corrosion of Archaeological and Historical Artefacts
Chair(s)		<i>D. Watkinson / C. Chiavari</i>
16:10	O-55147	<b>Protection of bronze against atmospheric corrosion in urban air</b> Gozde Tansug (Cukurova University) / Gokmen Sigircik (Cukurova University) / Tunc Tuken (Cukurova University)
16:30	O-58757	<b>An Investigation into Incalac: acrylic coatings for bronze outdoor sculpture at the Getty Museum</b> Rosie Grayburn (Getty Conservation Institute) / Julie Wolfe (J. Paul Getty Museum) / Herant Khanjian (Getty Conservation Institute)
16:50	O-67812	<b>Nano-<math>\text{Al}_2\text{O}_3</math> doped coatings for corrosion protection of Cu-based artefacts</b> 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 (Politecnico di Torino) / Marco Parvis (Politecnico di Torino, Dipartimento di Elettronica e Telecomunicazioni) / Venice Gouda (National Research Centre)

**Monday 12 September 2016**

<b>17:10</b>	O-56597	<b>Development of protective coatings for bronze objects</b> 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)
<b>17:30</b>	O-59157	<b>Atmospheric alteration of bronze bells</b> 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))
<b>18:30</b>	<b>Exhibition Opening and Reception</b>	

**Monday 12 September 2016**

<b>Joffre A+B</b>		<b>CO<sub>2</sub>-Corrosion in Industrial Capture, Transportation and Utilization Applications</b>
<b>Chair(s)</b>		<i>R. Bäßler</i>
<b>16:10</b>	O-62707	<b>Formation of corrosive aqueous phases in dense phase CO<sub>2</sub></b> Arne Dugstad (Institute f. Energy Technology) / Bjørn Morland (IFE)
<b>16:30</b>	O-62742	<b>Corrosion rate of carbon steel in pure water with increasing CO<sub>2</sub> pressure</b> Bjorn H. Morland (Institute for Energy Technology) / Arne Dugstad (Institute for Energy Technology) / Gaute Svenningsen (Institute for Energy Technology)
<b>16:50</b>	O-57777	<b>Performance of damaged and intact thermally sprayed Corrosion Resistant Alloy (CRA) coatings on carbon steel in supercritical CO<sub>2</sub> environments at different temperatures</b> Shiladitya Paul (Twi Ltd)
<b>17:10</b>	O-69810	<b>On the corrosion mechanism of CO<sub>2</sub> transport pipeline steels caused by impurities: Roles of each impure components and benchmarks</b> 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)
<b>18:30</b>		<b>Exhibition Opening and Reception</b>

**Monday 12 September 2016**

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

**Monday 12 September 2016**

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

**Tuesday 13 September 2016**

Rondelet		Metallic Coatings
Chair(s)		<i>M. Lekka / R. Feser</i>
8:40	O-64047	<b>Influence of alloy composition on performance of zinc-nickel coatings</b> Holger Sahrhage (COVENTYA GmbH)
9:00	O-61577	<b>Hydrogen embrittlement induced by alkaline electrochemical plating of Zinc-Nickel coatings on high strength steel specimens</b> 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	<b>Improving corrosion resistance of hot dip galvanized surfaces by alloying elements</b> Ralf Feser (IFINKOR Institut für Instandhaltung und Korrosionsschutztechnik gGmbH) / Lara Jaros ( <i>idem</i> )
9:40	O-56747	<b>Strain hardening effect on corrosion resistance of continuous hot-dip galvanized steel.</b> 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	<b>Corrosion characteristic of nanocrystalline Ni-W electrolytic coating</b> Zuliyet Adiguzel (Anadolu University) / Mustafa Anık (Eskisehir Osmangazi University)
10:20		<b>Coffee Break</b>
Rondelet		Metallic Coatings & Pretreatments
Chair(s)		<i>M. Lekka / R. Feser</i>
10:50	O-68535	<b>HVOF stainless steel coatings for corrosion protection of ZE41 magnesium alloy in different media</b> 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	<b>Trivalent chromium conversion coating on 2618 aluminium alloy: effects of a hydrogen peroxide post-treatment</b> 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	<b>Zr-based conversion film formation on single and multi-metal substrates and their interactions with functionalized molecules</b> 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	<b>Influence of process settings in an organic coating line on the conversion coating</b> Berend Boelen (Tata Steel Research) / Arno Harmsen (Tata Steel R&D) / Arnoud de Vooyts ( <i>idem</i> ) / Koen Lammers ( <i>idem</i> ) / Hans Winter ( <i>idem</i> ) / Piet van Tongeren (Tata Steel SPME)
12:30		<b>Lunch</b>

**Tuesday 13 September 2016**

<b>Rondelet</b>		<b>Pretreatments &amp; Organic Coatings</b>
<b>Chair(s)</b>		<b><i>W. Fürbeth / L. Fedrizzi</i></b>
<b>14:00</b>	O-61662	<b>The Influence of pH on the corrosion protection performance of a hybrid sol-gel derived coatings on carbon steel in aqueous medium</b> Abubakar Mohammed (Sheffield Hallam University) / Nayef M. Alanazi (Saudi Aramco) / Heming Wang (Sheffield Hallam University)
<b>14:20</b>	O-65692	<b>Nanostructured silane coatings for corrosion protection of carbon steel</b> Poovarasi Balan (Monash University Malaysia) / Raman R.K. Singh ( <i>idem</i> ) / Eng Seng Chan ( <i>idem</i> )
<b>14:40</b>	O-53832	<b>Development of novel waterborne thin organic coatings as base coats for multilayer coatings on hot dip galvanized steel.</b> Ville Saarimaa (Top Analytica Oy) / Jyrki Juhanoja ( <i>idem</i> ) / Antti Markkula (SSAB Europe Oy)
<b>15:00</b>	O-60587	<b>Enhanced surface protective performance of electrochemically synthesized Polypyrrole-CeO<sub>2</sub> nanocomposite coatings on AA2024 alloy</b> Arumugam Madhan Kumar (King Fahd University of Petroleum and Minerals (KFUPM))
<b>15:40</b>		<b>Coffee Break</b>
<b>Rondelet</b>		<b>Organic Coatings</b>
<b>Chair(s)</b>		<b><i>W. Fürbeth / L. Fedrizzi</i></b>
<b>16:10</b>	O-53637	<b>Effect of cold plasma process parameters for organosilicon deposition is carbon steel corrosion protection session performance</b> 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)
<b>16:30</b>	O-56757	<b>Repair coatings for thermally sprayed aluminium</b> Ole Knudsen (SINTEF Materials Technology) / Heidi Askestad (NTNU) / Vincent Gregoire (Statoil) / Rodgeir Aanesen (ConocoPhillips)
<b>17:50</b>		<b>Poster Session and Reception</b>



## Tuesday 13 September 2016

Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		G. Frankel
8:40	O-67122	<b>Heterogeneity of passive film formed on polycrystalline iron observed by in situ 2D-ellipsometry and micro-capillary cell technique</b> 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	<b>Computational study of MEA adsorption on hydroxylated Cr<sub>2</sub>O<sub>3</sub> Surfaces</b> 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	<b>Investigation on semi-conductive properties of passive film from multi-frequency Mott-Schottky and Power-law approaches</b> Sabrina Marcelin (INSA-LYON) / Benoît Ter-Ovanesian ( <i>idem</i> ) / Bernard Normand ( <i>idem</i> )
9:40	O-52702	<b>Study of the passive film layer semi-conductive properties and their impact on the corrosion resistance of stainless steels</b> Ismaël Guillotte (Aperam Stainless France) / Gregory Berthomé (SIMaP/CNRS) / Saghi Saedlou (Aperam Stainless France) / Jean-Pierre Petit (SIMaP/CNRS)
10:00	O-52397	<b>Elemental selective dissolution of a silicon-rich austenitic stainless steel in acidic medium investigated through Atomic Emission Spectro Electrochemistry</b> 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	<b>Coffee Break</b>	
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		P. Marcus
10:50	K-69235	<b>Keynote Lecture</b> <b>Oxide films on metals and alloys: growth mechanism and application to corrosion protection</b> Hiroki Habazaki (Hokkaido University)
11:30	K-68785	<b>Keynote Lecture</b> <b>Probing corrosion mechanisms using Al-Ni-Y metallic glasses</b> 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)
12:10	O-54422	<b>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</b> Elise Gardin (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Sandrine Zanna ( <i>idem</i> ) / Antoine Seyeux ( <i>idem</i> ) / Philippe Marcus ( <i>idem</i> ) / Audrey Allion (Aperam Isbergues, Research Center - Corrosion & Surface Dept.) /
12:30	<b>Lunch</b>	
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		H. Habazaki
14:00	O-65652	<b>Characterisation of the composition, kinetics and growth mechanisms of the oxide film formed on Alloy 600</b> 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> )

## Tuesday 13 September 2016

14:20	O-55912	<b>In situ spectroscopic observation of state of oxides during transpassive dissolution of copper</b> 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	<b>Direct corrosion quantification of passive material libraries by means of SDCM-ICP-MS</b> Achim Walter Hassel (Johannes Kepler University Linz)
15:00	O-59622	<b>First principle calculations of aluminum destruction caused by chloride ions – effect of interstitial chloride ions, charging and hydrogen</b> 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	<b>Passivity and corrosion behaviour of Ti-10Mo-4Zr and Ti-6Al-4V alloys after long-term ageing in Ringer's solution at 37°C</b> Halina Krawiec (AGH University of Science and Technology) / Vincent Vignal (ICB) / Olivier Heintz (ICB)
15:40		<b>Coffee Break</b>
Barthez		<b>Corrosion Mechanisms, Methods and Modelling</b>
<b>Chair(s)</b>		<b>H. Terry</b>
16:10	O-51787	<b>Heterogeneous degradation of passive film by UV-light irradiation</b> 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	<b>Investigation of the phenomenon of critical fluoride concentration for the corrosion of pure titanium and its influencing factors in acidic solutions</b> Zhengbin Wang (Institute of Metal Research, Chinese Academy of Sciences) / Hongxiang Hu ( <i>idem</i> ) / Yugui Zheng ( <i>idem</i> )
16:50	O-53267	<b>Synthesis, characterization and electrochemical impedance analysis of TiO<sub>2</sub> nanotubes for biomedical applications</b> 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	<b>Numeric simulation of micro-galvanic corrosion of Al alloys caused by intermetallic particles - effects of size, pH and Cl<sup>-</sup> concentration</b> 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> )
17:30	O-67112	<b>Localised corrosion behaviour of Ti-Mo alloy by cyclic polarization and electrochemical potentiokinetic reactivation method</b> Ilven Mutlu (Istanbul University, Metallurgical and Materials Engineering)
17:50		<b>Poster Session and Reception</b>

**Tuesday 13 September 2016**

<b>Joffre C+D</b>		<b>Environment Sensitive Fracture</b>
<b>Chair(s)</b>		<b><i>K. Wolski</i></b>
<b>8:40</b>	O-57707	<b>Influence of the microstructure of the Virgo™38, a 16Cr-4Ni low-carbon supermartensitic stainless steel, on its SCC resistance</b> 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)
<b>9:00</b>	O-56152	<b>Effect of tempered martensite micro structure on strength and SSC resistance of the HSLA steel with varying carbon content.</b> yuji arai (Nippon Steel & Sumitomo Metal Corporation)
<b>9:20</b>	O-60262	<b>The influence of retained austenite content on the stress corrosion resistance of nitrided martensitic stainless steels</b> Marlies Borchert (Montanuniversitaet Leoben / Chair for General and Analytical Chemistry) / Gregor Mori (Montanuniversitaet Leoben / Chair for General und Analytical Chemistry)
<b>9:40</b>	O-61242	<b>Influence of sensitization on the stress corrosion cracking behavior of 310S austenite stainless steels in HTHP H<sub>2</sub>S/ CO<sub>2</sub> environments</b> 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))
<b>10:00</b>	O-51267	<b>Effect of pH on susceptibility to environment-assisted cracking of AZ61 Mg alloy</b> Takumi Haruna (Kansai University) / Hiroshi Ohshima (Kansai University) / Youhei Hirohata (Kansai University)
<b>10:20</b>	<b>Coffee Break</b>	
<b>Joffre C+D</b>		<b>Environment Sensitive Fracture</b>
<b>Chair(s)</b>		<b><i>K. Wolski</i></b>
<b>10:50</b>	O-68570	<b>Using predicted corrosion damage to determine stress concentration, fracture and crack growth</b> Sharon Mellings (C.M BEASY Ltd) / Andres Peratta (C.M BEASY Ltd) / John Baynham (C.M BEASY Ltd) / Tim Froome (C.M BEASY Ltd)
<b>11:10</b>	O-60332	<b>A successful approach to application of stress analysis in conjunction with stress corrosion cracking direct assessment</b> Hatami Monfared Alireza (Iranian Gas Engineering and Development Company) / Sadegh Khidaveisi (Iranian Gas Engineering and Development Company) / Saeed Ahmadzadeh (National Iranian Gas Company (NIGC))
<b>11:30</b>	O-62882	<b>Stress corrosion cracking of stainless steel in 300°C water: detection by EC noise and load transients</b> 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	<b>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</b> 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		<b>Lunch</b>
<b>Joffre C+D</b>		<b>Environment Sensitive Fracture</b>
<b>Chair(s)</b>		<b><i>K. Wolski</i></b>
14:00	O-67322	<b>Influence of environmental conditions on localized corrosion of an austenitic stainless steel under cyclic loading</b> Anna Visser (Montanuniversität Leoben) / Gregor Mori (Montanuniversität Leoben)
14:20	O-67752	<b>Effect of corrosion on the fatigue strength of steels used in frequent start-up steam turbine</b> 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	<b>Effect of applied stress on the initiation and propagation behavior of SCC for sensitized 304 stainless steel under MgCl<sub>2</sub> solution droplet</b> Eiji Tada (Tokyo Institute of Technology) / Kazuki Nakao (Tokyo Institute of Technology) / Atsushi Nishikata (Tokyo Institute of Technology)
15:00	O-58157	<b>Corrosion-fatigue of cold-drawn pearlitic steels in CO<sub>2</sub> and H<sub>2</sub>S environments: consequences of cyclic plastic strain, corrosion and their synergy on the initiation of fatigue cracks</b> 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	<b>Susceptibility to stress corrosion cracking of <math>\alpha</math>-<math>\beta'</math> brass in nitrate solutions</b> Christine Blanc (ENSIACET-CIRIMAT) / Clément Berne (CIRIMAT) / Eric Andrieu (CIRIMAT) / Jean Reby (CETIM) / Jean-Michel Sobrino (CETIM)
15:40		<b>Coffee Break</b>
<b>Joffre C+D</b>		<b>Environment Sensitive Fracture</b>
<b>Chair(s)</b>		<b><i>K. Wolski</i></b>
16:10	O-65227	<b>In situ electrochemical nanoindentation of Alloy 718</b> 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	<b>Stress corrosion cracking of carbon steels in aqueous molten salts mixtures at low temperature</b> Olga Conejero (ITMA Materials Technology) / Eduardo Lago (TSK Electrónica y Electricidad) / Rogelio Peón (TSK Electrónica y Electricidad)
17:50		<b>Poster Session and Reception</b>

**Tuesday 13 September 2016**

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

**Tuesday 13 September 2016**

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

**Tuesday 13 September 2016**

Barcelona		Corrosion Control in Aerospace
Chair(s)		<i>T. Hack / M. Zheludkevich</i>
8:40	K-69635	<b>Keynote Lecture</b> <b>Protection systems for helicopters, today and tomorrow</b> Laurent Bortolotto (Airbus Helicopters)
9:20	O-67092	<b>Exploring defects structures as sites for corrosion initiation</b> 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	<b>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</b> 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	<b>Propagation kinetics of intergranular corrosion defects in a 2024 T351 aluminium alloy</b> 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		<b>Coffee Break</b>
Barcelona		Corrosion Control in Aerospace
Chair(s)		<i>T. Hack / M. Zheludkevich</i>
10:50	O-59417	<b>The corrosion protective properties and inhibitor throwing-power of lithium based coating technology on AA2024-T3</b> Peter Visser (Delft University of Technology) / Arjan Mol (Delft University of Technology) / Herman Terryn (Vrije Universiteit Brussel)
11:10	O-56822	<b>Li-based active LDH sealing of TSA anodized AA2024</b> 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	<b>Effect of post-treatment on trivalent chromium protection (TCP) on aluminium alloy 2024-T3</b> Marion Ely (PSL Research University, CNRS - Chimie ParisTech, IRCP/PCS) / Jolanta Świątowska (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	<b>Post-treatment of SAA oxide for improvement of adhesion and corrosion resistance for aerospace applications</b> Yulia Meteleva (Fokker Aerostructures B.V.) / John de Kok (Fokker Aerostructures) / Vincent Van den Heuvel (Fokker Aerostructures B.V.)
12:10	O-59327	<b>Sealing mechanisms of anodized aluminium alloys by a Cr<sup>3+</sup> / ZrF<sub>6</sub><sup>2-</sup> salts solution</b> Najat Chahboun (Université de Lorraine)
12:30		<b>Lunch</b>
Barcelona		Corrosion Control in Aerospace

