

Monday, 4 September 2017: Lectures

Congress Hall	Plenary session
8:30	EUROCORR / ICC Opening Ceremony
8:40	European Corrosion Medal Award ceremony
8:45	European Corrosion Medal lecture
9:20	EFC Honorary Fellow Award ceremony
9:30	20 th ICC anniversary
9:40	Marcel Pourbaix Award ceremony
9:45	Marcel Pourbaix Award lecture

Monday, 4 September 2017: Lectures

Forum Hall		Inorganic Coatings
	Chair(s)	<i>M. Olivier, F. Deflorian</i>
10:50	76331	<u>Zhang Wei</u> (Institute of Metal Research, Chinese Academy of Sciences, China) / Fangfang Wei (Chinese Academy of Sciences, China) / Tao Zhang (Chinese Academy of Sciences, China) / Fuhui Wang (Chinese Academy of Sciences, China): The effect of Al content and pretreatment on microstructure and corrosion resistance of Mg alloys and its PEO coatings
11:10	81806	<u>Luca Pezzato</u> (Università di Padova, Italy) / Riccardo Babbolin (Università di Padova, Italy) / Pietrogiovanni Cerchier (Università di Padova, Italy) / Paolo Dolcet (University of Padova and ICMATE-CNR, Padova, Italy) / Katya Brunelli (University of Padova, Italy) / Manuele Dabalà (University of Padova, Italy): Corrosion behaviour of PEO coated AZ91 sealed using solutions containing neodymium salt recovered from permanent magnets
11:30	87946	<u>Maria Serdechnova</u> (Helmholtz Zentrum Geesthacht, Germany) / Marta Mohedano (Univ. Complutense, Madrid, Spain) / Sergey Karpushenkov (Belarusian state university, Minsk, Belarus) / Carsten Blawert (Helmholtz Zentrum Geesthacht, Germany) / Mikhail Zheludkevich (Helmholtz Zentrum Geesthacht, Germany): PEO coatings with active protection based on in-situ formed LDH-nanocontainers
11:50	74592	<u>Stephan Lederer</u> (DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany) / Pascal Lutz (DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany) / Wolfram Fürbeth (DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany): Formation of biocompatible titanium oxide coatings on Ti-13Nb-13Zr by plasma electrolytic oxidation
12:10	86751	<u>Davide Prando</u> (Politecnico di Milano, Italy) / <u>Andrea Brenna</u> (Politecnico di Milano, Italy) / <u>Maria Vittoria Diamanti</u> (Politecnico di Milano, Italy) / <u>Marco Ormellese</u> (Politecnico di Milano, Italy) / <u>MariaPia Pedeferra</u> (Politecnico di Milano, Italy) / <u>Davide Nicolis</u> (Politecnico di Milano, Italy): Enhancement of pure titanium localized corrosion resistance by anodic oxidation
12:30		Lunch
Forum Hall		Inorganic Coatings
	Chair(s)	<i>M. Olivier, F. Deflorian</i>
13:40	87336	<u>Sachiko Ono</u> (Kogakuin University, Tokyo, Japan) / <u>Hidetaka Asoh</u> (Kogakuin University, Tokyo, Japan): Corrosion performance and microstructure of anodic film formed on aluminum after sealing in lithium hydroxide solution
14:00	73911	<u>Adrian Anthes</u> (DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany) / <u>Alex Stone</u> (DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany) / <u>Wolfram Fürbeth</u> (DECHEMA-Forschungsinstitut, Frankfurt am Main, Germany): Preparation of a spongelike halloysite-reinforced Ce-oxide layer by application of ultrasound on wrought magnesium alloy AZ31
14:20	80981	<u>Baiwei Zhu</u> (Jönköping University, Sweden) / <u>Michele Fedel</u> (University of Trento, Italy) / <u>Peter Leisner</u> (SP-Technical Research Institute of Sweden, Borås, Sweden) / <u>Flavio Deflorian</u> (University of Trento, Italy) / <u>Caterina Zanella</u> (Jönköping University, Sweden) / <u>Nils-Eric Andersson</u> (Jönköping University, Sweden): Influence of Sr modification on corrosion resistance of oxide layer of cast Al-(low)Si alloys
14:40	76871	<u>Bettina Kroiss</u> (voestalpine Stahl GmbH, Linz, Austria) / <u>Michael Voith</u> (voestalpine Stahl GmbH, Linz, Austria) / <u>Gerald Luckeneder</u> (voestalpine Stahl GmbH, Linz, Austria) / <u>Karl-Heinz Stellnberger</u> (voestalpine Stahl GmbH, Linz, Austria) / <u>Christian Paulik</u> (Johannes Kepler University, Linz, Austria): The protective effect of hydrotalcite on zinc-aluminium-magnesium alloy coated steel sheet
15:00	82266	<u>Adèle Astorg</u> (Université Pierre et Marie Curie, Paris, France) / <u>Lionel Nicole</u> (Université Pierre et Marie Curie, Paris, France) / <u>Clément Sanchez</u> (Collège de France, Paris, France) / <u>Xavier Crozes</u> (EDF R&D, Ecuellen, France) / <u>Carole Monchy-Leroy</u> (EDF R&D, Ecuellen, France): Inorganic coatings on nickel-based alloys
15:20	72327	<u>Thomas Stimpfling</u> (Rescoll, PESSAC, France) / <u>Florent Deliane</u> (Rescoll, PESSAC, France): Smart and green hybrid coating offering long-term corrosion protection in corrosive media
15:40		Coffee break
Forum Hall		Inorganic Coatings
	Chair(s)	<i>Y. Gonzalez-Garcia, J. Vogelsang</i>