## Tuesday 13 September 2016

<b>Chair(s)</b> <i>M. Zheludkevich / T. Hack</i>		
<b>14:00</b>	O-68337	<b>Management of the corrosion for Airbus helicopters</b> David Sinopoli (Airbus Helicopters)
<b>14:20</b>	O-60697	<b>Mechanisms of corrosion protection of anodized aluminium alloys brought by a Cr3+/ZrF6 2- sealing treatment</b> Najat Chahboun (Université de Lorraine)
<b>14:40</b>	O-59052	<b>The effect of anodic oxide chemistry and morphology on adhesion and durability in aerospace structural adhesive bonding</b> S.T. Abrahami (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)
<b>15:00</b>	O-64802	<b>Stand-alone Cr(VI)-free pickling process for structural adhesive bonding of aluminium alloys</b> John de Kok (Fokker Aerostructures BV) / Vincent van den Heuvel (Fokker Aerostructures) / Yulia Meteleva (Fokker Aerostructures)
<b>15:20</b>	O-64297	<b>Controlled oxide film formation to improve the corrosion resistance of aluminium alloy</b> 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)
<b>15:40</b>	<b>Coffee Break</b>	
<b>Barcelona Corrosion Control in Aerospace</b>		
<b>Chair(s)</b> <i>M. Zheludkevich / T. Hack</i>		
<b>16:10</b>	O-51592	<b>Study of the galvanic corrosion in Al/CFRP co-cured hybrid materials</b> Sebastien Mercier (ONERA Chatillon) / romain agogue (Onera) / Anne Mavel (ONERA) / Philippe Nunez (ONERA)
<b>16:30</b>	O-56692	<b>Study of protective efficiency and structure of sol-gel coatings made from cyclic planar precursor</b> 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)
<b>16:50</b>	O-55167	<b>Passive wireless sensor for atmospheric corrosion monitoring in aerospace</b> 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)
<b>17:50</b>	<b>Poster Session and Reception</b>	



## Tuesday 13 September 2016

Joffre 5		Corrosion of Steel in Concrete
Chair(s)		<i>M. Raupach / D. M. Batisdas</i>
8:40	O-54672	<b>Electrochemical properties of the oxide scale on steel exposed in synthetic concrete pore solution</b> Ahlstrom Johan (Swerea KIMAB) / Luping Tang (Chalmers) / Bror Sederholm (Swerea KIMAB) / Johan Tidblad (Swerea KIMAB)
9:00	O-68820	<b>Identification of rebar corrosion induced by carbonation in cracked concrete subjected to different environmental conditions</b> 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	<b>Stress corrosion cracking of lean duplex stainless steel reinforcements in simulated concrete pore solution</b> 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	<b>Corrosion of steel in concrete exposed to cyclic sea level changes</b> 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	<b>Modelling of patch repair</b> Eric Lozingueux (DTeclTM) / Jean-François Barthélémy (CEREMA) / Véronique Bouteiller (IFSTTAR)
10:20		<b>Coffee Break</b>
Joffre 5		Corrosion of Steel in Concrete
Chair(s)		<i>M. Raupach / D. M. Batisdas</i>
10:50	O-61812	<b>Numerical and experimental development of gradient potential measurement for corrosion detection of reinforced concrete slab</b> 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	<b>Numerical simulations for the detection of leakages in the sealing of bridges by changes in the electrolyte resistance</b> Carla Driessen (RWTH Aachen) / Michael Raupach (ibac, RWTH Aachen)
11:30	O-62187	<b>Life Cycle Cost Analysis (LCCA) of corrosion resistant steel based on long-term corrosion monitoring</b> 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	<b>Long-term durability of reinforced concrete structures in marine environments</b> Robert Melchers (University of Newcastle) / Igor Chaves (The University of Newcastle)
12:10	O-64087	<b>15 years corrosion survey feed back in alpes highway</b> Richard Guerin (RGD) / Banant David (AUTOROUTE ET TUNNEL DU MONT BLANC)
12:30		<b>Lunch</b>
Joffre 5		Corrosion of Steel in Concrete

**Tuesday 13 September 2016**

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

**Tuesday 13 September 2016**

<b>Joffre 4 Corrosion Reliability of Electronics Devices and Materials</b>		
<b>Chair(s) R. Ambat / H. Schweigart</b>		
<b>8:40</b>	O-60452	<b>Effect of hygroscopic atmospheric particles deposition on the corrosion reliability of electronics</b> Luca D'Angelo (University of Milano-Bicocca) / Vadimas Verdingovas (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)
<b>9:00</b>	O-63832	<b>Dynamics of moisture ingress in second and first level housings</b> Helene Conseil (Technical University of Denmark) / Gerald Hamm (Robert Bosch GmbH, Automotive Electronics) / Lutz Müller (Robert Bosch GmbH, Automotive Electronics) / Mathias Hain (Robert Bosch GmbH, Automotive Electronics) / Rajan Ambat (Technical University of Denmark)
<b>9:20</b>	O-55312	<b>Practical humidity ingress in electronic enclosures</b> Kim Albert Schmidt (DELTA) / Anders Bonde Kentved (DELTA)
<b>9:40</b>	O-70090	<b>Choosing the right No Clean chemistry for lead free solder paste in Vapor Phase Reflow</b> Emmanuelle Guéné (Inventec Performance Chemicals)
<b>10:00</b>	O-64752	<b>Simple standardized corrosion measurement of semiconductor metallizations</b> Lutz Müller (Robert Bosch GmbH) / Johann Bartha (TU Dresden) / Sophielouise Mach (TU Dresden)
<b>10:20</b>	<b>Coffee Break</b>	
<b>Joffre 4 Corrosion Reliability of Electronics Devices and Materials</b>		
<b>Chair(s) R. Ambat / H. Schweigart</b>		
<b>10:50</b>	O-62342	<b>Electronics device level testing and visualization of tin corrosion on printed circuit boards</b> Morten Stendahl Jellesen (Technical University of Denmark) / Vadimas Verdingovas (DTU) / Helene Conseil (DTU) / Rajan Ambat (DTU)
<b>11:10</b>	O-60972	<b>Degradation of wetness sensors exposed to maritime atmosphere</b> 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) <b>Cancelled</b>
<b>11:30</b>	O-59602	<b>Thermal stability of electroplated tin-nickel alloy: study on microstructure and electrochemical proper</b> 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)
<b>11:50</b>	P-59512	<b>Corrosion failure analysis of hearing aid battery-spring contacts</b> 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)
<b>12:30</b>	<b>Lunch</b>	

## Tuesday 13 September 2016

Joffre 4		Tribocorrosion
Chair(s)		S. Mischler
14:00	O-66632	<b>A study of surface/subsurface modification observed in abrasive waterjet machining using a nickel model material</b> 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	<b>Investigation of the synergistic effects of cavitation erosion-corrosion on nickel aluminium bronze in 3.5% NaCl solution</b> Jahnabi Basumatary (University of Southampton)
14:40	O-62012	<b>Comparison of tribocorrosion processes on NiTi and stainless steel dental alloys</b> Petra Mocnik (Slovenian National Building and Civil Engineering Institute) / Tadeja Kosec ( <i>idem</i> )
15:00	O-64312	<b>Fretting corrosion of Ti-6Al-4V vs. Ti-6Al-4V contact and Ti-Al-4V vs. Zirconia: dental implant against abutment.</b> 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	<b>Third-body mass balance modelling for tribocorrosion systems</b> Javier Navarro-Laboulais (Camino de Vera s/n 46022) / Angela Bermúdez-Castañeda (EPFL) / Stefano Mischler (EPFL)
15:40		<b>Coffee Break</b>
Joffre 4		Tribocorrosion
Chair(s)		J. Geringer
16:10	O-55472	<b>Characterisation and improvement of the tribocorrosion resistance of Ti13Nb13Zr by a thermal oxidation treatment</b> 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	<b>Investigations on wear-resistant coatings as alternative to hard Cr</b> 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 Nouvelon (Materia Nova) / Jerzy Ratajski (TU Koszalin) / Lukasz Szparaga ( <i>idem</i> )
16:50	O-58347	<b>Tribocorrosion behavior of PEO coatings on Ti6Al4V alloy under different normal loads and sliding velocities</b> Hamid Khanmohammadi (University of Tehran) / Saeed Reza Allahkaram ( <i>idem</i> ) / Anna Igual Munoz (Universidad Politecnica de Valencia (UPV)) / Amir Reza Rashid Farrokhi (Sarkhoon & Qeshm Gas Treating Co.)
17:50		<b>Poster Session and Reception</b>

Cancelled

**Tuesday 13 September 2016**

Sully 3		Corrosion of Archaeological and Historical Artefacts
Chair(s)		<i>S. Grassini / V. Gouda</i>
8:40	O-62392	<b>Study of interactions between organic protection treatment and bronzes patina</b> Emilande Apchain (LAPA) / Delphine Neff (LAPA) / Annick Texier (LRMH) / Aurélie Azema (LRMH) / François Mirambet (C2RMF) / Dominique Robcis (C2RMF) / Jean-Paul Gallien (LAPA) / Albert Noumowé (L2MGC) / Philippe Dillmann (LAPA)
9:00	O-57297	<b>Corrosion protection of outdoor bronze: historical quaternary alloy and modern alloy with artificial patination</b> 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	<b>Effect of oxide particle addition on the protectiveness of organosilane coatings on bronze exposed to synthetic acidic rain</b> Andrea Balbo (Corrosion and Metallurgy Study Centre "A. Daccò" – TekneHub – University of Ferrara) / Federica Zanotto (Corrosion and Metallurgy Study Centre "A. Daccò" – Terra&Acquatech – 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	<b>Laser cleaning of archaeological bronze artefacts</b> 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	<b>Assessment of some corrosion inhibitors and protective coatings for bronze artifacts</b> 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	<b>Coffee Break</b>	

**Tuesday 13 September 2016**

Sully 3		Corrosion & Corrosion Protection of Drinking Water Systems
Chair(s)		<i>J.-W. Erning</i>
10:50	O-56802	<b>Crevice geometry and biofilm development impact on stainless steel durability in drinking water network</b> Audrey Allion (Aperam) / Charles Leballeur (French Corrosion Institute) / Nicolas Larché (French Corrosion Institute)
11:10	O-59657	<b>A new look into the selective dissolution of Cu-Zn alloys in tap water: elemental release, scale formation and dissolution mechanism</b> Peng Zhou (PSL Research University, CNRS - Chimie ParisTech, IRCP/I2E) / Kevin Ogle (PSL Research University, CNRS - Chimie ParisTech, IRCP/I2E)
11:30	O-67732	<b>Asbestos cement pipe condition assessment and maintenance strategy</b> Angelika Becker (IWW Water Centre)
11:50	O-58612	<b>Electrochemical water treatment for scale removal</b> 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		<b>Lunch</b>

## Tuesday 13 September 2016

Sully 3		Corrosion and Scale Inhibition
Chair(s)		<i>G. Schmitt / W. Hater</i>
14:00	K-67657	<b>Keynote Lecture</b> <b>Benefits from the use of film forming amines in district cooling water circuits</b> Christophe Foret (KURITA France SAS) / Philippe Bleriot (KURITA France SAS) / Michèle Merchat (CLIMESPACE)
14:40	O-59207	<b>Functionalized zirconium orthophosphate as corrosion inhibitors of zinc with controlled release: physico-chemical and electrochemical characterizations</b> 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	<b>Study of the inhibition mechanism of benzotriazole for the protection of Zn-Mg coated steel</b> 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	<b>The film formation and corrosion inhibition of oleylamines on aluminium</b> Julia Jasper (Kurita Europe GmbH) / Patrick Kraft (Kurita Europe GmbH) / Wolfgang Hater (Kurita Europe GmbH)
15:40		<b>Coffee Break</b>
Sully 3		Corrosion and Scale Inhibition
Chair(s)		<i>G. Schmitt / W. Hater</i>
16:10	O-51882	<b>Biodegradable corrosion inhibitor packaging for electronic equipment</b> Robert Kean (Cortec Corporation) / Boris Miksic (Cortec Corporation) / Ivan Rogan (Cortec Corporation)
16:30	O-51992	<b>Improved packaging film incorporating vapor phase corrosion inhibitors and high recycle content</b> Robert Kean (Cortec Corporation) / Boris Miksic (Cortec Corporation)
16:50	O-50187	<b>Influence of particle size of vapor corrosion inhibitor powders on their inhibiting effectiveness</b> Behzad Bavarian (CSUN) / Boris Miksic (Cortec Corporation) / Babak Samimi (CSUN-MSEM) / Lisa Reiner (CSUN.MSEM)
17:10	O-67477	<b>Environmental friendly sarcosine inhibitors for the corrosion protection of DC01 steel</b> 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		<b>Poster Session and Reception</b>

## Tuesday 13 September 2016

Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
8:40	O-66207	<b>Assessment of the operating window of 13Cr- 1Mo 110 ksi well tubulars in a mild sour gas environment</b> 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	<b>New super martensitic stainless steels for oil &amp; gas industry: correlation between molybdenum content and hydrogen embrittlement</b> 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	<b>Corrosion testing of weldable super 13 Cr pipeline steel</b> Bruno Uzelac (Shell Projects and Technology) / Steve Paterson (Shell Projects and Technology) / Ryan Jackson (Brunei Shell Petroleum)
9:40	O-51382	<b>Effect of the substitution of Ni by N and Mn in lean duplex stainless steels on stress corrosion cracking assisted by H<sub>2</sub>S</b> 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-71130	<b>Experience with qualification testing of weldable 13Cr pipeline steel with well completion brines</b> Steve Paterson (Shell Projects & Technology) / Ryan Jackson (Brunei Shell Petroleum)
10:20		<b>Coffee Break</b>
Joffre A+B		Corrosion in Oil & Gas Production
Chair(s)		<i>S. Paterson / M.E. Wilms</i>
10:50	O-54942	<b>Evaluation of the corrosion risk of duplex stainless steel UNS S82551 in treated seawater injection service</b> 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	<b>A new centrifugally cast austenitic Ni-base alloy suitable for severe sour service heavy wall thickness piping application</b> 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	<b>Failure analysis: SCC limits of AISI 321 stainless steel grade for oil &amp; gas</b> 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	<b>Corrosion resistance of the super-austenitic material UNS S31266 in demanding environments</b> Sandra Manchet (Industeel Arcelormittal)



## Tuesday 13 September 2016

12:10	O-67337	<b>Guidelines for use of welded stainless steel in corrosive environments - JOINOX</b> Mari Sparr (Swerea KIMAB AB) / 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) / Sílvia Molas (Fundació CTM Centre Tecnològic) / Martin Schmitz-Niederau (voestalpine) / Robert Shaw (TWI Limited) / Michael Rohwerder (Max-Planck-Institut für Eisenforschung)
12:30		<b>Lunch</b>
<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
14:00	O-50697	<b>A new alloy filler metal designed for welding high strength ID-clad steels</b> Sarwan K. Mannan (Special Metals Corporation) / Ronnie Gollohue (Special Metals Corporation) / Sam Klser (Special Metals Welding Products) / Steve McCoy (PCC Forged Products) / John Phillip (Special Metals Welding Products) / Martin Caruso (Special Metals Welding Products)
14:20	O-62027	<b>Hydrogen embrittlement susceptibility of high strength corrosion resistant alloy</b> 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	<b>Influence of H<sub>2</sub>S on the pit to crack transition in sour testing of CRAs</b> James Hesketh (National Physical Laboratory) / Gareth Hinds (National Physical Laboratory) / Alan Turnbull (National Physical Laboratory)
15:00	O-56547	<b>Novel approach to validation of thermodynamic models for the chemistry of oilfield environments</b> Gareth Hinds (National Physical Laboratory) / Julia Abda (National Physical Laboratory) / Hugh Davies (National Physical Laboratory) / Alan Turnbull (National Physical Laboratory)
15:20	O-57162	<b>Development of an in-situ flow cell to simulate unspent acid flow-back following matrix acidizing</b> Benjamin Pickles (University of Leeds) / Richard Barker (University of Leeds) / Anne Neville (University of Leeds)
15:40		<b>Coffee Break</b>
<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
16:10	O-56247	<b>A new method to titrate corrosion inhibitors in produced waters</b> Gregory Moulie (TOTAL S.A.) / Michel Bonis (Total S.A.) / Christine Gleyzes (UT2A) / Cyril Cugnet (UPPA) / Stephane Faucher (UPPA)
16:30	O-54172	<b>Insight into oilfield corrosion by scanning tunnelling microscopy and X-ray photoelectron spectroscopy</b> Matthew Acres (University of Manchester) / Hadeel Hussain (University of Manchester) / Christopher Muryn (University of Manchester) / Robert Lindsay (University of Manchester)
16:50	O-54592	<b>Field Kelvin Probe: progress made towards rapid, in-situ evaluation of HISC susceptibility and undercoating corrosion</b> 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)

**Tuesday 13 September 2016**

<b>17:10</b>	O-63232	<b>In situ grazing incidence X-ray diffraction of sweet corrosion scaling across an X-65 weld</b> 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)
<b>17:30</b>	O-55762	<b>Susceptibility of selected steel grades to hydrogen embrittlement in underground gas storage</b> 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)
<b>17:50</b>	<b>Poster Session and Reception</b>	

**Tuesday 13 September 2016**

<b>Louisville</b>		<b>Corrosion in the Refinery Industry</b>
<b>Chair(s)</b> <i>F. Ropital</i>		
<b>8:40</b>	O-60132	<b>Development of predictive model for sulphur species thermal dissociation and related corrosivity in condensate feedstock</b> 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) / Mohamed. Al Musharfy (TAKREER Research Centre)
<b>9:00</b>	O-68895	<b>Prediction, monitoring and inspection of high temperature corrosion in CDU and HVU of an oil refinery</b> 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)
<b>9:20</b>	O-59732	<b>Novel approach for measurement of corrosivity of acidic crude oils</b> Biswajit Shown (Reliance Industries Limited)
<b>9:40</b>	O-50157	<b>Corrosion problems and solutions in oil refining and petrochemical industry</b> Alec Groysman (Israeli Society of Chemical Engineers and Chemists c/o AEAI)
<b>10:00</b>	O-61427	<b>Source detection and removal of organic chloride component in crude oil</b> Farzaneh Akvan (Young Researchers and Elites Club, North Tehran Branch, Islamic Azad University & Corrosion Studies Monitoring, Research Institute of Shakhos Pajouh (Future Studies)) / Reza Javaherdashti (PhD; Principle Advisor and Manager of Corrosion Studies Monitoring, Research Institute of Shakhos Pajouh (Future Studies))
<b>10:20</b>		<b>Coffee Break</b>
<b>Louisville</b>		<b>Corrosion in the Refinery Industry</b>
<b>Chair(s)</b> <i>F. Ropital</i>		
<b>10:50</b>	O-50222	<b>Long-range microwave detection of wet insulation for CUI mitigation</b> Geir Instanes (ClampOn AS)
<b>11:10</b>	O-66087	<b>Corrosion protection of storage tank soil side bottoms new application experience</b> 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)
<b>11:30</b>	O-61992	<b>Real time corrosion prediction in the refining industry – impact on asset integrity and corrosion management</b> Slawomir Kus (Honeywell Process Solutions) / Pierre Constantineau (Honeywell Process Solutions) / Sridhar Srinivasan (Honeywell Process Solutions)
<b>11:50</b>	O-56657	<b>High temperature, chlorine induced corrosion in a thermal cracking process</b> Alexander Schmid (Montanuniversität Leoben) / Gregor Mori (Montanuniversität Leoben)
<b>12:30</b>		<b>Lunch</b>

## Tuesday 13 September 2016

Louisville		Corrosion by Hot Gases and Combustion Products
Chair(s)		<i>M. Schütze</i>
16:10	K-50597	<b>Keynote Lecture</b> <b>Water vapour effects on FeO scale growth:</b> David Young (University of New South Wales) / Huaying Yin (University of New South Wales)
16:50	O-68257	<b>Influence of different parameters (geometry, atmosphere, method of production, mechanical stress) on the oxidation of materials.</b> Françoise Nardou (Professor of University)
17:10	O-67012	<b>Fireside corrosion and role of deposits during oxy-fuel combustion of coal</b> 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	<b>Poster Session and Reception</b>	

**Tuesday 13 September 2016**

<b>Sully 2</b>		<b>Improving Corrosion Control of Ships</b>
<b>Chair(s)</b>		<b><i>D. Thierry</i></b>
<b>8:40</b>	O-52917	<b>Probabilistic corrosion assessment for semi-submersibles</b> Karoline Mali Neumann (Wood Group Mustang Norway) / Sören Ehlers (Technische Universität Hamburg-Harburg) / Kristen Amundrød (Wood Group Mustang Norway)
<b>9:00</b>	O-53417	<b>Evaluation of emerging antifouling technologies for seawater piping systems</b> Valerie Debout (DCNS Cherbourg) / Giovanni Pavanello (CNR-ISMAR) / Marco Faimali (CNR-ISMAR)
<b>9:20</b>	O-53022	<b>Accelerated corrosion tests for marine paint systems used for ship's topsides and superstructures</b> Nathalie LeBozec (French Corrosion Institute) / Krystal Pelissier (French Corrosion Institute) / Dominique Thierry (French Corrosion Institute)
<b>9:40</b>	O-53367	<b>Evaluation of alternative functional coatings for propellers based on PVD technology</b> Andrea Bergo (Centro Sviluppo Materiali) / Roberta Valle (Centro Sviluppo Materiali)
<b>10:00</b>	O-66332	<b>Development of self-healing anti-corrosion coatings for the protection of critical marine structures</b> Anna Crosby (University of Southampton) / Julian Wharton (University of Southampton) / Keith Stokes (Physical Sciences Department, Defence Science and Technology Laboratory)
<b>10:20</b>		<b>Coffee Break</b>
<b>Sully 2</b>		<b>Improving Corrosion Control of Ships</b>
<b>Chair(s)</b>		<b><i>D. Thierry</i></b>
<b>11:50</b>	O-60352	<b>Analysis of new methods for the determination of the cathodic disbonding behaviour of hull coatings</b> 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)
<b>11:10</b>	O-55047	<b>Specific Cathodic Protection Data For Carbon Steel in High Flow Rate Seawater</b> Nicolas Larché (Institut de la Corrosion) / Xavier Hallet (Laborelec, Engie Lab.) / Jérôme Blanc (DGA-Techniques Navales) / Dominique Thierry (Institut de la Corrosion)
<b>12:30</b>		<b>Lunch</b>
<b>17:50</b>		<b>Poster Session and Reception</b>

Tuesday 13 September 2016

Antigone		Metallic Coatings
17:50	P-52562	<b>Fabrication and characterization of electrodeposition Ni-Cu/ZrO<sub>2</sub> nano composite coatings</b> 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	<b>Friendly and environmentally oil for fabrication of carbon nanotube using thermal pyrolysis process</b> Fatma Mouez (CMRDI)
17:50	P-54712	<b>The corrosion behavior of selected thermally sprayed cermet and alloy based coatings</b> Zdenek Cesanek (Research and Testing Institute Plzen Ltd.) / Jan Schubert (Research and Testing Institute Plzen Ltd.)
17:50	P-56097	<b>Corrosion investigations by using gel-type electrolytes</b> 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	<b>Microstructure, mechanical properties and corrosion behaviour of cobalt-molybdenum coatings electrodeposited on pure cobalt</b> 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	<b>Electrodeposition and characterization of Ni, Co and Ni-Co thins layers on platinum substrate</b> Amel Boukazoula (Ecole Militaire Polytechnique ) / Abderrezak Abdi (Ecole Militaire Polytechnique)
17:50	P-67742	<b>Corrosion behavior of CrN and CrXN (X=Mo, Zr and V) coatings deposited by R.F magnetron sputtering in aqueous solution</b> Kheireddine Bouzid (university Badji-Mokhtar)
17:50	P-67967	<b>Electrochemistry investigation of the mechanism of TiO<sub>2</sub> nanoparticles electro-codeposition into Ni matrix to form nanocomposite layers</b> Lidia Benea (Dunarea de Jos University of Galati) / Nadege Caron (CEA Saclay) / Olivier Raquet (CEA Saclay)
Antigone		Pretreatments
17:50	P-52752	<b>Electrochemical and mechanical behavior of UV curing paint on hybrid films modified with polyethyleneglycol plasticizer applied on tinplate</b> 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	<b>Corrosion behavior of 2024 aluminum alloy coated with trivalent chromium conversion layer</b> Romain Saillard (CIRIMAT - ENSIACET) / Bernard Viguier (CIRIMAT - ENSIACET) / Grégory Odemer (CIRIMAT - ENSIACET) / Benoît Fori (Mecaprotec) / Christine Blanc (CIRIMAT - ENSIACET)

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17:50	P-59457	<b>Surface treatment effect on interfacial chemistry, morphology and physicochemical degradation of steel – composite adhesive joints</b> Joost van Dam (Delft University of Technology) / Herman Terryn (Vrije Universiteit Brussel (VUB)) / Arjan Mol (Delft University of Technology)
17:50	P-62482	<b>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</b> Abubakar Mohammed (Sheffield Hallam University) / Nayef M. Alanazi (Saudi Aramco) / Heming Wang (Sheffield Hallam University)
17:50	P-62612	<b>Sol-gel coating for corrosion protection of mild steel with MPTMS as sole precursor</b> Abubakar Mohammed (Sheffield Hallam University) / Nayef M. Alanazi (Saudi Aramco) / Heming Wang (Sheffield Hallam University)
<b>Antigone</b>		<b>Organic Coatings</b>
17:50	P-51897	<b>Evaluation of protective performance of co-extruded films with vapor corrosion inhibitor</b> 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-55717	<b>Effective parameters on the internal flow efficiency coatings (FEC) with economy considerations for natural gas pipelines</b> Saeid Akhondnasab (Iranian gas engineering & development company)
17:50	P-56057	<b>Rust Converter with Improved Adhesion for Topcoats</b> 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	<b>Shape-controlled metal phosphate particles as corrosion protection additives in organic coatings</b> 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	<b>SIMS for investigating copper migration through aged acrylic coatings on bronze</b> Rosie Grayburn (Getty Conservation Institute)
17:50	P-60397	<b>Talc as a reservoir for 2-mercaptobenzimidazole for corrosion inhibition in epoxy-ester coating</b> Mohammad Mahdavian (Institute for Colorants, Paints & Coatings) / A. Bahrani (University of Tehran) / R. Naderi (University of Tehran)
17:50	P-62802	<b>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</b> Mohamed Hegazy (Egyptian Petroleum Research Institute)
17:50	P-64997	<b>The French Antico industry by paint</b> Jean-Marie Rosselle (OHGPI)
17:50	P-68347	<b>Novel antimicrobial powder coating based on polyamide 11</b> 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)

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17:50	P-70522	<b>Effective parameters on the internal flow efficiency coatings (FEC) with Economy considerations for natural gas pipelines</b> Saied Akhondnasab (Head of corrosion control engineering department (NIGC))
17:50	P-70762	<b>The effects of PolyANiline-Graphene Oxide (PANI-GO) nanosheets on the corrosion protection performance of epoxy coating</b> Yasmin Hayatgheib (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	<b>Effect of surface modification of zinc powders with organosilanes on the corrosion resistance of thin zinc-rich coatings</b> Tae Ho Yun (Pohang Institute of Science and Technology) / Jong Myung Park (Pohang Institute of Science and Technology)
<b>Antigone Inorganic Coatings</b>		
17:50	P-51427	<b>Self-ordering behavior of anodic aluminum porous by one step anodizing using etidronic acid.</b> Lina Marcela SEPULVEDA (UNIVERSIDAD DE ANTIOQUIA) / Juan G. Castaño Gómez (UNIVERSIDAD DE ANTIOQUIA) / Félix Echeverría Echeverría (UNIVERSIDAD DE ANTIOQUIA)
17:50	P-54087	<b>Enhanced anticorrosion properties of PEO coatings on magnesium alloy AZ91 by sealing treatments</b> 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	<b>Corrosion performance evaluation of ZrN and ZrSiN coatings deposited on steel surface by magnetron sputtering</b> Luca Castro (UFMG) / Charliane Ferreira (UFMG) / Brunela Silva (UFMG) / Vanessa Lins (UFMG) / Eduardo Tentardini (UFS)
17:50	P-66452	<b>Evaluation of TiO<sub>2</sub>-CeO<sub>2</sub> coatings on Ti6Al4V alloy, by conventional electrochemical techniques and near field in the presence of living cells.</b> Greta de Monserrat Tavarez 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	<b>PEO coating containing silver or copper particles: Antifouling properties and corrosion resistance of coated AA7075</b> Luca Pezzato (Universita 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)
17:50	P-70812	<b>Effect of Si particle modification on the growth and microstructure of anodised aluminium oxide</b> 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)



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Antigone		Self-healing Coatings
17:50	P-50732	<b>Anticorrosive performance of cerium doped siloxane-PMMA hybrid coatings with self-healing ability</b> 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	<b>Ammonium molybdate added in hybrid films applied on tinplate: effect of the concentration in the corrosion inhibition action</b> 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	<b>Shape Memory Composite (SMC) self-healing coatings for corrosion protection</b> Luntao Wang (Corrosion&Protection Center University of Science&Technology Beijing)

Antigone		Corrosion Mechanisms, Methods and Modelling
17:50	P-50577	<b>Effect of acidity and immersion time on the corrosion behavior of UNS N07090 in sulfuric acid solutions</b> Alexandra Matheisen Paroni (Universidade de Sao Paulo) / Rodrigo Magnabosco (Centro Universitário FEI) / Neusa Alonso-Falleiros (Universidade de Sao Paulo)
17:50	P-51332	<b>Characteristics of Intermetallic compounds of Zn-Mg coated steel sheets</b> Young Jin Kwak (POSCO)
17:50	P-53217	<b>Scanning Kelvin probe blister test studies</b> Richard Grothe (University of Paderborn)
17:50	P-53227	<b>Influence of plastic strain on corrosion resistance of lean duplex DX2304</b> 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) / Virginie Roche (LEPMI, Univ. Grenoble Alpes) / Muriel Véron (SIMAP, Univ. Grenoble Alpes) / Ricardo Nogueira (LEPMI, Univ. Grenoble Alpes)
17:50	P-53822	<b>Film Growth and chloride penetration on austenitic stainless steels in NaCl solution</b> Yongsun Yi (Khalifa University)
17:50	P-54122	<b>Heterogeneous welds and their tendency to form micro-galvanic couples: study by SKPFM</b> Vaclav Sefl (Prauge) / Jaroslav Bystriansky (University of Chemistry and Technology Prague) / Radka Novakova (University of Chemistry and Technology Prague)
17:50	P-55737	<b>Comparison of barrier properties for ZRP with partial replacement of Zn by micaceous iron oxide of different commercial quality by means of electrochemical noise</b> Boleslav Eremias (SVUOM Ltd.) / Lubomir Mindos (SVUOM Ltd.) / Libor Turek (SVUOM Ltd.) / Libuse Hochmannova (SYNPO)
17:50	P-55832	<b>Corrosion problems in specific indoor microclimates</b> Hana Geiplova (SVUOM Ltd.) / Libor Turek (SVUOM Ltd.) / Dusan Majtas (ITAM CE)