16:10	91671	<u>Yu Shi</u> (Institut national de la science appliquée de Lyon, Villeurbanne, France) / <u>Sheng Yuan</u> (Institut national de la science appliquée de Lyon, Villeurbanne, France) / <u>Sabrina Marcelin</u> (Institut national de la science appliquée de Lyon, Villeurbanne, France) / <u>Benoit Ter-Ovanesian</u> (Institut national de la science appliquée de Lyon, Villeurbanne, France) / <u>Bernard Normand</u> (Institut national de la science appliquée de Lyon, Villeurbanne, France): Influence of graphene-like h-BN nanosheet content in nanocomposite coating for enhanced barrier properties
16:30	88751	<u>Erdni Batyrev</u> (Tata Steel R&D, IJmuiden, Netherlands) / <u>Arnoud de Vooy</u> (Tata Steel R&D, IJmuiden, Netherlands) / <u>Cristopher Mills</u> (Tata Steel R&D, Warwick, United Kingdom) / <u>Samson Patole</u> (Tata Steel R&D, Warwick, United Kingdom): Graphene coatings: A long term oxidation protection to Ni plated steel
16:50	97252	<u>Dilan Er</u> (Istanbul Technical University, Turkey) / <u>Golnaz Taghavi Pourian Azar</u> (Istanbul Technical University, Turkey) / <u>Mustafa Ürgen</u> (Istanbul Technical University, Turkey): The role of structural changes induced by the application of pulse bias potential on the corrosion protective properties of TiN coatings deposited with cathodic arc PVD
17:10	97985	<u>Yingwei Song</u> (Chinese Academy of Sciences, Shenyang, China) / <u>Jun Chen</u> (Chinese Academy of Sciences, Shenyang, China) / <u>Dayong Shan</u> (Chinese Academy of Sciences, Shenyang, China) / <u>En-Hou Han</u> (Chinese Academy of Sciences, Shenyang, China): In situ growth of Mg-Al hydrotalcite film on AZ31 Mg alloy
17:30	75986	<u>Katsuya Hoshino</u> (The Ohio State University, Columbus, USA) / <u>Shinichi Furuya</u> (JFE Steel Corporation, Fukuyama, Hiroshima, Japan) / <u>Rudolph G. Buchheit</u> (The Ohio State University, Columbus, USA): The effect of NO₃-intercalation on corrosion resistance of conversion coated ZnAl-CO₃ layered double hydroxide applied to electrogalvanized steel
17:50		Opening of Exhibition (Exhibition area)

Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>J. Scully</i>
10:50	83471	Jan Kollender (Johannes Kepler Universität Linz, Austria) / <u>Achim Walter Hassel</u> (Johannes Kepler Universität Linz, Austria): In-situ monitoring the dissolution and passivity of valve metals
11:10	92091	<u>Fan Zhang</u> (KTH Royal Institute of Technology, Stockholm, Sweden): Integration of electrochemical and synchrotron based x-ray techniques for in-situ investigation of aluminum anodization
11:30	94757	<u>Pauline Cornette</u> (Institut de Recherche de Chimie Paris, France) / <u>Dominique Costa</u> (Institut de Recherche de Chimie Paris, France) / <u>Philippe Marcus</u> (Institut de Recherche de Chimie Paris, France): Role of oxygen vacancies in the aluminum corrosion initiation: a first principles study
11:50	92216	<u>Lu Wang</u> (University of Science and Technology Beijing, China) / <u>Hongying Yu</u> (University of Science and Technology Beijing, China) / <u>Dongbai Sun</u> (University of Science and Technology Beijing, China): Local fine structural insight into diffusivity of anion vacancies in titanium passive film
12:10	97057	<u>Mahdi Mohajeri</u> (Texas A&M University, USA) / <u>Homero Castaneda Lopez</u> (Texas A&M University, USA) / <u>Dimitris C. Lagoudas</u> (Texas A&M University, USA) / <u>Arash Shadravan</u> (Texas A&M University, USA): Evolution of passive film behavior on mechanically polished NiTi shape memory alloy during forward martensitic transformation
12:30		Lunch
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>P. Marcus</i>
13:40	75601	<u>Aoni Xu</u> (University of Science and Technology Beijing, China) / <u>Chaofang Dong</u> (University of Science and Technology Beijing, China) / <u>Xin Wei</u> (University of Science and Technology Beijing, China) / <u>Feixiong Mao</u> (The University of California at Berkeley, USA) / <u>Xiaogang Li</u> (University of Science and Technology Beijing, China) / <u>Digby Macdonald</u> (The University of California at Berkeley, USA): The semiconducting properties of passive film on copper: electrochemical measurements and DFT calculations
14:00	77221	<u>Cigdem Toparli</u> (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany) / <u>Abdulrahman Altin</u> (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany) / <u>Andreas Erbe</u> (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf & Norwegian University of Science and Technology, Trondheim, Norway): Competitive film formation on Cu in biological test solution
14:20	84426	<u>Diego Fischer</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Ignacio Vargas</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Gonzalo Pizarro</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Magdalena Walczak</u> (Pontificia Universidad Católica de Chile, Santiago, Chile): Effect of scan rate and potential range on the diffusion limited cathodic polarization of pure copper: A numerical study