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17:50	P-59097	<b>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</b> Patrice Berthod (Université de Lorraine) / Princia Billy (Faculty of Science and Technologies)
17:50	P-59112	<b>Effect of the carbon content and of the hardened state on the corrosion behaviour of cast carbon steels in an acidic aqueous milieu</b> Patrice Berthod (Université de Lorraine) / Manale Belhabib (Faculty of Sciences and Technologies)
17:50	P-59692	<b>Modeling and simulation of corrosion in sheet piling</b> Benamar Balegh (Civil Engineering Department, Sidi Bel Abbes University) / Habib Trouzine (Civil Engineering and Environmental Laboratory, Sidi Bel Abbes University)
17:50	P-61107	<b>The evaluation of photocorrosion of nanostructured ZnO thin films</b> Nur Kicir (Cukurova University) / Tuğç Tüken (Çukurova University)
17:50	P-61617	<b>Corrosion behaviours in acidic solution of spheroidal cast irons highly alloyed with nickel or cobalt</b> Patrice Berthod (Université de Lorraine) / Kamel Meridja (Faculty of Science and Technologies)
17:50	P-63057	<b>Modeling of time evolution of corroding interface in flow field</b> Kazuhiro Suga (Tokyo University of Science, Suwa)
17:50	P-63112	<b>Mechanism study on effects of hydrogen on pitting of duplex stainless steel by CS-AFM</b> Lijie Qiao (University of Science and Technology Beijing)
17:50	P-63752	<b>Effect of chosen characteristics on corrosion-erosion degradation of the Al-brasses</b> Tatiana Liptakova (University of Žilina) / Martin Lovíšek (University of Žilina) / Milan Malcho (University of Žilina) / Branislav Hadzima (University of Žilina)
17:50	P-65612	<b>In situ observation of corrosion products and surface changes in elevated temperature and pressure solutions using micro-Raman spectroscopy</b> Takashi Doi (Nippon Steel & Sumitomo Metal Corporation)
17:50	P-66847	<b>Features of iron corrosion in the early stages in bicarbonate solutions with impurity amounts of inorganic anions</b> Maria Sanina (Voronezh State Pedagogical University) / Svetlana Kaluzhina (Voronezh State University) / Natalia Nafikova (Voronezh State University)
17:50	P-70025	<b>Complementary time-frequency analysis of electrochemical noise in corrosion studies by CWT and Hilbert spectra</b> Axel M. Homborg (Netherlands Defence Academy) / P.J. Ooninx (Netherlands Defence Academy) / J.M.C. Arjan Mol (Delft University of Technology)
17:50	P-70687	<b>Semi-solid processing and Nd addition on corrosion of A356 aluminium and AZ91 magnesium alloys</b> 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	<b>Corrosion behavior of Zn-Mg-Al Alloy Coated Steel Sheets Depending on the Alloy Coating Microstructure</b> 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))
17:50	P-xxxxx	<b>Influence of surface pretreatments of aluminium Alloy 2024 on trivalent chromium process conversion coating studied by ToF-SIMS and AFM</b> A.I. Stoica (CNRS – Chimie Paris Tech) / J. Swiatowska (CNRS – Chimie Paris Tech) / A. Seyeux (CNRS – Chimie Paris Tech) / D. Mercier (CNRS – Chimie Paris Tech) / P. Marcus (CNRS – Chimie Paris Tech)

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Antigone		Corrosion and Protection of Magnesium Alloys
17:50	P-52202	<p><b>Corrosion behavior of flame-resistant Ca-added magnesium alloy in NaCl aqueous solution containing various anion species</b> 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)</p>

Antigone		Environment Sensitive Fracture
17:50	P-56882	<p><b>Study of hydrogen embrittlement for pre-charged margaing steel</b> 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)</p>
17:50	P-58317	<p><b>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</b> 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)</p>

Antigone		Nuclear Corrosion
17:50	P-57182	<p><b>Corrosion behavior of EP302M SS in high-temperature water and superheated steam</b> Dmitry Marchenkov (NIKIET) / Kirill Shutko (NIKIET)</p>
17:50	P-58972	<p><b>Evaluation of the long-term anticorrosion property of aluminum thermal spray steel within a hummed atmosphere environment</b> Gen Nakayama (IHI Corporation) / Ippei Shinozaki (Research Laboratory, IHI Corporation)</p>
17:50	P-63402	<p><b>Development of innovative high temperature cleanup technology for steam generators</b> Victor Yurmanov (JSC NIKIET) / Kirill Shutko (JSC NIKIET) / Evgeny Yurmanov (JSC NIKIET) / Alexandr Polevich (OJSC VTI) / Anastasia Kirillina (OJSC VTI)</p>
17:50	P-64822	<p><b>Study of the interactions between hydrogen and irradiation-induced defects in 316L stainless steel</b> 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)</p>

Antigone		Cathodic Protection
17:50	P-60507	<p><b>Investigation of hydrogen sorption and desorption on steel with cyclic voltammetry employing an inverted rotating disk electrode</b> 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)</p>

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Antigone		Cathodic Protection in Marine Environment
17:50	P-61172	<p><b>Study of the calcareous formation on galvanized steel by cathodic protection in seawater</b>            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)</p>

Antigone		Accelerated Corrosion Testing, Science - Lab & Field
17:50	P-61372	<p><b>Evaluating the conditions which accelerate the patination of copper in a marine environment.</b>            Matthew Kitchen (Sheffield Hallam University) / Oliver Lewis (Sheffield Hallam University)</p>
17:50	P-53117	<p><b>Required performance and optimization of the accelerated corrosion test for varying field conditions of actual plants</b>            Gen Nakayama (IHI Corporation)</p>

Antigone		Corrosion Control in Aerospace
17:50	P-64257	<p><b>Influence of Cl<sup>-</sup> ions on the corrosion behavior of anodized aluminum alloy</b>            Valentin Dumitrascu (Faculty of Engineering, Dunarea de Jos University of Galati) / Lidia Benea (Faculty of Engineering, Dunarea de Jos University of Galati)</p>
17:50	P-65112	<p><b>Monitoring macro/micro localised corrosion development and inhibition on AA2024</b>            Reza Parvizi (Deakin University) / Anthony E. Hughes (Deakin University) / Mike Y.J. Tan (Deakin University) / Maria Forsyth (Deakin University)</p>
17:50	O-68645	<p><b>Effect of cerium (III) on the corrosion protection properties of the film formed on the AA2524-T3 alloys by hydrothermal treatments.</b>            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)</p>

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

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17:50	P-62582	<b>Permeability of ultra-high performance concrete to corrosion stimulators</b> Milan Kouril (University of Chemistry and Technology, Prague) / Daniel Dobias (Czech Technical University) / Jan Stoullil (University of Chemistry and Technology) / Petr Pokorny (Czech Technical University) / Radka Novakova (University of Chemistry and Technology)
17:50	P-64212	<b>Effectiveness of calcium nitrate as concrete corrosion inhibitor according to ASTM G109-07</b> Mehrdad Torabzadegan (Yara International ASA) / Roberto Troli (ENCO Srl) / Silvia Collepari (ENCO Srl) / Wolfram Franke (Yara International ASA)
17:50	P-66962	<b>Mechanical and electrochemical properties of concrete-reinforced steel by addition of sugar cane bagasse: study of the alkali-hydrolysis reaction</b> 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	<b>Indoor accelerated corrosion test and marine field test of corrosion-resistant low-alloy steel rebars</b> 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	<b>Aerobic Bacteria Induce Corrosion</b> Khalil Mataqi (Kuwait institute for Scientific Research)
17:50	P-52177	<b>Effects of sulfate-reducing bacteria on localized corrosion behaviors of Q235 carbon steel</b> Dun Zhang (Institute of Oceanology, Chinese Academy of Sciences) / Shiqiang Chen (Institute of Oceanology, Chinese Academy of Sciences) / Peng Wang (Institute of Oceanology, Chinese Academy of Sciences) / Jiajia Wu (Institute of Oceanology, Chinese Academy of Sciences) <i>Added</i>
17:50	P-58372	<b>Three types hydrogenases of sulphate reducing bacteria three ways of microbial corrosion development</b> Andriy Pilyashenko-Novokhatny (Open International University of Human Development "Ukraine")
17:50	P-63462	<b>Influence of human bone cells on the bio-corrosion of CoCrMo prosthesis</b> Amandine Impergre (INSA de Lyon, Laboratoire Mateis, Equipe Corrls/I2B) / Bernard Normand (INSA de Lyon, Laboratoire Mateis Equipe Corrls) / Benoit Ter-Ovanessian (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	<b>Behavior of cementitious materials exposed to natural freshwater</b> Valentin Georges (Université de Lorraine / Institut Jean Lamour)
17:50	P-68412	<b>Study of microbial corrosion in aluminum alloy (AA2024-T3) by Antarctic microorganisms</b> Claudia Alvarado (Universidad de Santiago de Chile)
17:50	P-70282	<b>Electrochemical Measurements on Corrosion of Welded Structure</b> 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	<b>Water layer formation on PCBA surface and corrosion reliability: Effect of solder mask and hygroscopic residues</b> Kamila Piotrowska (Technical University of Denmark) / Morten S. Jellesen (Technical University of Denmark) / Rajan Ambat (Technical University of Denmark)

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17:50	P-60567	<b>Corrosion testing of polyimide coated copper for semiconductor devices</b> Elke Ludwig (Vienna University of Technology)
17:50	P-62257	<b>Visualization of corrosion failures on a PCBA using a gel with colorimetric tin ion indicator</b> Vadimas Verdingovas (Technical University of Denmark (DTU)) / Morten Stendahl Jellesen (Technical University of Denmark) / Rajan Ambat (Technical University of Denmark)
17:50	P-64467	<b>Protection of electronics against corrosion with 3M Novac Electronic Grade Coatings</b> Julie Boizot (3M FRANCE) / Catherine Sol (3M France)

Antigone		Corrosion & Corrosion Protection of Drinking Water Systems
17:50	P-59127	<b>Effect of electrochemical properties of Seoul city's soil on stainless steel</b> 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)
17:50	P-65282	<b>Anticorrosion protection possibilities in waste waters collecting and conveying systems</b> 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)

Antigone		Tribocorrosion
17:50	P-54992	<b>Development of a dynamic model for the description of the triboelectrochemical phenomena</b> 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 e València) / Alex Roda (Universitat Politècnica e València)
17:50	P-55727	<b>Influence of synovial constituents on tribocorrosion behaviour of Ti-29Nb-13Ta-4.6Zr <math>\beta</math> titanium alloy in physiological solution</b> 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	<b>Experimental approach of tribocorrosion</b> Jean-Pierre Celis (KULeuven)

Antigone		Marine Corrosion
17:50	P-50387	<b>Performance assessment of passive stainless steel as rebars in concrete and as a bare system exposed to marine environment</b> 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	<b>Influence of temperature, Chloride content and microstructure on corrosion behavior of 2209 duplex stainless steel welded joint</b> 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	<b>Evaluation of corrosion resistance of low alloy carbon steel using electrochemical impedance spectroscopy and field tests</b> 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)

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17:50	P-65727	<b>The behavior of galvanized steel used in specific marine environment</b> Laurentiu Mardare (Engineering Faculty, Dunarea de Jos of Galati) / Lidia Benea (Engineering Faculty, Dunarea de Jos of Galati)
17:50	P-70882	<b>IMO Performance Standard for Protective Coatings</b> Taegun Kim (KTR) / YJ Kim (KTR)

Antigone		Corrosion of Archaeological and Historical Artefacts
14:00	P-57367	<b>Outdoor bronze corrosion: nanoscale XPS investigation of silane-based protective coatings</b> 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	<b>Preservation of daguerreotypes</b> Jan Svadlena (VSCHT Praha) / Petra Šemíková (FAMU Prague) / Jan Stoullil (VSCHT Prague)
17:50	P-62367	<b>Corrosion protection of metallic archaeological artefacts using parylene based removable barrier coating</b> Lucie Blahova (Brno University of Technology, Faculty of Chemistry) / Jakub Horak (Brno University of Technology Faculty of Chemistry) / Radek Prikrýl (Brno University of Technology, Faculty of Chemistry) / Frantisek Krcma (Brno University of Technology, Faculty of Chemistry)
17:50	P-68422	<b>Development of an electrochemical method for quantitative assessment of organic coatings used in conservation of archaeological objects</b> Douglas Mills (University of Northampton) / Tian Lang Lan (University of Northampton) / Katarzyna Schaefer (National Maritime Museum, Gdansk) / Katarzyna Schaefer (National Maritime Museum, Gdansk)

Antigone		Corrosion and Scale Inhibition
17:50	P-50647	<b>Effect of pre-strain on the oxidation behaviour of 304L under oxygen at 850 °C</b> Audrey Col (SIMAP) / Valerie Parry (SIMAP) / Yves Wouters (SIMAP) / Céline Pascal (SIMAP)
17:50	P-55402	<b>Synthesis, quantum chemical calculations and corrosion inhibition efficiency of chitosan Ionic Liquid on API X65 steel surface in acidic environment</b> Elsayed Zaki (Egyptian Petroleum Research Institute) / S.M. Elsaeed (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	<b>Protection of equipment for storage and transport with vapor phase corrosion inhibitors</b> 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	<b>Study on the corrosion behavior of metallic copper in aqueous solutions of HNO<sub>3</sub> and HCl and the corrosion inhibiting effects of N and S</b> Sabine Reither (KAI GmbH)
17:50	P-61152	<b>Evaluation of inhibition behaviour of (2-Aminoethyl)-carbamodithioic acid for steel protection</b> Nur Kicir (Cukurova University) / Mehmet Erbil (Çukurova University) / Tunç Tüken (Çukurova University)

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17:50	P-61682	<b>Inhibition of brass corrosion urban rainwater</b> Gokmen Sigircik (Cukurova University) / Gozde Tansug (Cukurova University) / Tunc Tuken (Cukurova University)
17:50	P-61832	<b>Corrosion protection of copper in simulated cooling water</b> Gokmen Sigircik (Cukurova University) / Tunc Tuken (Cukurova University) / Mehmet Erbil (Cukurova University)
17:50	P-62552	<b>Nanocomposites anticorrosion coat for carbon steel in acidic medium</b> 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	<b>The inhibitory action of cationic surfactant on corrosion behavior of carbon steel during removal of undesirable scale</b> 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	<b>Novel tetrachlorometallate surfactant complexes synthesized by solid-state reaction as corrosion inhibitors for carbon steel in acidic solution</b> 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	<b>Evaluation of inulin and aloe vera as green corrosion inhibitors for mild steel in 15% HCl</b> Katy Voisey (University of Nottingham) / Nicola Everitt (The University of Nottingham) / Olorunfemi Ajayi (The University of Nottingham) / Angus Hegarty (The University of Nottingham)
17:50	P-67512	<b>Corrosion behavior of pure iron in 1M HCl as a function of schiff base concentration and electronics</b> Ahmed Alshamsi (United Arab Emirates University) / <b>Cancelled</b> / <del>Soleiman H. Hainjer (United Arab Emirates University)</del>
17:50	P-68197	<b>Evaluation of corrosion inhibition performance of a prepared Quinoline derivative on steel in 1M HCl solution</b> 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 <sup>3,4</sup> (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)



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17:50	P-68307	<p><b>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</b></p> <p>André de Mendonça Santos (Universidade Estadual de Santa Cruz) / Lhaira Souza Barreto (Universidade Estadual de Santa Cruz) / Isabel Correia Guedes (Universidade de São Paulo) / Hercilio Gomes de Melo (Universidade de São Paulo) / Isolda Costa (Universidade de São Paulo)** / Vera Rosa Capelossi (Universidade Estadual de Santa Cruz)</p>
17:50	P-69740	<p><b>Zizyphus Lotus as corrosion inhibitor for copper in HCl medium</b></p> <p>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)</p>

Antigone		Corrosion in Oil & Gas Production
17:50	P-54842	<p><b>Stress corrosion cracking behaviour of lean duplex stainless steels in the presence of chloride and thiosulphate</b></p> <p>Federica Zanotto (University of Ferrara/Terra&amp;AcquaTech Laboratory) / Fabrizio Zucchi (University of Ferrara) / Vincenzo Grassi (University of Ferrara/Terra&amp;AcquaTech Laboratory) / Andrea Balbo (University of Ferrara/Terra&amp;AcquaTech Laboratory) / Cecilia Monticelli (University of Ferrara/Terra&amp;AcquaTech Laboratory) / Alessandro Frignani (University of Ferrara)</p>
17:50	P-55377	<p><b>Fundamental investigations of sour oilfield corrosion</b></p> <p>Hadeel Hussain (University of Manchester) / Matthew Acres (University of Manchester) / Chris Muryl (University of Manchester) / Robert Lindsay (University of Manchester)</p>
17:50	P-55512	<p><b>Influence of environmental factors on the corrosion behavior and the passivity of a 2209 duplex stainless steel welded joint</b></p> <p>Hania HACHEMI (University of Science and Technology Houari Boumediene (U.S.T.H.B)) / Mohamed AZZAZ (University of Science and Technology Houari Boumediene (U.S.T.H.B)) / Mohamed Elamine DJEGHLAL (National Polytechnic School (E.N.P))</p>
17:50	P-56032	<p><b>Inhibiting corrosion in transport pipelines by VpCl additives to crude oil</b></p> <p>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)</p>
17:50	P-59347	<p><b>Improvement of sol-gel coatings and their anti-corrosion properties by doping with titanium precursor</b></p> <p>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)</p>
17:50	P-61347	<p><b>The Field Kelvin Probe for contactless detection of corrosion potentials: capabilities and implementation</b></p> <p>Bård Henriksen (Christian Michelsen Research A/S) / Inge Klepšvik (Christian Michelsen Research A/S) / Michael Rohwerder (Max-Planck-Institut für Eisenforschung GmbH) / Florin Turcu (Christian Michelsen Research A/S)</p>
17:50	P-64897	<p><b>Tactics to control corrosion under insulation</b></p> <p>Montaser Al Mubayid (Saudi aramco) / Salman Al Dossary (Saudi Aramco)</p>