14:40	78321	<u>Koji Fushimi</u> (Hokkaido University, Sapporo, Japan) / <u>Ryogo Nakagawa</u> (Hokkaido University, Sapporo, Japan) / <u>Yuichi Kitagawa</u> (Hokkaido University, Sapporo, Japan) / <u>Takayuki Nakanishi</u> (Hokkaido University, Sapporo, Japan) / <u>Yasuchika Hasegawa</u> (Hokkaido University, Sapporo, Japan): Non-uniform distribution of passive film formed on carbon steel
15:00	81111	<u>Danny Burkle</u> (University of Leeds, United Kingdom) / <u>Richard Barker</u> (University of Leeds, United Kingdom) / <u>Anne Neville</u> (University of Leeds, United Kingdom) / <u>Rehan De Motte</u> (IFP Energies nouvelle, Lyon, France): Investigation into the kinetics and composition of the protective layer formed during 'pseudo passivation' of carbon steel: An in situ and ex situ approach
15:20	93557	<u>Nataliy Gladkikh</u> (Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Moscow, Russia) / <u>Marina Maleeva</u> (Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Moscow, Russia) / <u>Maxim Petrunin</u> (Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Moscow, Russia) / <u>Ludmila Maksaeva</u> (Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Moscow, Russia): Local dissolution of carbonaceous steel at continuous cathodic polarization
15:40		Coffee break
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>G. Frankel</i>
16:10	72057	<u>Yohan Parsa</u> (SIMAP, Saint Martin d'Herès, France) / <u>Laurence Latu-Romain</u> (SIMAP, Grenoble, France) / <u>Yves Wouters</u> (SIMAP, Grenoble, France) / <u>Maelig Ollivier</u> (SIMAP, Grenoble, France) / <u>Stéphane Mathieu</u> (Institut Jean Lamour, Nancy, France) / <u>Michel Vilasi</u> (Institut Jean Lamour, Nancy, France): Growth mechanisms of duplex n- and p-type chromia
16:30	89451	<u>Philippe Marcus</u> (Institut de Recherche de Chimie Paris, France): Surface oxide growth mechanisms on stainless alloys and entry of hydrogen studied by isotopic tracers and TOF-SIMS analysis
16:50	87626	<u>Sabrina Marcelin</u> (MATEIS - INSA Lyon, Villeurbanne, France) / <u>Nicolas Mary</u> (ElyTMax, UMI 3757: CNRS-TOHOKU, Sendai, Japan) / <u>Li Na</u> (Toyota, Japan) / <u>Bernard Normand</u> (MATEIS - INSA Lyon, Villeurbanne, France): Comparison of the electronic properties of thermally grown oxide layers and passive films for different Ni-Cr alloys
17:10	77952	<u>Chen Li</u> (China University of Petroleum, Beijing, China) / <u>Yong Xiang</u> (China University of Petroleum, Beijing, China) / <u>Zhengwei Long</u> (China University of Petroleum, Beijing, China) / <u>Zhongli Ji</u> (China University of Petroleum, Beijing, China): Investigation of the cathodic reaction mechanisms of 316L stainless steel corrosion in a mixed CO₂/sulfurous acid aqueous environment
17:30	88261	<u>Xianzong Wang</u> (University of Alberta, Edmonton, Canada) / <u>Jingli Luo</u> (University of Alberta, Edmonton, Canada): Cathode transient potentials induced corrosion of 304 stainless steel in simulated polymer electrolyte membrane fuel cell environment
17:50		Opening of Exhibition (Exhibition area)

Meeting Hall IB		50 years Nuclear Corrosion
	Chair(s)	<i>S. Ritter / D. Féron</i>
10:50	98285	<u>Damien Féron</u> (CEA, Université Paris-Saclay, Gif-sur-Yvette, France): Fifty years of nuclear corrosion: from a pioneer period to a mature industry and science
11:10	97316	<u>Ulla Ehrnstén</u> (VTT Technical Research Centre of Finland, Espoo, Finland): Environmentally assisted cracking in stainless steels in NPPs - is this still an issue?
11:30	98290	<u>Lola Gomez Briceno</u> (CIEMAT, Madrid, Spain) / <u>Francisco J. Perosanz</u> (CIEMAT, Madrid, Spain): EAC of nickel-base alloys in pressurized water reactors
11:50	98280	<u>Hans-Peter Seifert</u> (Paul Scherrer Institut, Villingen, Switzerland) / <u>Stefan Ritter</u> (Paul Scherrer Institut, Villingen, Switzerland): Environmentally-assisted cracking of carbon and low-alloy steels in light water reactors
12:10	98295	<u>Renate Kilian</u> (AREVA GmbH, Erlangen): MIC – an underestimated interactive material and environment process
12:30		Lunch
Meeting Hall IB		50 years Nuclear Corrosion
	Chair(s)	<i>S. Ritter / L. Martinelli</i>
13:40	98300	<u>Hannu Hänninen</u> (Aalto University, Espoo, Finland) / <u>Antti Forsström</u> (Aalto University, Espoo, Finland) / <u>Yuriy Yagodzinsky</u> (Aalto University, Espoo, Finland): Copper behavior in geological nuclear waste disposal
14:00	98305	<u>Cristiano Padovani</u> (Amec Foster Wheeler, Harwell, United Kingdom) / <u>Fraser King</u> (Integrity Corrosion Consulting, Nanaimo, Canada) / <u>S. Watson</u> (Amec Foster Wheeler, Harwell, United Kingdom) / <u>C. Harris</u> (Amec Foster Wheeler, Harwell, United Kingdom) / <u>K. Christie</u> (Amec Foster Wheeler, Harwell, United Kingdom) / <u>A. Cook</u> (Amec Foster Wheeler, Harwell, United Kingdom) / <u>A. J. Davenport</u> (Amec Foster Wheeler, Harwell, United Kingdom): Modelling the corrosion of radioactive waste containers during prolonged exposure to atmospheric conditions
14:20	98310	<u>Stéphane Trevin</u> (EdF, Grenoble, France): FAC in PWR secondary circuits
14:40	98315	<u>Michael Preuss</u> (University of Manchester, United Kingdom): The role of Sn on corrosion mechanisms in Zr alloys
15:00	98320	<u>Raphael Robin</u> (CEA, Gif sur Yvette, France) / <u>Pierre Fauvet</u> (CEA, Gif sur Yvette, France) / <u>B. Gwinner</u> (CEA, Gif sur Yvette, France) / <u>Alexis Fallet</u> (CEA, Gif sur Yvette, France) / <u>N. Gruet</u> (CEA, Gif sur Yvette, France) / <u>P. Laghoutaris</u> (CEA, Gif sur Yvette, France) / <u>B. Puga</u> (CEA, Gif sur Yvette, France): Corrosion issues for the spent nuclear fuel reprocessing in France
15:20	96787	<u>Radek Novotny</u> (European Commission Joint Research Centre, Petten, Netherlands): Material research for supercritical water-cooled reactors – Summary and open issues
15:40		Coffee break
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>J. Macak / M. Preuss</i>
16:10	93301	Keynote lecture. <u>Gary Was</u> (University of Michigan, Ann Arbor, USA) / <u>Peng Wang</u> (University of Michigan, Ann Arbor, USA): Irradiation accelerated corrosion in zirconium and candidate ATF alloys
16:50	85291	<u>Marc Tupin</u> (CEA, Saclay, France) / <u>Romain Verlet</u> (EDF R&D Les Renardières, Moret sur Loing, France): Understanding of corrosion mechanisms of zirconium alloys under irradiation: effect of ion irradiation on the corrosion rate of Zircaloy-4
17:10	76541	<u>Lukáš Tůma</u> (UCT Prague, Czech Republic) / <u>Aneta Krausová</u> (UCT Prague, Czech Republic) / <u>Michal Novák</u> (UCT Prague, Czech Republic) / <u>Jan Macák</u> (UCT Prague, Czech Republic) / <u>Petr Sajdl</u> (UCT Prague, Czech Republic) / <u>Stanislav Cihon</u> (Academy of Sciences of the Czech Republic, Prague, Czech Republic) / <u>Vladimír Cháb</u> (Academy of Sciences of the Czech Republic, Prague, Czech Republic): Corrosion characterization of silicon based film sputtered on zirconium
17:50		Opening of Exhibition (Exhibition area)

Meeting Hall IA		Corrosion and Scale Inhibition
	Chair(s)	<i>G. Schmitt / W. Hater</i>
10:50	74342	<u>Argyro Spinthaki</u> (University of Crete, Voutes, Heraklion, Greece) / <u>Konstantinos Demadis</u> (University of Crete, Heraklion, Greece) / <u>Wolfgang Hater</u> (Kurita, Ludwigshafen) / <u>Juergen Matheis</u> (Kurita, Ludwigshafen): Formation and Inhibition of aluminum silicate: Relevance to geothermal systems
11:10	76356	<u>Yu Peng</u> (Deakin University, Melbourne, Australia) / <u>Tony Hughes</u> (CSIRO Manufacturing, Clayton, Melbourne, Australia) / <u>Glen Deacon</u> (Monash University, Melbourne, Australia) / <u>Bruce Hinton</u> (Deakin University, Melbourne, Australia) / <u>Maria Forsyth</u> (Deakin University, Melbourne, Australia) / <u>James Mardel</u> (CSIRO Manufacturing, Clayton, Melbourne, Australia) / <u>Anthony Somers</u> (Deakin University, Melbourne, Australia): Corrosion inhibition of mild steel by novel rare earth carboxylate compounds
11:30	74577	<u>Kostas Demadis</u> (University of Crete, Heraklion, Greece) / <u>Argyri Moschona</u> (University of Crete, Heraklion, Greece): Metal-organic complex coatings for corrosion inhibition
11:50	73176	<u>Gilad Kol</u> (MSA, Lehavot Habashan, Israel) / <u>Alec Groysman</u> (Israeli Society of Chemical Engineers & Chemists, Tel Aviv, Israel): Water chemistry for copper water-cooling systems

12:10	91366	Ivan Zin (National Academy of Sciences of Ukraine, Lviv, Ukraine) / Vasyi Pokhmurskii (National Academy of Sciences of Ukraine, Lviv, Ukraine) / Sergiy Korniy (National Academy of Sciences of Ukraine, Lviv, Ukraine) / Olena Karpenko (National Academy of Science of Ukraine, Lviv, Ukraine) / <u>Hanna Pokhmurska</u> (Chemnitz University of Technology, Chemnitz) / Mariana Tymus (National Academy of Sciences of Ukraine, Lviv, Ukraine) / Olha Khlopyk (National Academy of Sciences of Ukraine, Lviv, Ukraine): Corrosion inhibition of aluminium alloy by eco-friendly biosurfactants
12:30		Lunch
Meeting Hall IA		Corrosion and Scale Inhibition
	Chair(s)	<i>G. Schmitt / W. Hater</i>
13:40	87411	<u>Oluwatoyin Olaseinde</u> (Federal University of technology Akure, ONDO-STATE, Nigeria): Effects of varying inhibitors of carica papaya (pawpaw), azadirachta indica (dogoyaro), and solanum lycopersicum (tomato) leaves extract as inhibitor on the corrosion behaviour of (316, 2101, 2205) stainless steel in 0.5M sulphuric acid
14:00	92611	<u>Ioannis Kartsonakis</u> (National Technical University of Athens, Zografos, Greece) / Dimitris Dragatogiannis (National Technical University of Athens, Zografos, Greece) / Elias Koumoulos (National Technical University of Athens, Zografos, Greece) / Costas Charitidis (National Technical University of Athens, Zografos, Greece): Improvement of corrosion behaviour of dissimilar friction stir welded aluminium alloys reinforced with nanoadditives