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17:50	P-68887	<b>Services for pipeline operators within the ESA Space Situational Awareness Space Weather Service Network</b> 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)
17:50	P-69565	<b>The laboratory testing of L360NB, J55 and L80 used as casing pipes in the shalegas production systems</b> 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)
17:50	P-69645	<b>The corrosion resistance of casing pipes used in the shalegas production systems</b> Same as P-69565

Antigone		Corrosion of Polymer Materials
17:50	P-50962	<b>Comparison of the environmental stress cracking behaviour of polyethylene and polyethylene terephthalate as materials for dangerous goods packagings</b> Margit Weltschev (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	<b>Media influence on the thermo-calorimetric behaviour of polyamides</b> Denise Oelzant (Montanuniversität Leoben) / Peter Guttmann (Montanuniversität Leoben) / Gerald Pilz (Montanuniversität Leoben)
17:50	P-67212	<b>Thermo-mechanical and long term creep behaviour of polymer foams in mineral oil</b> Peter Guttmann (Montanuniversität Leoben) / Paul Hofer (Montanuniversität Leoben) / Gerald Pilz (Montanuniversität Leoben)
17:50	P-70100	<b>Diffusion-Controlled Staining and Degradation of Organic Coatings</b> 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 by Hot Gases and Combustion Products
17:50	P-61632	<b>High temperature oxidation behaviour of cast Ni-based chromium-rich alloys reinforced by titanium carbides</b> Patrice Berthod (Université de Lorraine) / Mira Khair (Faculty of Science and Technologies)
17:50	P-63167	<b>Effect of the nanostructuring of skutterudite materials on their oxidation behaviours</b> Patrice Berthod (Université de Lorraine) / Richard Drevet (Institut Jean Lamour) / Lionel Aranda (Institut Jean Lamour) / Mohamed Benyahia (ICMPE-CMTR) / Driss Kenfaui (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	<b>The development of a probe for continuous monitoring of the dew point of combustion products in energy boilers</b> Hruska Jan (SVUM a.s.) / Jakub Mlnarik (SVUM a.s.)
Antigone		Coatings for High Temperatures

## Tuesday 13 September 2016

17:50	P-56122	<b>Process for producing of a pre-ceramic polymer coating with highly efficient protection against high-temperature corrosion of a commercial AISI 304 stainless steel</b> Frederic Riffard (LVEEM - EA 3864) / Eva Joannet (LVEEM - EA 3864) / Henri Buscaill (LVEEM - EA 3864) / Raphaël Rolland (LVEEM - EA 3864) / Sébastien Perrier (LVEEM - EA 3864)
17:50	P-56337	<b>Behavior of thermally sprayed coatings exposed to high temperature hot corrosion environment</b> Schubert Jan (Research and Testing Institute Plzen) / Zdeněk Česánek (Research and Testing Institute Plzen)
17:50	P-66982	<b>Influence of CeO<sub>2</sub> coatings on the oxidation of nickel polycrystals</b> 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	<b>Ni-base coatings for high temperature corrosion control</b> 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	<b>Electrochemical study of passive films formed on welded lean duplex stainless steel by Mott-Schottky analysis</b> Dalila Sicupira (Universidade Federal de Minas Gerais)
17:50	P-62987	<b>AISI 317L and SAF 2304 steels corrosion resistance in acidified glycerin containing chloride medium from biodiesel plant</b> 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	<b>Corrosion behavior of stainless steels in biodiesel plant fluids</b> 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	<b>Surface preparation issues related to corrosion protection performance</b> Hendrik Müller (Helmut Müller GmbH)

**Wednesday 14 September 2016**

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

## Wednesday 14 September 2016

Rondelet		Organic Coatings
Chair(s)		<i>W. Furbeth / L. Fedrizzi</i>
9:40	O-53452	<b>On the importance of the chemical interface between organic coatings and metals</b> 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	<b>Chitosan: a smart bio-based coating for metal protection against corrosion</b> Clement Coquery (ICGM) / Ghislain David ( <i>idem</i> ) / Claire Negrell ( <i>idem</i> ) / Nadine Pèbère (CIRIMAT)
10:20	O-68022	<b>Li redistribution from inhibited primers for defect protection</b> 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		<b>Coffee Break</b>
Rondelet		Organic Coatings
Chair(s)		<i>S. Touzain / F. Delforian</i>
11:10	O-66077	<b>Performance of polyolefin coatings - the relation between polymer structure and coating properties</b> Henk Vugteveen (Seal for Life)
11:30	O-64197	<b>Grafting catanionics micro-crystals as coating corrosion inhibitors on 9% chromium steel</b> Thomas Zemb (Institut de Chimie Separative de Marcoule) / Damien Feron (CEA)
11:50	O-61442	<b>Investigations on new zinc phosphate platelet containing highly structured corrosion protection coatings on mild steel</b> Carsten Becker-Willinger (INM - Leibniz Institute for New Materials) / Marlon Jochum ( <i>idem</i> ) / Sener Albayrak ( <i>idem</i> ) / Emilie Perre ( <i>idem</i> )
11:50	O-61442	<b>Investigations on new zinc phosphate platelet containing highly structured corrosion protection coatings on mild steel</b> Carsten Becker-Willinger (INM - Leibniz Institute for New Materials) / Marlon Jochum ( <i>idem</i> ) / Sener Albayrak ( <i>idem</i> ) / Emilie Perre ( <i>idem</i> )
12:10	O-55327	<b>Preparation of corrosion resistant film on Aluminum alloy by steam coating</b> Ai Serizawa (Shibaura Institute of Technology) / Takahiro Ishizaki ( <i>idem</i> )
Rondelet		Organic Coatings
Chair(s)		<i>S. Touzain / F. Delforian</i>
14:00	O-54227	<b>Corrosion protection of offshore wind structures</b> 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) / Sibø Buter (Endures) / Harald van der Mijle Meijer (TNO)
14:20	O-59272	<b>Improved adhesion and corrosion protection using novel waterborne binders</b> 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> )
14:40	O-56632	<b>Electrophoretic acrylic paints with different colour pigments concentrations</b> Stefano Rossi (University of Trento) / Luiz G. Ecco ( <i>idem</i> ) / Michele Fedel ( <i>idem</i> ) / Flavio Delforian ( <i>idem</i> )

**Wednesday 14 September 2016**

15:00	O-63432	<b>Comparison of anticorrosive coating systems' behavior in laboratory tests and after 10 to 20 years of use on steel bridges</b> 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	<b>Glycidyl-POSS cages as a key component for the preparation of water-based epoxy / POSS nanocomposite coatings</b> FX Perrin (Laboratoire MAPIEM EA 4323 - Université de Toulon) / A Margailan ( <i>idem</i> ) / N Chaoui ( <i>idem</i> )
15:40	<b>Coffee Break</b>	
<b>Rondelet</b>	<b>Organic &amp; Inorganic Coatings</b>	
<b>Chair(s)</b> <i>J. Fernandes / A. Krolikowska</i>		
16:10	O-56372	<b>Influence of pigment rate on degradation of anticorrosion polymer coatings under ageing factors</b> Coralie Vosgien Lacombre (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	<b>Evaluation of durability of petrolatum lining under marine environment</b> Masahiko Hoshino (Nakabohtec Co., Ltd. / Toyohashi University of Technology) / Masahiro Fukumoto (Toyohashi University of Technology) / Yukihiko Matsumoto ( <i>idem</i> )
16:50	O-61302	<b>Influence of nanoparticles on corrosion resistance of polysiloxane-based coatings</b> 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	<b>Development of Nanoparticulate Coatings for High-Strength Steel Alloys during the Press Hardening Process</b> Volodymyr Kuznetsov (DECHEMA-Forschungsinstitut) / Britta Tigges ( <i>idem</i> ) / Sigrid Benfer ( <i>idem</i> ) / Mehdi Yekhehtaz ( <i>idem</i> ) / Wolfram Fürbeth ( <i>idem</i> )
19:30	<b>Departure for the Congress Dinner</b>	

## Wednesday 14 September 2016

Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>K. Fushimi</i>
9:40	O-68137	<b>Influence of zirconium-based conversion treatment on dry and wet adhesion of carbon steel-fusion bonded epoxy coating systems</b> Majid Sababi (TU Delft) / Herman Terryn (Vrije Universiteit Brussel) / Arjan Mol (Delft University)
10:00	O-59377	<b>Influence of inorganic components in organic coating on the corrosion protection of galvanized steel</b> 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	<b>Electrochemical approach for the definition of the Pedferri's diagrams of stainless steels</b> 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		<b>Coffee Break</b>
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>J.M.C. Arjan Mol</i>
11:10	O-57582	<b>Degradation mechanisms of thin silver layers protected by oxide films</b> 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	<b>Corrosion behaviour of thermally aged duplex stainless steel containing micro- and nano-(Cr, Fe)<sub>2</sub>N particles studied using capillary techniques, atomic force microscopy and potentiostatic pulse testing method.</b> 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	<b>Critical Pitting Temperature (CPT) determination from potentiodynamic polarization tests of a duplex stainless steel.</b> 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	<b>Comparing critical pitting temperatures of stainless steels measured electrochemically in NaCl and MgCl<sub>2</sub> solutions</b> Kristina Lund (Sandvik Materials Technology) / Anna Delblanc ( <i>idem</i> ) / Anna Iversen ( <i>idem</i> )
12:30		<b>Lunch</b>
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>B. Normand</i>
14:00	O-53677	<b>Influence of copper addition on the passivity and on the pitting corrosion resistance of super duplex stainless steel</b> 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	<b>Crevice corrosion of a 13Cr stainless steel induced by contact with the carbon</b> Ryotaro Yamamoto (EBARA Corporation) / Hiroshi Yakuwa ( <i>idem</i> ) / Takashi Sugaya ( <i>idem</i> ) / Jun'ichi Sakai (Waseda University)
14:40	O-62062	<b>Correlation between corrosion and microstructure of ferritic-martensitic steel: A multidisciplinary approach</b> Thomas Remmerswaal (Delft University of Technology) / Maria J. Santofimia ( <i>idem</i> ) / Yaiza Gonzalez-Garcia ( <i>idem</i> )

**Wednesday 14 September 2016**

15:00	O-53342	<b>Influence of grain size on the corrosion resistance of lean duplex DX2202</b> 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	<b>Exploration of microstructure and surface composition on corrosion initiation of a Cu-Al-Zn alloy</b> 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	<b>Coffee Break</b>	
Barthez	<b>Corrosion Mechanisms, Methods and Modelling</b>	
<b>Chair(s)</b> <i>R. Oltra</i>		
16:10	O-56497	<b>Investigation of corrosion behavior of SSM-HPDC aluminum-silicon alloys</b> 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	<b>Complementary use of EIS, Odd-Random-Phase EIS and Electrochemical Noise Measurements to study corrosion systems.</b> Mats Meeusen (Delft University of Technology) / A.M. Homborg (Netherlands Defence Academy) / B. Boelen (Tata steel research development and technology) / H. Terryen (Vrije Universiteit Brussel) / J.M.C Mol (Delft University of Technology)
16:50	O-61062	<b>The development of a sensors based technology for remote monitoring, prediction and optimisation of structural failure parameters</b> Mian Hammad Nazir (Bournemouth university) / Zulfiqar Khan ( <i>idem</i> )
17:10	O-52497	<b>Evaluation of corrosion products and trends in corrosion rates for aluminum exposed at different atmospheric environments in Europe</b> Johan Tidblad (Swerea KIMAB) / Dominique Thierry (Institut de la Corrosion)
19:30	<b>Departure for the Congress Dinner</b>	



## Wednesday 14 September 2016

Joffre C+D		Nuclear Corrosion
Chair(s)		<i>D. Féron / S. Ritter</i>
9:40	K-70215	<b>Coriou Award Lecture (Keynote)</b> <b>Contribution of research to the understanding and mitigation of Environmentally-Assisted Cracking (EAC) in structural components in light water reactors</b> David R Tice (Amec Foster Wheeler)
10:20	O-69515	<b>Corrosion mechanism of iron in liquid uranium hexafluoride environment</b> 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		<b>Coffee Break</b>
Joffre C+D		Nuclear Corrosion
Chair(s)		<i>M. Le Flem / A. Bellefleur</i>
11:10	O-51542	<b>Corrosion characterization of ultrathin film formed on zirconium</b> Aneta Krausová (UCT Prague)
11:30	O-50507	<b>Using tapered specimen to study the effect of hydrogen on SCC initiation in Alloy 182 under BWR condition</b> 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	<b>The investigation of the uptake mechanism of hydrogen in steel by Cyclic Voltammetry (CV)</b> 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	<b>Chromium depleted zone in nickel base alloy: experimental study of chromium diffusion between 350°C and 500°C</b> 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		<b>Lunch</b>
Joffre C+D		Nuclear Corrosion Mechanisms
Chair(s)		<i>D. Féron / S. Ritter</i>
14:00	K-70255	<b>Keynote Lecture</b> <b>Accumulation of hydrogen at metal/oxide interface and its implication to oxidation acceleration and ageing degradation of energy conversion components</b> Tetsuo Shoji (Frontier Research Initiative, New Industry Creation Hatchery Center, Tohoku University) / Jian X (Frontier Research Initiative, New Industry Creation Hatchery Center, Tohoku University)

**Wednesday 14 September 2016**

14:30	K-68402	<b>Keynote Lecture</b> <b>The in-situ scratching repassivation behavior of steam generator tube material in high-temperature pressurized water</b> En-hou Han (Institute of Metal Research Chinese Academy of Sciences)
15:00	O-58787	<b>Effect of heat treatment on residual stresses, dislocation density and stress corrosion cracking susceptibility of 304L steel in high temperature water</b> Aida Liliana Medina Almazan (Instituto Nacional de Investigaciones Nucleares) / Natali Lopez Garcia (Instituto Nacional de Investigaciones Nucleares) / Gonzalo Galicia Aguilar (Instituto de Ingeniería/Universidad Veracruzana)
15:20	O-60057	<b>Helium effects on irradiation assisted stress corrosion cracking</b> 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	<b>Coffee Break</b>	
<b>Joffre C+D</b>		<b>Nuclear Corrosion</b>
<b>Chair(s)</b>		<i>N. Smart / S. Uchida</i>
16:10	O-52357	<b>High-Temperature Water Effects on the Fracture Behaviour of Low-Alloy RPV Steels</b> 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	<b>Study of the effect of intergranular carbides in the behavior to stress corrosion cracking of Alloy 690 in supercritical water</b> Alberto Sáez-Maderuelo (CIEMAT) / Dolore Gómez Briceño (CIEMAT) / César Maffiotte (CIEMAT) / Francisco Javier Perosanz (CIEMAT)
16:50	O-52057	<b>The role of grain boundary oxidation in the intergranular cracking of Alloy 600 exposed to PWR primary water</b> Yun Soo Lim (Korea Atomic Energy Research Institute)
17:10	O-65952	<b>Mitigation of crack initiation in LWRs (MICRIN+)</b> 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	<b>Ceramic materials used in the generation IV. Reactors: microstructure evaluation after exposure to SCW</b> Daniela Marusakova (Research Centre Rez) / Petra Bublíková (Research Centre Rez) / Jan Berka (Research Centre Rez)
17:50	O-61267	<b>Influence of liquid sodium on the mechanical behaviour of structural materials: sensitivity to liquid metal embrittlement</b> 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	<b>Departure for the Congress Dinner</b>	