14:20	88991	<u>Douglas Guedes</u> (Federal University of Rio de Janeiro, Brazil) / <u>Gabriel Martins</u> (Federal University of Rio de Janeiro, Brazil) / <u>Daniela Alviano</u> (Federal University of Rio de Janeiro, Brazil) / <u>Marcia Lutterbach</u> (National Institute of Technology, Rio de Janeiro, Brazil) / <u>Eliana Sérvulo</u> (Federal University of Rio de Janeiro, Brazil) / <u>Leila Reznik</u> (Federal University of Rio de Janeiro, Brazil): Application of coconut tannin as corrosion inhibitor for carbon steel AISI 1020 in neutral medium
14:40	80661	<u>Michael Dowhyj</u> (The University of Manchester, United Kingdom) / <u>Robert Lindsay</u> (The University of Manchester, United Kingdom): Exploring inhibited interfaces using vibrational sum-frequency spectroscopy
15:00	75696	<u>Hu Wang</u> (Southwest Petroleum University, Chendu, China) / <u>Juan Xie</u> (Southwest Petroleum University, Chengdu, China): Synergistic mechanism of corrosion inhibitors on copper surface using dual polarization interferometry
15:20	74612	<u>Kostas Demadis</u> (University of Crete, Heraklion, Greece) / <u>Argyro Spinthaki</u> (University of Crete, Heraklion, Greece) / <u>Juergen Matheis</u> (Kurita Europe GmbH, Ludwigshafen) / <u>Wolfgang Hater</u> (Kurita Europe GmbH, Ludwigshafen): Mitigation of metal sulfide precipitation and scaling: The effect of chemical additives
15:40		Coffee break
Meeting Hall IA		Corrosion and Scale Inhibition
	Chair(s)	<i>G. Schmitt / W. Hater</i>
16:10	72971	<u>Behzad Bavarian</u> (CSUN-MSEM, Northridge, USA) / <u>Lisa Reiner</u> (CSUN-MSEM, Northridge, USA) / <u>Boris Miksic</u> (Cortec Corporation, St. Paul, USA) / <u>James Holden</u> (Cortec Corporation, St. Paul, USA): Amine base vapor phase corrosion inhibitor alternatives to hydrazine for steam generating system and power plants
16:30	73191	<u>Wolfgang Hater</u> (Kurita Europe GmbH, Ludwigshafen, Germany) / <u>Yvonne Neue</u> (Kurita Europe GmbH, Ludwigshafen, Germany) / <u>Juergen Matheis</u> (Kurita Europe GmbH, Ludwigshafen, Germany): The inhibition of lead sulfide scale in geothermal plants
16:50	94517	<u>Eléa Vernack</u> (CNRS – Chimie ParisTech, France) / <u>Dominique Costa</u> (CNRS – Chimie ParisTech, France) / <u>Antoine Seyeux</u> (CNRS – Chimie ParisTech, France) / <u>Sandrine Zanna</u> (CNRS – Chimie ParisTech, France) / <u>Philippe Tingaut</u> (SOCOMORE, Vannes, France) / <u>Philippe Marcus</u> (CNRS – Chimie ParisTech, Paris, France): Theoretical and experimental studies of corrosion inhibitors of aluminum alloys
17:10	99535	<u>Fargad Al-Hadeethi</u> (Royal Scientific Society, Amman, Jordan) / <u>Akl Awwad</u> (Royal Scientific Society, Amman, Jordan) / <u>Amani Abdelhadi</u> (Royal Scientific Society, Amman, Jordan): Nano green corrosion inhibitor
17:30	97436	<u>Milan Bartos</u> (Stepan Oilfield Solution, Houston, USA) / <u>Jan Macák</u> (UCT Prague, Czech Republic): Relationship between Inhibition efficiency of oilfield corrosion inhibitors and corrosion potential profile – A preliminary study
17:50		Opening of Exhibition (Exhibition area)

Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>M. Wilms / A. Groysman</i>
10:50	79591	<u>Franz Winter</u> (voestalpine Grobblech GmbH, Linz, Austria) / <u>Rupert Egger</u> (voestalpine Grobblech, Linz, Austria): Alloy 624 - Development of an austenitic CRA for use in clad plates
11:10	82886	<u>Jerre Halma</u> (Shell, Assen, Netherlands) / <u>Xiaolong Zhang</u> (Endures, Den Helder, Netherlands) / <u>Nanni Noel</u> (Endures, Den Helder, Netherlands) / <u>Marc Wilms</u> (Shell, Amsterdam, Netherlands): Assessment of the combined oxygen and microbiologically induced corrosion rate at weld defects on a carbon steel backing pipe with an Alloy 625 cladding
11:30	92561	<u>Franz Winter</u> (voestalpine Grobblech GmbH, Linz, Austria) / <u>Rupert Egger</u> (voestalpine Grobblech, Linz, Austria): Influencing the carbon distribution in the bonding area of hot rolled clad plates
11:50	84051	<u>Masayuki Sagara</u> (Nippon Steel & Sumitomo Metal Amagasaki Research and Development Center, Amgasaki, Japan) / <u>Yuhei Suzuki</u> (Nippon Steel & Sumitomo Metal Amagasaki Works, Amagasaki, Japan) / <u>Masaki Ueyama</u> (Nippon Steel & Sumitomo Metal Amagasaki Works, Amagasaki, Japan) / <u>Yusaku Tomio</u> (Nippon Steel & Sumitomo Metal Amagasaki Research and Development Center, Amagasaki, Japan) / <u>Hisashi Amaya</u> (Nippon Steel & Sumitomo Metal Wakayama Works, Wakayama, Japan): Development of austenitic nickel alloy with superior pitting resistance for sour environment

12:10	91261	Bambang Widyanto (Institute of Technology Bandung, Indonesia) / Muhamad Wahyunda Wahyunda (Institute of Technology Bandung, Indonesia) / Rochim Suratman (Institute of Technology Bandung, Indonesia): Study of temperature and chloride concentration effect on pitting corrosion of AISI 316L with immersion method
12:30		Lunch
Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>M. Wilms / A. Groysman</i>
13:40	86871	Ulf Kivisakk (AB Sandvik Materials Technology, Sandviken, Sweden) / Sophia Ekman (AB Sandvik Materials Technology, Sandviken, Sweden) / Joeseфин Eidhagen (AB Sandvik Materials Technology, Sandviken, Sweden): Crevice corrosion testing of duplex stainless steels in tropical seawater
14:00	73211	Nicolas Larché (Institut de la Corrosion, Brest, France) / Perry Ian Nice (Statoil, Stavanger, Norway) / Claas Hendrik Van Der Zwaag (Statoil, Stavanger, Norway) / Thomas Nesse (Statoil, Stavanger, Norway) / Lucrezia Scoppio (Pipe Team, Roma, Italy) / Hisashi Amaya (Nippon Steel & Sumitomo Metal Corp., Wakayama, Japan) / Yuya Matsuda (Nippon Steel & Sumitomo Metal Corp., Wakayama, Japan) / Matteo Fiocchi (S&L Consulting SA, Villars-sur-Glane, Switzerland) / Dominique Thierry (Institut de la Corrosion, Brest, France): Further assessment of the corrosion risk of duplex stainless steel UNS S82551 in treated seawater injection service
14:20	83236	Charles David (APERAM Stainless France, Isbergues, France) / Fiona Ruel (APERAM Stainless France, Isbergues, France) / Florent Krajcarz (APERAM Stainless France, Isbergues, France) / Saghi Saedlou (APERAM Stainless France, Isbergues, France) / Ricardo Nogueira (The Petroleum Institute, Abu Dhabi, United Arab Emirates): Influence of the galvanic coupling between the two phases of duplex stainless steel on the environment assisted cracking resistance
14:40	80581	Martin Monnot (SIMaP Grenoble Université Alpes, Saint Martin d'Hères, France) / Virginie ROCHE (LEPMI Grenoble Université Alpes, St Martin d'Hères, France) / Rafael ESTEVEZ (SIMAP Grenoble Université Alpes, St Martin d'Hères, France) / Ricardo NOGUEIRA (The Petroleum Institute, Abu Dhabi, United Arab Emirates) / Marc MANTEL (SIMAP Grenoble Université Alpes, St Martin d'Hères, France): Stress corrosion susceptibility of super martensitic stainless steels for oil & gas industry: influence of microstructure and Mo additions
15:00	92751	Carlo Malara (Foroni S.p.A., Gorla Minore VA, Italy) / Luca Foroni (Foroni SpA, Gorla Minore, Italy) / Louis Lherbier (Lherbier Consulting, Pittsburgh, PA, USA): Crevice and stress corrosion resistance of AF932N (UNS S31010) high nitrogen stainless steel
15:20	99670	Melissa Keogh (The University of Manchester, United Kingdom) / Robert Akid (The University of Manchester, United Kingdom) / Dirk Engelberg (The University of Manchester, United Kingdom) / Tony Cook (The University of Manchester, United Kingdom): Localised corrosion of Ni-base superalloys in seawater
15:40		Coffee break
Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>P. Paterson / A. Groysman</i>
16:10	96387	Virginie Querez (Institut de la Corrosion, Fraisses, France) / Christophe Liotard (Institut de la Corrosion, Fraisses, France) / Claude Duret-Thual (Institut de la Corrosion, Fraisses, France) / Li Ke (TechnipFMC, Le Trait, France) / Carol Taravel-Condât (TechnipFMC, Le Trait, France): Measurements of H₂S consumption in the annulus of unbonded flexible pipelines
16:30	79871	Leandro Santos (Technip, Rio de Janeiro, Brazil) / Dayanne Menezes (Technip, Rio de Janeiro, Brazil) / Li Ke (Technip, Le Trait, France) / Carol Taravel-Condât (Technip, Le Trait, France) / Jean Kittel (IFPen, Solaize, France): Prediction of the flexible pipe annulus pH at high CO₂ content and high temperature
16:50	97172	Arne Dugstad (IFE, Kjeller, Norway) / Simona Palencsar (IFE, Kjeller, Norway): Corrosion testing of carbon steel-determination of H₂S partial pressure from dissolved concentration of corrosion products
17:10	95802	Dian Adisty (DNV GL, Oslo, Norway) / Birger Etterdal (DNV GL, Oslo, Norway) / Afzal Hussain (DNV GL, Oslo, Norway): Getting more out of in-line inspection data
17:30	81981	Mohammed Alkhateeb (University of Leeds, United Kingdom) / Richard Barker (University of Leeds, United Kingdom) / Anne Neville (University of Leeds, United Kingdom) / Harvey Thompson (University of Leeds, United Kingdom): The influence of carbon steel surface roughness on mass transfer and corrosion kinetics in CO₂-containing environments
17:50		Opening of Exhibition (Exhibition area)

Club C		Tribocorrosion
	Chair(s)	<i>S. Mischler / J. A. Calderon</i>
10:50	76996	Nuria Espallargas (NTNU, Trondheim, Norway) / Szymon Bernat (NTNU, Trondheim, Norway) / Christian Mathis (ETH, Zurich, Switzerland) / Nicholas Spencer (ETH, Zurich, Switzerland): Tribocorrosion from nano to macroscale – the effect of proteins on friction of CoCrMo biomedical alloy
11:10	73346	Xiaolu Pang (University of Science and Technology Beijing, Beijing, China) / Jie Meng (University of Science and Technology Beijing, Beijing, China) / Ziyuan Gao (University of Science and Technology Beijing, Beijing, China) / Kewei Gao (University of Science and Technology Beijing, Beijing, China): Tribo-corrosion and albumin attachment of nitrogen ion-implanted CoCrMo alloy during friction onset