## Wednesday 14 September 2016

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

## Wednesday 14 September 2016

<b>Chair(s)</b> <i>E. Szala / B. Normand</i>		
<b>9:40</b>	O-69840	<b>Digital tools to predict automotive corrosion</b> Laurent Rougier (Renault technocentre)
<b>10:00</b>	O-69845	<b>Numerical simulation for carbon-aluminum galvanic corrosion under a saltwater film</b> Kenji Amaya (Tokyo Institute of Technology ) / Koichi Masuya (Tokyo Institute of Technology ) / Yuki Onishi (Tokyo Institute of Technology)
<b>10:20</b>	O-57457	<b>Numerical prediction of liquid film formation during accelerated corrosion tests: comparison with experiments</b> Nils Van den Steen (Vrije Universiteit Brussel) / Johan Deconinck (Vrije Universiteit Brussel)
<b>10:40</b>		<b>Coffee Break</b>
<b>Barcelona</b>		<b>Automotive Corrosion</b>
<b>Chair(s)</b> <i>E. Szala / B. Normand</i>		
<b>11:10</b>	O-56352	<b>Time-resolved data and particle deposition collection techniques for accelerated corrosion tests and mobile corrosion exposure tests</b> Bo Rendahl (Swerea KIMAB AB) / Johan Tidblad (Swerea KIMAB AB) / Andrew Gordon (Swerea KIMAB AB)
<b>11:30</b>	O-51827	<b>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</b> Christoph Jahn (Technische Universität Dresden) / Günther Prokop (TU Dresden, Chair of Automotive Engineering)
<b>11:50</b>	O-69835	<b>Alkaline resistance of anodized parts for automotive industry</b> Jan-Olov Nilsson (Sapa Technology) / Magnus Gustavsson (Sapa Technology) / Tomas Johansson (Sapa Technology ) / Joakim Oxelbark (Sapa Technology) / Annica Crispin (Sapa Technology)
<b>12:10</b>	O-55607	<b>Influence of de-icing salt chemistry on the corrosion behavior of AA6016</b> 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 comissioned 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)
<b>12:30</b>		<b>Lunch</b>
<b>Barcelona</b>		<b>Automotive Corrosion</b>
<b>Chair(s)</b> <i>E. Szala / L. Rougier</i>		
<b>14:00</b>	O-66952	<b>Corrosion protection of automotive brake lines tubing using Zn-Al coatings deposited by magneto-hydrodynamic (MH) techniques.</b> Jose R. Flores (Cooper Standard Automotive)
<b>14:20</b>	O-56012	<b>The corrosion properties of zinc coated boron steel for the direct press hardening process</b> Martin Jönsson (Gestamp)
<b>14:40</b>	O-54727	<b>Corrosion rate monitoring of automotive materials under perforation and open conditions</b> Frédéric Lédan (Institut de la corrosion)
<b>15:00</b>	O-61702	<b>Electrochemical sensor for analyzing corrosion protection efficiency of aged coolants</b> Paul Matzke (Volkswagen AG) / Pina Schlombs (Volkswagen AG) / Jens Strassmann (Volkswagen AG) / Georg Andresohn (Technische Universität Darmstadt MPA / IfW Darmstadt) / Matthias Oechsner (Technische Universität Darmstadt MPA / IfW Darmstadt)

**Wednesday 14 September 2016**

15:20	O-59017	<b>Corrosion mechanisms in aluminium clad sheets for automotive heat exchangers studied by electrochemical depth profiling</b> Lionel Peguet (Constellium) / Valentin Lair (Constellium) / Edwin Mendez (Constellium) / Hanane Noui (Constellium)
15:40		<b>Coffee Break</b>
<b>Barcelona</b>		<b>Automotive Corrosion</b>
<b>Chair(s)</b>		<i>E. Szala / L. Rougier</i>
16:10	O-60277	<b>Electrochemical and microstructural characterization of multi-clad aluminium brazing sheets</b> Kirill Bordo (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Visweswara Gudla (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark) / Lionel Peguet (Constellium Technology Center) / Andreas Afseth (Constellium Technology Center) / Kai Discherl (Danish National Metrology Institute) / Rajan Ambat (Section of Materials and Surface Engineering, Department of Mechanical Engineering, Technical University of Denmark)
16:30	O-66052	<b>Characterization of different corrosion protection systems on magnesium alloys for applications in the automotive industry</b> Michael Grabowski (AUDI AG) / Daniel Blücher (SINTEF Materials and Chemistry) / Petra Kim (AUDI AG) / Sannakaisa Virtanen (University of Erlangen-Nuremberg)
16:50	O-65582	<b>Study of brass corrosion and brass coated steel in sulfate media; effects of stirring and pH</b> Alexandre Romaine (INSA Lyon/MATEIS) / Belaud Thomas (INSA Lyon/MATEIS) / Hélène Dubromez (INSA Lyon/MATEIS) / Nicolas Mary (INSA Lyon/MATEIS) / Brenard Normand (INSA Lyon/MATEIS)
17:10	O-56022	<b>Corrosion behavior of an electrical connection between a 1370 aluminum alloy wire and a copper terminal for car manufacturing applications</b> Rosanne Gravina (Université de Toulouse, CIRIMAT, UPS/INPT/CNRS, ENSIACET) / Nadine Pébère (Université de Toulouse, CIRIMAT, UPS/INPT/CNRS, ENSIACET) / Adrien Laurino (LEONI W.S.F.) / Christine Blanc (Université de Toulouse, CIRIMAT, UPS/INPT/CNRS, ENSIACET)
17:30	O-56287	<b>Effect of Sb addition on hydrogen embrittlement of ultra-high strength steels for automotive car-body</b> Sun-Ah Park (HYUNDAI STEEL / Steel Application Engineering Team, Manager)
19:30		<b>Departure for the Congress Dinner</b>

## Wednesday 14 September 2016

Joffre 5		Microbial Corrosion of Steel in Concrete
Chair(s)		F. Feugeas
9:40	K-70225	<b>Keynote Lecture</b> <b>Introduction to Microbial Corrosion of Steel in Concrete</b> Françoise Feugeas (INSA Strasbourg)
10:20	O-60847	<b>Characterization of a steel rebar in the cathodic domain by simultaneous measurements of surface reflectivity and electrochemical impedance spectroscopy</b> 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		<b>Coffee Break</b>
Joffre 5		Microbial Corrosion of Steel in Concrete
Chair(s)		F. Feugeas
11:10	O-63932	<b>Electrochemical behaviour of carbon steel reinforcement in alkaline solution: the importance of steady-state measurement</b> 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	<b>Corrosion behaviour of carbon steel reinforcement in simulated concrete pore solutions: Influence of a bio-additive</b> 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	<b>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</b> 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	<b>Cathodic reactions on carbon steel in aerated solution at pH 13</b> 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		<b>Lunch</b>
Joffre 5		Microbial Corrosion of Steel in Concrete
Chair(s)		R. Basseguy
14:00	O-64352	<b>Influence of a bioadmixture on standardized parameters of cementitious materials</b> Nicolas Serres (INSA Strasbourg) / Huan He ( <i>idem</i> ) / Thierry Meylheuc (INRA - B2HM) / Françoise Feugeas (INSA Strasbourg)

## Wednesday 14 September 2016

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

<b>Joffre 5</b>		<b>Microbial Corrosion</b>
<b>Chair(s)</b>		<b><i>P. Cristiani</i></b>
16:10	K-70075	<b>Keynote Lecture</b> <b>Electrochemical techniques: tools to observe, decipher mechanisms and monitor biocorrosion</b> Régine Basseguy (Laboratoire de Génie Chimique, Université de Toulouse ) / Ingrid Rouvre ( <i>idem</i> )
16:50	O-59807	<b>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</b> 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	<b>Action mechanism of hydrogenase to accelerate mild steel anaerobic corrosion</b> Ingrid Rouvre (LGC) / Charles Gauquelin (LISBP - INSA) / Isabelle Meynial-Salles (LISBP - INSA) / Régine Basseguy (LGC - INSA)
17:30	O-50452	<b>Biological degradation of toluene causes souring</b> Yasunori Tanji (Tokyo Institute of Technology)
17:50	O-63277	<b>Effect of Escherichia coli K12 adhesion and biofilm growth on the surface chemical composition of 70Cu-30Ni alloy, 304L stainless steel and titanium</b> 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		<b>Departure for the Congress Dinner</b>

**Wednesday 14 September 2016**

<b>Joffre 4</b>		<b>Tribocorrosion</b>
<b>Chair(s)</b>		<b><i>A. Igual-Munoz</i></b>
<b>9:40</b>	O-60547	<b>Chemo-mechanical polishing of tungsten: a tribocorrosion approach</b> Stefano Mischler (École Polytechnique Fédérale de Lausanne (EPFL)) / Jelena Stojadinovic (Ruhr University Bochum) / Didier Bouvet (EPFL)
<b>10:00</b>	O-55362	<b>Influence of corrosion on fretting-fatigue endurance</b> ALBA DALMAU (Laboratoire de Tribologie et Dynamique des Systèmes) / Siegfried FOUVRY ( Laboratoire de Tribologie et Dynamique des Systèmes )
<b>10:20</b>	O-56277	<b>Wear-corrosion of a duplex stainless steel in desaturated media: influence of counterbody material and contact geometry</b> Mohamed Moustapha MOINE (INSA de Lyon)
<b>10:40</b>		<b>Coffee Break</b>
<b>Joffre 4</b>		<b>Tribocorrosion</b>
<b>Chair(s)</b>		<b><i>A. Igual-Munoz</i></b>
<b>11:10</b>	O-55852	<b>Study of the galvanic coupling effect in a sliding tribocorrosion system on the AISI 316L</b> 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 )
<b>11:30</b>	O-61647	<b>Tribocorrosion modeling of metal-on-metal artificial hip joints including lubrication effects</b> 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)
<b>12:30</b>		<b>Lunch</b>



**Wednesday 14 September 2016**

<b>Joffre 4</b>		<b>Marine Corrosion</b>
		<b>Chair(s)</b> <i>U. Kivisäkk / P. Refait</i>
<b>14:00</b>	O-58292	<b>Preventing galvanic corrosion in drilling risers and subsea equipment</b> Troels Mathiesen (FORCE Technology) / Harald Osvoll (FORCE Technology) / Peyman Mohseni (MHWirth AS)
<b>14:20</b>	O-57767	<b>Corrosion performance of damaged thermally sprayed aluminium in simulated deep sea environment (500bar)</b> Shiladitya Paul (Twi Ltd)
<b>14:40</b>	O-56182	<b>Corrosion behaviour of Mooring Chain steel in seawater</b> Xiaolong Zhang (Endures) / Nanni Noel (Endures) / Gabriele Ferrari (Endures) / Martijn Hoogeland (TNO)
<b>15:00</b>	O-65837	<b>Influence of polymer coatings against marine corrosion</b> Laurentiu Mardare (Engineering Faculty, Dunarea de Jos of Galati) / Lidia Benea (Engineering Faculty, Dunarea de Jos of Galati)
<b>15:20</b>	O-58882	<b>The effect of hydrogen on stress corrosion behavior of X65 steel welded joint in simulated deep sea environment</b> 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)
<b>15:40</b>		<b>Coffee Break</b>
<b>Joffre 4</b>		<b>Marine Corrosion</b>
		<b>Chair(s)</b> <i>U. Kivisäkk / P. Refait</i>
<b>16:10</b>	O-58567	<b>Corrosion behaviour of cupronickel 90/10 condenser tubes in thermal desalination plant MED exposed to synthetic seawater at different temperature</b> 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)
<b>16:30</b>	O-50827	<b>Mapping the risk of pitting of stainless steel 316L at sea</b> Olivier Lavigne (The University of Adelaide) / Kenneth Davey (The University of Adelaide)
<b>16:50</b>	O-68222	<b>The effect of a complex bacterial consortium present as a biofilm or as planktonic population on marine corrosion of 1020 carbon steel</b> 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)
<b>17:10</b>	O-53137	<b>Corrosion of carbon steel in marine sediments: mechanisms and kinetics</b> 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)
<b>17:30</b>	O-52162	<b>Effect of aluminium alloying on the marine corrosion of cast steel</b> Robert Jeffrey (The University of Newcastle) / Robert Melchers (The University of Newcastle)
<b>19:30</b>		<b>Departure for the Congress Dinner</b>

## Wednesday 14 September 2016

Sully 3		Corrosion and Scale Inhibition
Chair(s)		<i>G. Schmitt / K. Demadis</i>
9:40	O-55682	<b>Effect of sulfonate ratio of acrylic acid Co-polymer on corrosion inhibition in cooling water condition</b> Takanori Yoshino (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	<b>Corrosion protection of mild steel in cooling water systems with green polymeric inhibitor, tannic acid</b> İpek Öztürk (Kurita Turkey Kimya A.Ş. / Istanbul Technical University)
10:20	O-52962	<b>Electrochemical behaviour of a combined BTA/CeCl<sub>3</sub> inhibitor system for the corrosion protection of AA 2024 in NaCl solution</b> 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		<b>Coffee Break</b>
Sully 3		Corrosion and Scale Inhibition
Chair(s)		<i>G. Schmitt / K. Demadis</i>
11:10	O-64482	<b>Good scale-bad scale: exploration of this intricate duality in water systems</b> Kostas Demadis (University of Crete) / Argyro Spinthaki (University of Crete)
11:30	O-62722	<b>Analysing the behaviour of chromate replacement corrosion inhibitors with segmented-electrode electrochemical impedance spectroscopy for cut edge applications</b> Lee Farren (University of Manchester) / Stuart Lyon (University of Manchester) / Dave Francis (AkzoNobel)
11:50	O-52572	<b>Surfactant properties of novel green oilfield corrosion inhibitors</b> 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	<b>Unexpected results concerning performance of corrosion inhibitors in relatively low corrosivity sour oil &amp; gas environments</b> Deniz Ugur (Shell Global Solutions) / Johannes Sonke (Shell Global Solutions) / Nicholas Laycock (Qatar Shell Research and Technology Center)
12:30		<b>Lunch</b>
Sully 3		Corrosion and Scale Inhibition
Chair(s)		<i>G. Schmitt / K. Demadis</i>
14:00	O-51087	<b>Multipurpose oilfield chemical inhibitors</b> Yahya AlJanabi (Saudi Aramco) / AbdulHadi Khuraidah (Saudi Aramco) / Qiwei Wang (Saudi Aramco)
14:20	O-60707	<b>A new method for the detection of optimal dose of corrosion inhibitors in MEG regeneration systems</b> Melanie Reid (LUX Assure) / Catherine Rowley-Williams (LUX Assure) / Scott Rankin (LUX Assure)
14:40	O-52007	<b>Vapor phase inhibitors in functional fluids</b> Robert Kean (Cortec Corporation) / Boris Miksic (Cortec Corporation)
15:00	O-65097	<b>Electrochemical and static HPHT study of porphyrin derivatives as effective corrosion inhibitor for N80 and J55 steel in sweet corrosion environment</b> Ambrish Singh (SOUTHWEST PETROLEUM UNIVERSITY) / Yuanhua Lin (SOUTHWEST PETROLEUM UNIVERSITY)

**Wednesday 14 September 2016**

15:20	O-67852	<b>Environmentally friendly inhibitors from vegetable extracts to protect carbon steel corrosion in acidic environment</b> 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		<b>Coffee Break</b>
19:30		<b>Departure for the Congress Dinner</b>

**Wednesday 14 September 2016**

<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
<b>9:40</b>	O-54317	<b>Guidelines for corrosion inhibitor selection for oil and gas production</b> Johannes Sonke (Shell) / William D. Grimes (Shell)
<b>10:00</b>	O-67677	<b>Vapor corrosion inhibitors in novel applications in the Middle East</b> Usama Jacir (Cortec Middle East)
<b>10:20</b>	O-59992	<b>Prediction of corrosion rates of carbon steel in complex flow systems</b> Joshua Owen (University of Leeds) / Richard Barker (University of Leeds) / Anne Neville (University of Leeds)
<b>10:40</b>		<b>Coffee Break</b>
<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
<b>11:10</b>	O-66867	<b>The effect of flow rate on the preferential weld corrosion of X65 pipeline steel</b> Nofrizal Nofrizal (Cranfield University) / Sue. A Impey (Cranfield University) / Michael. J Robinson (Cranfield University)
<b>11:30</b>	O-57882	<b>Elucidating the evolution of sweet corrosion scale</b> 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)
<b>11:50</b>	O-50412	<b>Robust Prediction of CO<sub>2</sub> Corrosion Rate in Extraction and Production Hydrocarbon Industry</b> Seyed Mohammad Kazem Hosseini (Saipem Limited)
<b>12:10</b>	O-60087	<b>Localised corrosion of steel pipeline associated with weldments in CO<sub>2</sub> containing environments</b> Ali Abdurrahim (National Oil Corporation) / Mohamed Oubaha (Dublin Institute of Technology) / Ali Babakr (Emerson Process Mangemnet)
<b>12:30</b>		<b>Lunch</b>
<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
<b>14:00</b>	O-63777	<b>Corrosion of X65 carbon steel in sour aqueous solutions at elevated temperature</b> Morten Tjelta (Institute for Energy Technology) / Jon Kvarekvål (Institute for Energy Technology)
<b>14:20</b>	O-60577	<b>The effects of pH and temperature on the nature of corrosion product formed in 3.5 % NaCl saturated CO<sub>2</sub> corrosion of API X60 steel under turbulent flow condition</b> Ime Obot (King Fahd University of Petroleum and Minerals)
<b>14:40</b>	O-54757	<b>Wellbore corrosion integrity of high temperature high pressure gas well</b> 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) / Zhenqian Bai (CNPC Tubular Goods Research Institute) / Junfeng Xie (Tarim Oilfield Company) / Juntao Yuan (CNPC Tubular Goods Research Institute)
<b>15:00</b>	O-50477	<b>Characterization of the corrosion behaviour of cemented tungsten carbides in simulated downhole environments</b> René Kube (Baker Hughes) / Helmuth Sarmiento Klapper (Baker Hughes) / John Stevens (Baker Hughes)
<b>15:20</b>	O-50612	<b>Cold worked Ni-based alloy HASTELLOY® C-22HS® for extreme downhole conditions</b> Klaus Ohla (Haynes International AG) / Helmuth Sarmiento Klapper (Baker Hughes) / Bernd Holper (Schoeller Bleckmann Oilfield Technology) / Hendrik John (Consultant)
<b>15:40</b>		<b>Coffee Break</b>

**Wednesday 14 September 2016**

<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
<b>16:10</b>	O-51287	<b>An innovative full-scale method for investigation of HPHT gas well downhole corrosion</b> 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)
<b>16:30</b>	O-65402	<b>Kinetics of the corrosion of P-110 steel in well stimulation fluids based on disodium EDTA</b> Jorge Calderon (Universidad de Antioquia) / Ferley Vásquez (Universidad de Antioquia) / Javier Carreño (Instituto Nacional de Tecnología - INT)
<b>16:50</b>	O-57542	<b>Corrosion and asset integrity management in oil and gas production, process, transportation and storage facilities</b> 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)
<b>17:10</b>	O-67872	<b>Metabolomics: A new tool for corrosion management in the oil and gas industry</b> Vincent Bonifay (University Of Oklahoma) / Iwona B Beech (University Of Oklahoma) / Jan A Sunner (University Of Oklahoma)
<b>19:30</b>		<b>Departure for the Congress Dinner</b>

## Wednesday 14 September 2016

Louisville		Corrosion by Hot Gases and Combustion Products
Chair(s)		<i>M. Schütze</i>
9:40	O-56082	<b>Chlorine corrosion of carbon steel between 350 and 500°C</b> Ludmila Konrad (DECHEMA-Forschungsinstitut) / Mathias Galetz (Dchema Forschungsinstitut)
10:00	O-51517	<b>The effect of process gas temperature on deposit build-up and corrosion rate in a copper flash smelting heat recovery boiler</b> Juho Lehmusto (Abo Akademi University) / Daniel Stenlund (Abo Akademi University) / Mari Lindgren (Outotec Research Center) / Patrik Yrjas (Abo Akademi University)
10:20	O-58082	<b>Investigation of steel corrosion associated with the usage of secondary fuels in the cement production</b> Anja Kiesewetter (Technische Universität Dresden) / Michael Thieme (Technische Universität Dresden) / Ute Bergmann (Technische Universität Dresden) / Tobias Wehry (Opterra Karsdorf GmbH)
10:40		<b>Coffee Break</b>
Louisville		Corrosion by Hot Gases and Combustion Products
Chair(s)		<i>M. Schütze</i>
11:10	O-69025	<b>Wastage of austenitic heater tubes used in a melamine production plant: plant experience and mechanistic insight</b> 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	<b>Reaction behavior and kinetics of hexagonal SiC powder at 1100-1500°C under different atmospheres</b> 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	<b>The effect of different atmospheres on the oxidation behavior of porous Si<sub>3</sub>N<sub>4</sub> ceramics at 1200-1500 °C</b> 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	<b>High temperature oxidation behaviour of NbC-reinforced cast superalloys</b> Méllissa 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		<b>Lunch</b>
Louisville		Corrosion by Hot Gases and Combustion Products
Chair(s)		<i>M. Schütze</i>
14:00	O-59042	<b>Iron as a successful ash modifier in stationary gas turbines</b> Michel Moliere (Universite de Technologie de Belfort Montbéliard)
14:20	O-57112	<b>Oxidation behaviours at 1200°C of cast chromium-based alloys</b> Patrice Berthod (Université de Lorraine) / Elodie Conrath (Institut Jean Lamour / University of Lorraine)
14:40	O-58437	<b>Challenges with current vanadium corrosion inhibition technologies in presence of alkaline metals</b> Michel Moliere (Universite de Technologie de Belfort Montbéliard) / Pierre Montagne (GE Power)

## Wednesday 14 September 2016

<b>15:00</b>	O-52022	<p><b>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</b></p> <p>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)</p>
<b>15:40</b>		<b>Coffee Break</b>
<b>Louisville Coatings for High Temperatures</b>		
<b>Chair(s)</b> <i>M. Galetz</i>		
<b>16:10</b>	O-65767	<p><b>Metal dusting behaviour of laser clad 304L stainless steel, enriched with ruthenium</b></p> <p>Yonela A Mgwebi (University of the Witwatersrand) / Josias van der Merwe (University of the Witwatersrand)</p>
<b>16:30</b>	O-69245	<p><b>High-temperature oxidation protective Fe-44Cr-4Al coatings obtained with the method of EB-PVD</b></p> <p>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)</p>
<b>16:50</b>	O-65007	<p><b>Microstructural evolution in over-aluminized CoNiCrAlY coating during high temperature oxidation in temperature range 925°C – 1075°C</b></p> <p>Aleksandra Jalowicka (Forschungszentrum Jülich GmbH) / Dmitry Naumenko (Forschungszentrum Jülich GmbH) / Markus Ernberger (MAN Diesel &amp; Turbo SE) / Roland Herzog (MAN Diesel &amp; Turbo SE) / Willem J. Quadackers (Forschungszentrum Jülich GmbH)</p>
<b>17:10</b>	O-57347	<p><b>Influence of aluminide coatings on the mechanical properties and corrosion resistance of thin-walled sheets</b></p> <p>Johannes T. Bauer (Dechema-Forschungsinstitut) / Helen Ackermann (OWI Oel-Waerme-Institut GmbH) / Mathias C. Galetz (Dechema-Forschungsinstitut)</p>
<b>17:30</b>	O-50872	<p><b>Thermal spray coatings for low, medium and high temperature corrosion and oxidation protection.</b></p> <p>Fred van Rodijnen (Oerlikon Metco Europe GmbH)</p>
<b>19:30</b>		<b>Departure for the Congress Dinner</b>

**Wednesday 14 September 2016**

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



## Wednesday 14 September 2016

15:00	O-66802	<b>Chemical surface analyses: towards the understanding of magnesium corrosion?</b> 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	<b>Iron complexing agents as new generation of Mg corrosion inhibitors</b> 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		<b>Coffee Break</b>
<b>Sully 2</b>		<b>Corrosion and Protection of Magnesium Alloys</b>
<b>Chair(s)</b>		<b><i>S. Virtanen</i></b>
16:10	O-60887	<b>Influence of plasma electrolytic oxidation treatment on corrosion behaviour of MRI 230D and AZ91D magnesium alloys</b> Barbara Kazanski T. (Ariel University) / Alex Lugovskoy (Ariel University) / Michael Zinigrad (Ariel University)
16:30	O-65137	<b>Monitoring of the microstructures and compositions of Mg-Zn-Ca Alloys to control degradation and hydrogen evolution for biodegradable implants</b> 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	<b>Surface treatment of AZ 91 magnesium alloy for controlled degradation in biomedical applications</b> 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	<b>Controllable degradable PEO coatings for magnesium and its alloys as biomaterials</b> Carsten Blawert (Helmholtz Zentrum Geesthacht) / Xiaopeng Lu (Helmholtz Zentrum Geesthacht) / Karl Ulrich Kainer (Helmholtz Zentrum Geesthacht) / Mikhail Zheludkevich (Helmholtz Zentrum Geesthacht)
19:30		<b>Departure for the Congress Dinner</b>

## Thursday 15 September 2016

Rondelet		Inorganic Coatings
Chair(s)		<i>J. Fernandes / A. Krolikowska</i>
9:00	O-53992	<b>In-situ temperature measurement during high frequency pulse anodising of aluminium</b> 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	<b>Electrochemical behaviour of pure titanium and Ti-6Al-4V alloy in KOH through micro-arc oxidation process</b> 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	<b>Influence of atmospheric pressure plasma treatments on the oxide film and the corrosion resistance of titanium and titanium alloys</b> Luca Pezzato (University of Padua) / Manuele Dabalà ( <i>idem</i> ) / Katya Brunelli ( <i>idem</i> )
10:00	O-67622	<b>Influence of chemical composition and conversion coatings on the corrosion properties of Mg-Sn-xY (x= 0.5, 1 and 2 wt%) alloys</b> 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	<b>Improving the corrosion resistance of thermally sprayed zinc- and zinc-aluminum coatings by anodizing</b> Alexander Mertke (University of Applied Sciences South Westphalia) / Ralf Feser ( <i>idem</i> ) / Denis Proba ( <i>idem</i> )
10:40		<b>Coffee Break</b>
Rondelet		Inorganic Coatings
Chair(s)		<i>F. Andreatta / M. Fedel</i>
11:10	O-50942	<b>Weldable anticorrosion coatings for steel protection</b> Aurelie Rexach (TWI Ltd) / Sanjeev Naik (TWI Ltd) / Alan Taylor (TWI Ltd)
11:30	O-65037	<b>Galvanic corrosion investigations of TiN-steel and TiN-stainless steel couples</b> Bircak Avci (Istanbul Technical University) / Erkan Kacar ( <i>idem</i> ) / Mustafa Ürgen ( <i>idem</i> )
11:50	O-64597	<b>Corrosion protection of aluminium by ultra-thin atomic layer deposited alumina coatings</b> 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	<b>Development of innovative multi-functionalized CMC composite coating deposited on metallic substrate</b> Sheng YUAN (INSA-Lyon) / Bernard Normand ( <i>idem</i> )
12:30	O-54197	<b>Evaluation of the corrosion resistance of PVD coatings doped with silver for biomedical applications</b> 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		<b>Lunch</b>

**Thursday 15 September 2016**

Rondelet		Inorganic Coatings
<b>Chair(s)</b>		<i>F. Andreatta / M. Fedel</i>
<b>14:00</b>	O-53397	<b>Characterization of atomic layer deposited alumina coatings on AISI 316L stainless steel</b> Michele Fedel (University of Trento) / Flavio Deflorian ( <i>idem</i> ) / Stefano Rossi ( <i>idem</i> )
<b>14:20</b>	O-54282	<b>Hydrothermal treatment of Magnetron sputtered Al-Ti and Al-Zr coatings</b> 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)
<b>15:50</b>	<b>Closing Ceremony / End of EUROCORR 2016</b>	

## Thursday 15 September 2016

Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		V. Maurice
9:00	O-65482	<b>Corrosion of Al alloys during repeated dry-wet cycling tests with NaCl solutions – effect of NaCl concentration on corrosion of Al alloys</b> Makoto Chiba (National Institute of Technology, Asahikawa College) / Kanae Nagai ( <i>idem</i> ) / Minori 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	<b>Atmospheric corrosion of hot-dip galvanized steel</b> Dominique Thierry (Institut de la Corrosion Technopole de Brest Iroise) / Dan Persson (Swerea KIMAB)
9:40	O-55812	<b>Long-term study of structural metals' atmospheric corrosion in the Czech Republic</b> Katerina Kreislova (SVUOM Ltd.) / Hana Geiplova ( <i>idem</i> ) / Dusan Majtas (ITAM CE)
10:00	O-61552	<b>Influence of electrode geometry on zinc corrosion under thin electrolytes</b> Hans Simillion (Vrije Universiteit Brussels) / Nils Van den Steen ( <i>idem</i> ) / Herman Terryin ( <i>idem</i> ) / Johan Deconinck ( <i>idem</i> )
10:40		<b>Coffee Break</b>
Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		D. Thierry
11:10	O-53297	<b>Influence of soil moisture and wet/dry cycles on the corrosion rates of carbon steel in silt and clay soils</b> 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	<b>Foundation soil corrosion control of electric power transmission systems: a Geographic Information Systems (GIS) based strategy to assess and predict corrosion</b> 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	<b>Application of surface potential measurement for hydrogen permeation behavior</b> Hideki Katayama (National Institute for Materials Science) / Toshiki Katsumura (Hosei University) / Takaya Akashi ( <i>idem</i> )
12:10	O-67562	<b>Multiscales approach of hydrogen diffusion on grain-boundaries networks: statistical approach and effective medium theory</b> Jamaa Bouhattate (Universite de La Rochelle) / Bachir Osman Hoch ( <i>idem</i> ) / Arnaud Metsue ( <i>idem</i> ) / Xavier Feugas ( <i>idem</i> )
12:30	O-58197	<b>Quasi in-situ time-dependent measurement of atmospheric-induced corrosion and stress corrosion cracking on duplex stainless steel wires</b> Cem Örneç (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		<b>Lunch</b>

## Thursday 15 September 2016

Barthez		Corrosion Mechanisms, Methods and Modelling
Chair(s)		V. Vignal
14:00	O-58907	<b>The effect of hydrogen on intergranular cracking: a cross-scale study of first-principle and finite element method</b> 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	<b>Modelling 3D interaction limits of inclined stress corrosion cracking</b> James Griggs (The University of Adelaide) / Erwin Gamboa ( <i>idem</i> ) / Olivier Lavigne ( <i>idem</i> )
14:40	O-55972	<b>Numerical and experimental studies of multiple cracking induced by traction of thermally grown oxide scales</b> 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)
15:00	O-58222	<b>Ab initio Monte Carlo simulations of the acidic dissolution of stainless steels part I: principles and methods</b> Brahim Malki (SIMORG System) / Saghi Saedlou (APERAM Research Center) / Ismael Guillotte (APERAM Research Center) / Bernard Baroux (SIMAP, Grenoble INP)
15:20	O-58247	<b>Ab initio Monte Carlo simulations of the acidic dissolution of stainless steels part II: some industrial applications</b> Brahim Malki (SIMORG System) / Saghi Saedlou (APERAM Research Center) / Ismael Guillotte (APERAM Research Center) / Bernard Baroux (SIMAP, Grenoble INP)
15:50		<b>Closing Ceremony / End of EUROCORR 2016</b>

## Thursday 15 September 2016

Joffre C+D		Nuclear Corrosion
Chair(s)		<i>R. Kilian / M. Yamamoto</i>
9:00	O-56217	<b>Corrosion behavior of SUS316L in nitric acid solution containing seawater components</b> 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	<b>Corrosion modelling of iron for long term prediction in nuclear waste repository</b> Julia Agullo (CEA/Saclay) / Christian Bataillon (CEA/Saclay) / Laurent Trenty (ANDRA)
9:40	O-66737	<b>Effects of oxide film on ECP and corrosion of steel</b> 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	<b>Pitting corrosion modelling by means of a stochastic cellular automata based model</b> 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	<b>Corrosion behavior of SUS316L in nitric acid solution containing seawater components - effect of metal ions in high active liquid waste</b> 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		<b>Coffee Break</b>
Joffre C+D		Nuclear Corrosion
Chair(s)		<i>Z. Bojan / S. Trevin</i>
11:10	O-62442	<b>Influence of iron corrosion on nuclear glass alteration processes: nanoscale investigations of the iron-containing phases</b> 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	<b>Study of the galvanic corrosion behaviour of Mg and Mg alloys in a Na-geopolymer and in its synthetic pore solution</b> Blanca Estela Torres Bautista (CEA) / Julia Agullo (CEA) / Benoist Muzeau (CEA) / Christian Bataillon (CEA)
11:50	O-53942	<b>Intergranular Corrosion Simulation of Stainless Steel Considering Nitric Acid Solution Condition</b> 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)