11:30	89596	Daniel Janssen (University of Duisburg-Essen, Duisburg, Germany) / Stefanie Hanke (University of Duisburg-Essen, Duisburg, Germany) / Markus Wimmer (Rush University Medical Center, Chicago, IL, USA) / Alfons Fischer (University of Duisburg-Essen, Duisburg, Germany): The influence of Mo on the fretting corrosion behaviour of CoCr-alloys vs. TiAl6V4

11:50	94452	Shoufan Cao (EPFL, Lausanne, Switzerland) / Anna Igual Munoz (EPFL, Lausanne, Switzerland) / Stefano Mischler (EPFL, Lausanne, Switzerland): In vivo wear prediction of metal-on-metal artificial hip joints based on a tribocorrosion model
12:10	82676	Fernando García Sala Bonmatí (UPV, Valencia, Spain) / Alejandro Durá Alvarez (UPV, Valencia, Spain) / Javier Navarro Laboulais (UPV, Valencia, Spain) / Anna Igual Muñoz (UPV, Valencia, Spain): Study of the tribocorrosion behaviour of a titanium biomedical alloy for dental applications in metal-metal and metal-ceramic contacts
12:30		Lunch
Club C		Tribocorrosion
	Chair(s)	J. Geringer
13:40	85681	Vladimir Pejakovic (AC2T research GmbH, Wiener Neustadt, Austria) / Vladimir Totolin (AC2T research GmbH, Wiener Neustadt, Austria) / Manel Rodriguez Ripoll (AC2T research GmbH, Wiener Neustadt, Austria): Impact of small contact loads on the tribocorrosion behaviour of Ti6Al4V
14:00	96297	Antonino Mazzonello (University of Malta, Msida) / Peter A. Dearnley (Boride Services Ltd., Leeds, United Kingdom) / Raisa Chetcuti (University of Malta, Msida) / Andreas Karl (Bodycote Specialist Technologies GmbH, Landsberg) / Joseph P. Buhagiar (University of Malta, Msida) / Bertram Mallia (University of Malta, Msida): Tribocorrosion enhancement of biomedical 316LVM stainless steel using a duplex surface treatment
14:20	91786	Diana Lopez (Universidad Nacional de Colombia, Medellín, Colombia) / Anna Igual-Munoz (Universitat Politècnica de València, Spain) / Stefano Mischler (EPFL, Lausanne, Switzerland): Tribocorrosion response of an aluminum matrix nanocomposite obtained through friction stir processing
14:40	77662	Oladeji Ige (University of Johannesburg, South Africa) / Samuel R. Oke (University of Johannesburg, South Africa) / Sunday Aribio (University of Johannesburg, South Africa) / Kunle Oluwasegun (Obafemi Awolowo University, Ile-Ife, Nigeria) / John Olawale (Obafemi Awolowo University, Ile-Ife, Nigeria) / E Igbafen (Federal University of Technology, Akure, Nigeria) / A Ogunbadejo (Federal University of Technology, Akure, Nigeria) / Peter Olubambi (University of Johannesburg, South Africa): Corrosion, erosion and erosion-corrosion characteristics of spark plasma sintered DSS 2205 - TiN in 3.5% NaCl
15:00	73637	Qunchang Wang (Northeastern University, Shenyang, China) / Minghui Chen (Northeastern University, Shenyang, China) / Fuhui Wang (Northeastern University, Shenyang, China): Study on the corrosion properties and wear behavior of Cu/WS2 composites fabricated by spark plasma sintering
15:20	87531	Amin Hossein Zavieh (Norwegian University of Science and Technology, Trondheim, Norway) / Nuria Espallargas (Norwegian University of Science and Technology, Trondheim, Norway): Effect of alloying elements and fatty acid on tribocorrosion of stainless steel in water based hydraulic fluids
15:40		Coffee break
Club C		Tribocorrosion
	Chair(s)	A. Igual
16:10	79291	Ainara Lopez-Ortega (IK4-TEKNIKER, Eibar, Spain) / Raquel Bayon (IK4-TEKNIKER, Eibar, Spain) / Jose Luis Arana (University of the Basque Country, Bilbao, Spain) / Amaya Igartua (IK4-TEKNIKER, Eibar, Spain): Influence of agitation and rotation speed on the tribocorrosion behaviour of a HSLA steel in seawater environment
16:30	87816	Leili Batooli (EPFL, Lausanne, Switzerland) / Stefano Mischler (EPFL, Lausanne, Switzerland): Tribocorrosion impacts on surface finish of 18 karat gold alloy
16:50	76956	Nuria Espallargas (NTNU, Trondheim, Norway) / Jorge Sanchez-Adam (NTNU, Trondheim, Norway) / Bruno Rodriguez (NTNU, Trondheim, Norway) / Cristian Torres (NTNU, Trondheim, Norway): Tribocorrosion of different types of diamond like carbon (DLC) coatings in different media
17:10		WP18 Meeting
17:50		Opening of Exhibition (Exhibition area)

Club B		Corrosion by Hot Gases
	Chair(s)	M. Galetz
10:50	80706	Yohanes Chekol Malede (Technical University of Denmark, Lyngby, Denmark) / Melanie Montgomery (Technical University of Denmark, Lyngby, Denmark) / Kristian Vinter Dahl (Technical University of Denmark, Lyngby, Denmark) / John Hald (Technical University of Denmark, Lyngby, Denmark): Effect of ageing on KCl corrosion attack of AISI 347H steel