**Thursday 15 September 2016**

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

**Thursday 15 September 2016**

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



## Thursday 15 September 2016

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

**Thursday 15 September 2016**

Barcelona		Corrosion Education
<b>Chair(s)</b>		<i>D. Zander</i>
<b>14:00</b>	O-61922	<b>Corrosion knowledge management versus corrosion management: an essential tool for assets integrity management</b> Reza Javaherdashti (PhD; Principle Advisor and Manager of Corrosion Studies Monitoring, Research Institute of Shakhes Pajouh (Future Studies)) / Farzaneh Akvan (Young Researchers and Elites Club, North Tehran Branch, Islamic Azad University & Corrosion Studies Monitoring, Research Institute of Shakhes Pajouh (Future Studies))
<b>14:20</b>	O-69990	<b>Labelling corrosion courses by CEFRACOR: A possible step towards an EFC label?</b> Jean-Claude Hourriez (CEFRACOR) / Hélène Illaire (CEFRACOR) / Pierre Ponthiaux (CEFRACOR) / Marcel Roche (CEFRACOR) / Antoine Surbled (CEFRACOR) / Dominique Thierry (Institut de la Corrosion)
<b>14:40</b>	O-50167	<b>Humor in Corrosion Science and Engineering Education</b> Alec Groyzman (Israeli Society of Chemical Engineers and Chemists c/o AEAI)
<b>15:50</b>	<b>Closing Ceremony / End of EUROCORR 2016</b>	

## Thursday 15 September 2016

Joffre 5		Microbial Corrosion
Chair(s)		R. Basseguy
9:00	O-68097	<b>What is the key factor of marine biocorrosion initiation?</b> 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> ) / Maria José De la Fuente ( <i>idem</i> )
9:20	O-55092	<b>Electrochemical study on the Microbiologically Induced Corrosion of Bronze : the effect of the microstructure</b> 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	<b>Microbiologically Induced Corrosion mechanism of copper alloy in stagnant fresh water: the case of Pseudomonas spp.</b> Giorgia Ghiara (Universita 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	<b>Microbially induced corrosion of copper in simulated anoxic groundwater</b> Leena Carpen (VTT Technical Research Centre of Finland) / Pauliina Rajala ( <i>idem</i> ) / Malin Bomberg ( <i>idem</i> )
10:20	O-52607	<b>Use of acoustic emission to characterize microbiological corrosion evolution</b> 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	<b>MIC of cast iron infrastructure</b> Robert Melchers (University of Newcastle)
11:30	O-69155	<b>Bacterial corrosion: risk assessment in a district cooling system</b> Michèle Merchat (Climespace)
11:50	O-62212	<b>Microbiologically influenced corrosion study of epoxy coated mild steel in different aqueous environments</b> Umadevi Vadamadurai Rathinavelu (TUDELFT) / Arjan Mol ( <i>idem</i> ) / Yaiza Gonzalez-Garcia ( <i>idem</i> )
12:10	O-55672	<b>Novel biocides for microbiologically influenced corrosion</b> Satoshi Wakai (Kobe University)
12:30	O-63672	<b>A study of sulfate reducing bacteria influenced corrosion of stainless steel SS316L in reclaimed water added with additives</b> Yu Qi (Beijing Jiaotong University) / Jin Li ( <i>idem</i> ) / Jiuyi Li ( <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
Joffre 5		Microbial Corrosion
Chair(s)		R. Basseguy
14:00	O-63337	<b>Efficient inhibition of sulfate-reducing biofilm formation using the biodegradable chelating agent EDDS</b> Martin Vad Bennetzen (Maersk Oil) / Steffen Sanvig Bach ( <i>idem</i> ) / Morten Poulsen (Danish Technological Institute) / Rikke Markfoged ( <i>idem</i> )
15:50		Closing Ceremony / End of EUROCORR 2016

## Thursday 15 September 2016

Joffre 4		Marine Corrosion
		<b>Chair(s)</b> <i>U. Kivisäkk / P. Refait</i>
9:00	O-55642	<b>Sea-salt deposition and wetness time in brace steel pipes observed using atmospheric corrosion monitoring sensors</b> 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	<b>Salt-induced iron corrosion under evaporating sessile droplets of aqueous sodium chloride solutions</b> Florence Lequien (CEA SCCME/LECNA)
10:40		<b>Coffee Break</b>

Joffre 4		Self-healing Coatings
		<b>Chair(s)</b> <i>M. Ferreira / N. Pébère</i>
11:10	O-67062	<b>Active corrosion protection of steel by Ce containing conversion films</b> 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	<b>Corrosion protection of carbon steel by solvent free epoxy coating containing hydrotalcites modified by different organic corrosion inhibitors</b> 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	<b>Contribution of the local electrochemical impedance technique to investigate self-healing properties of waterborne coatings on 2024 aluminium alloy</b> Nadine Pébère (CIRIMAT, UMR CNRS 5085) / Anh Son Nguyen (CIRIMAT)
12:10	O-60752	<b>On-demand release of mercaptobenzoxazole from NaX zeolite nanoparticles for corrosion inhibition of mild steel</b> 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	<b>Active corrosion protection coatings containing nanoparticles of layered double hydroxides</b> 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		<b>Lunch</b>

## Thursday 15 September 2016

Joffre 4		Self-healing Coatings
Chair(s)		<i>M. Ferreira / N. Pébère</i>
14:00	O-54042	<b>Active corrosion protection of PEO (Plasma Electrolytic Oxidation) coated AA2024 based on LDH (Layered Double Hydroxide)</b> Marta Mohedano (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) / Sergej Karpushenkov (Belarusian State University) / Mikhail Zheludkevich (Helmholtz Zentrum Geesthacht)
14:20	O-50882	<b>Self-healing and corrosion protection of composite film of mussel adhesive proteins and CeO<sub>2</sub> nanoparticles on carbon steel</b> Chengdong Chen (Xiamen University & KTH Royal Institute of Technology) / Changjian Lin (Xiamen University) / Jinshan Pan (KTH Royal Institute of Technology)
14:40	O-51037	<b>Evaluation of the active corrosion protection and self-healing properties of a silane sol-gel coating doped with Zn-Al-PO43- layered double hydroxide nanoparticles</b> 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	<b>Nano-clay as an ion exchange reservoir for corrosion inhibition</b> 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	<b>The leaching mechanisms of strontium aluminium polyphosphate in a model polyester primer on galvanized steel</b> 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)
15:50		<b>Closing Ceremony / End of EUROCORR 2016</b>

## Thursday 15 September 2016

Sully 3		Corrosion and Scale Inhibition
Chair(s)		G. Schmitt
9:00	O-59252	<b>Exploring the corrosion inhibition performance of quaternary ammonium salts</b> Monika Walczak (The University of Manchester) / Turia Belashehr ( <i>idem</i> ) / Robert Lindsay ( <i>idem</i> )
9:20	O-54797	<b>Inhibiting effects of some Schiff bases on the corrosion of bronze exposed to artificial acidic rain</b> Cecilia Monticelli (University 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) / Lorenza Marvelli ( <i>idem</i> ) / Luc Robbiola (TRACES lab (CNRS UMR5608), University of Toulouse)
9:40	O-60687	<b>Effect of ceria nanoparticles on the corrosion inhibition of pectin for X60 steel in HCl solution</b> Saviour Umoren (King Fahd University of Petroleum and Minerals)
10:00	O-69165	<b>Electrochemical, quantum chemical, Monte Carlo simulations and QSAR studies on some hydantoin derivatives as corrosion inhibitors for mild steel in 1 M HCl solution</b> Bryan P. Moloto (Department of Chemistry and Material Science Innovation & Modelling (MaSIM), 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, King Fahd University of Petroleum and Minerals) / Eno E. Ebenso (Department of Chemistry and Material Science Innovation & Modelling (MaSIM), Faculty of Agriculture, Science and Technology, North-West University)
10:20	O-62292	<b>Optimization of nigella sativa extract as a corrosion inhibitor for copper in hydrochloride acid</b> Rania Souli (UTINAM Besançon France/ COPROMET-ENIT Tunisia)
10:40	<b>Coffee Break</b>	
Sully 3		Corrosion and Scale Inhibition
Chair(s)		G. Schmitt
11:10	O-51252	<b>Biodegradable corrosion inhibitors for mild steel in salty and acidic media</b> Ismail Aiad (Egyptian Petroleum Research Institute) / Samy Shaban ( <i>idem</i> ) / Mohamed Asker ( <i>idem</i> )
11:30	O-64982	<b>Electrochemical, quantum chemical calculations, molecular dynamic simulations and QSAR studies on some quinoxaliny-pyrazolyl-methanesulfonamides as corrosion inhibitors for mild steel in acidic medium</b> Lukman Olasunkanmi (North-West University) / Eno Ebenso ( <i>idem</i> )
11:50	O-52262	<b>Corrosion inhibition and adsorption properties of Petiveria alliacea extract on brass in acid media</b> Olufemi Adeyemi (Olabisi Onabanjo University) / Omowunmi Olubomehin ( <i>idem</i> )
12:50	<b>Lunch</b>	
15:50	<b>Closing Ceremony / End of EUROCORR 2016</b>	

**Thursday 15 September 2016**

<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
<b>9:00</b>	O-53877	<b>Corrosion and pH prediction in the annulus of flexible pipes under high pressure of CO<sub>2</sub></b> 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 Vaufleury (LICB)
<b>9:20</b>	O-58107	<b>Building reliable corrosion fatigue S-N curves for wires in flexible pipes</b> Sandra Leang (Technip) / Nicolas Desamais (Technip) / Elias Remita (Technip)
<b>9:40</b>	O-66017	<b>Corrosion assessment of the 17 year old Åsgard Smørbrukk umbilical</b> Cathrine Holager (Aker Solutions AS) / Karin van Thoor (Aker Solutions AS) / Sophia Ekman (SMT Research and Development)
<b>10:00</b>	O-50422	<b>CFD simulation of erosion-corrosion in rough-bore flexible risers carrying multiphase flow</b> Seyed Mohammad Kazem Hosseini (Saipem Limited) / Seyed Mohammad Hadi Hosseini (School of Chemical Engineering, Iran University of Science and Technology)
<b>11:20</b>	O-50212	<b>Ultrasonic computerized tomography for continuous monitoring of corrosion and erosion damage in pipelines</b> Geir Instanes (ClampOn AS)
<b>10:40</b>		<b>Coffee Break</b>
<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<b><i>S. Paterson / M.E. Wilms</i></b>
<b>11:10</b>	O-52242	<b>Sacrificial anode attachment to subsea thermally insulated pipelines</b> Martin Ronceray (Wood Group Kenny Limited)
<b>11:30</b>	O-54262	<b>CO<sub>2</sub> corrosion behaviour of X65 carbon steel pipeline under flowing conditions</b> Mustafa Hashim (University Of Leeds.) / Nik Kapur (University of Leeds) / Anne Neville (University of Leeds)
<b>11:50</b>	O-51177	<b>The influence of welding parameter on Corrosion behavior weld zone of gas pipe line</b> Esmaeil Jafari (Islamic Azad University)
<b>12:10</b>	O-52067	<b>Corrosion risk management affected by design and execution decisions – a case study of pipeline thermowell insertion failure in Kuwait Oil Company</b> Prakash Samudrala (Kuwait Oil Company) / Amer Jaragh (Kuwait Oil Company) / Saleh Ali AL-Sulaiman (Kuwait Oil Company) / Mohamed Hussein Ismail (Kuwait Oil Company)
<b>12:30</b>	O-62512	<b>Remote diagnostics of underground, underwater, aboveground pipelines using controlled unmanned systems</b> 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)
<b>12:50</b>		<b>Lunch</b>

**Thursday 15 September 2016**

<b>Joffre A+B</b>		<b>Corrosion in Oil &amp; Gas Production</b>
<b>Chair(s)</b>		<i>S. Paterson / M.E. Wilms</i>
<b>14:00</b>	O-68182	<b>Internal corrosion control of multiphase sour gas pipelines by pH stabilization</b> Mehdi Askari (Pars Oil and Gas Company (POGC)) / Sahar Afroukhteh (Pars Oil and Gas Company (POGC))
<b>14:20</b>	O-67397	<b>Development of composite coatings for slotted liners in steam assisted gravity drainage systems</b> 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)
<b>14:40</b>	O-59972	<b>Effect of plastic deformation rate of the X60 welded joint on corrosion behavior</b> Nassima Benmiloud (Amar Telidji University) / Benarrache Souad (Amar Telidji University) / Hadj Aissa Benhorma (Amar Telidji University) / Mahmoud Ferhat (Amar Telidji University)
<b>15:50</b>		<b>Closing Ceremony / End of EUROCORR 2016</b>



## Thursday 15 September 2016

Louisville		Coatings for High Temperatures
Chair(s)		M. Galetz
9:00	O-58467	<b>Influence of the electroless nickel coating porosity on the gray cast iron corrosion resistance under halogen environment</b> 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	<b>Corrosion-erosion behaviour of Fe- and FeNi-based coating materials containing silicides and borides under biomass firing conditions</b> 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	<b>Effect of boron on the kinetics of ZrSiO<sub>4</sub> formation</b> 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	

## Thursday 15 September 2016

Louisville		Corrosion Issues for Renewable Energies
Chair(s)		<i>P. Marcus</i>
11:10	O-57952	<b>Corrosion mechanisms of intermetallics used as anodes in Ni-MH batteries during electrochemical cycling</b> 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	<b>Degradation of selective solar absorber surfaces in solar thermal collectors – an EIS study</b> 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	<b>Oxidations behavior of austenitic stainless steel at high temperature in thermal solar plants</b> Susana Merino Oviedo (Materials of Energy Interest Division - CIEMAT) / Gonzalo de Diego ( <i>idem</i> ) / Víctor Ruiz ( <i>idem</i> )
12:10	O-66692	<b>Stability of calcia-stabilized zirconia in fluoride molten salts under different voltage</b> 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)		<i>J. Monnier</i>
14:00	O-69255	<b>DNV GL standard harmonization – Recommended practice of corrosion protection for wind turbines</b> Lars Lichtenstein (DNV GL - Energy, Renewables Certification)
14:20	O-67987	<b>Modelling corrosion in geothermal systems</b> Marion Seiersten (Institute for Energy Technology) / Rolf Nyborg (Institute for Energy Technology)
15:50		Closing Ceremony / End of EUROCORR 2016

## Thursday 15 September 2016

Sully 2		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>J.M.C. Arjan Mol</i>
9:00	O-68615	<b>Localized corrosion resistance of dissimilar aluminium alloys joined by friction stir welding (FSW) investigated by LEIS</b> 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	<b>Investigation of the corrosion resistance of dissimilar Al-steel welds with NSS and potentiodynamic corrosion testing</b> 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-59087	<b>Electrochemical degradation behaviour of an electron beam-welded steel cast alloy in sodium chloride and in sulphuric acid solution</b> Marcel Mandel (TU Bergakademie Freiberg)
10:00	O-54142	<b>Local electrochemical current density potential measurements at laser welded seams for the application in building micro reactor compounds for aggressive chemical process media</b> Thomas Traut (DECHEMA-Forschungsinstitut) / Wolfram Fürbeth ( <i>idem</i> ) / Thomas Gietzelt (Karlsruher Institut für Technologie)
10:40		<b>Coffee Break</b>
Sully 2		Corrosion Mechanisms, Methods and Modelling
Chair(s)		<i>R. Oltra</i>
11:10	O-53972	<b>Numerical analysis of galvanic corrosion of Zn-Fe couple under thin NaCl solution layer</b> Yuichi Kamo (JFE Steel Corporation) / Yuichi Watanabe ( <i>idem</i> ) / Daisuke Mizuno ( <i>idem</i> )
11:30	O-58447	<b>Influence of concrete cracks on the corrosion of steel rebar. A finite element analysis</b> Rodrigo Montoya Lopez (VUB - Vrije Universiteit Brussel) / Johan Deconinck ( <i>idem</i> ) / Iris De Graeve ( <i>idem</i> )
11:50	O-68387	<b>Investigation of concentric ring corrosion affecting bright ferrous artefacts</b> Douglas Mills (University of Northampton) / Stephen Mabbutt ( <i>idem</i> ) / Hosam Alsubhi ( <i>idem</i> )
12:10	O-53607	<b>Modelling the effect of the stability of the corrosion products on the corrosion rate of carbon steel in anoxic conditions</b> 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	<b>Corrosion mechanisms of tin in deoxygenated acid solutions</b> Fabio Cova Caiazzo (EPFL) / Laura Brambilla (HE-Arc conservation-restoration) / Stefano Mischler (EPFL)
12:50		<b>Lunch</b>
15:50		<b>Closing Ceremony / End of EUROCORR 2016</b>