11:10	93512	Shigenari Hayashi (Hokkaido University, Sapporo, Japan) / Mohammad Emami (Tokyo Institute of Technology, Japan) / Takashi Kogin (Dai-ichi High Frequency Co., Ltd., Kawasaki, Japan) / Manabu Noguchi (Ebara Environmental Plant Co., Ltd., Tokyo, Japan): Erosion-corrosion behavior of alloys in chlorine containing atmospheres
11:30	94562	Andrea Antognozzi (Università degli studi di Milano, Italy) / Enrico Volpi (Università degli studi di Milano, Italy) / Stefano Trasatti (Università degli studi di Milano, Italy): Kiln corrosion issues arisen from the use of alternative fuels
11:50	75272	Patrice Berthod (University of Lorraine, Vandoeuvre-lès-Nancy, France) / Thierry Schweitzer (University of Lorraine, Vandoeuvre-lès-Nancy, France) / Lionel Aranda (University of Lorraine, Vandoeuvre-lès-Nancy, France) / Christophe Rapin (University of Lorraine, Vandoeuvre-lès-Nancy, France) / Didier Souchon (Veolia Environnement Recherche et Innovation, Limay, France) / Farès Maad (Veolia Environnement Recherche et Innovation, Limay, France) / Jean-Michel Brossard (Veolia Environnement Recherche et Innovation, Limay, France): Degradation at 550 °C of cast chromium-rich cobalt-based alloys exposed to a H₂O-O₂-CO₂-HCl gaseous mixture

12:10	79016	Alexander Schmid (Montanistic University Leoben, Austria) / Gregor Mori (Montanistic University Leoben, Austria) / Roland Haubner (Technical University Vienna, Austria) / Susanne Strobl (Technical University Vienna, Austria) / Stefan Hönig (OMV E&P GmbH, Gänserndorf, Austria): Corrosion of various Fe and Ni based alloys in HCl, H₂S containing environments with low oxygen partial pressures at 680 °C
12:30		Lunch
Club B		Corrosion by Hot Gases
	Chair(s)	<i>M. Galetz</i>
13:40	82366	Kaiyang Li (University of Alberta, Edmonton, Canada) / Yimin Zeng (Canmet MATERIALS, Natural Resources Canada, Hamilton, Canada) / Jingli Luo (University of Alberta, Edmonton, Canada): Corrosion investigation and materials selection for cost-effective construction of flue gas systems in advanced pressurized oxy-fuel combustion power plant
14:00	73066	Jianqiang Zhang (University of New South Wales, Sydney, Australia) / David Young (University of New South Wales, Sydney, Australia) / Thuan Dinh Nguyen (University of New South Wales, Sydney, Australia): Alloy design for resistance to hot CO₂ gas corrosion
14:20	93242	Changheui Jang (Korea Advanced Institute of Science and Technology, Daejeon, Korea, South) / Sung Hwan Kim (Korea Advanced Institute of Science and Technology, Daejeon, Korea, South) / Ho Jung Lee (Korea Advanced Institute of Science and Technology, Daejeon, Korea, South) / Chaewon Kim (Korea Advanced Institute of Science and Technology, Daejeon, Korea, South): Effect of tensile stress on corrosion and carburization behavior of Ni-base alloy in high temperature supercritical-CO₂ environment
14:40	97101	Marie Blahetova (VSB - Technical University of Ostrava, Czech Republic) / Stanislav Bartusek (VSB - Technical University of Ostrava, Czech Republic) / <u>Stanislav Lasek</u> (VSB - Technical University of Ostrava, Czech Republic): Degradation of cast-iron segments of the boiler - corrosion
15:00	96897	Tommy Sand (Chalmers University of Technology, Gothenburg, Sweden) / Christine Geers (Chalmers University of Technology, Gothenburg, Sweden) / Jan-Erik Svensson (Chalmers University of Technology, Gothenburg, Sweden) / Lars-Gunnar Johansson (Chalmers University of Technology, Gothenburg, Sweden) / Lisa Kylhammar (PowerCell AB, Gothenburg, Sweden) / Thomas Helander (Sandvik Heating Technology AB, Hallstahammar, Sweden) / Bo Jönsson (Sandvik Heating Technology AB, Hallstahammar, Sweden): The influence of H₂O on high temperature corrosion of selected Cr₂O₃- and Al₂O₃-forming alloys
15:20	91031	Alexander Stenzel (Dechema-Forschungsinstitut, Frankfurt am Main, Germany) / Diana Fähsing (Dechema-Forschungsinstitut, Frankfurt am Main, Germany) / Mathias Galetz (Dechema-Forschungsinstitut, Frankfurt am Main, Germany) / Michael Schütze (Dechema-Forschungsinstitut, Frankfurt am Main, Germany): Resistance of manganese oxide, chromium oxide and manganese chromium spinel in high temperature water vapour environments
15:40		Coffee break
Club B		Corrosion by Hot Gases
	Chair(s)	<i>M. Galetz</i>
16:10	85636	Sanni Yli-Olli (VTT Technical research centre of Finland Ltd, Espoo, Finland) / Satu Tuurna (VTT Technical Research Centre of Finland LTD, Tampere, Finland) / Peter Brziak (Welding Research Institute – Industrial Institute SR, Bratislava, Slovakia) / Jouni Mahanen (Amec Foster Wheeler Oyj, Varkaus, Finland) / <u>Elisa Isotahdon</u> (VTT Technical Research Centre of Finland Ltd, Tampere, Finland): High temperature corrosion of gradient tubes for high temperature application
16:30	97925	<u>Michael Spiegel</u> (Salzgitter Mannesmann Forschung GmbH, Duisburg, Germany) / Patrik Schraven (Salzgitter Mannesmann Stainless Tubes, Mülheim a.d. Ruhr, Germany): Microstructural aspects on the corrosion of steels in simulated char combustion atmospheres
16:50	79746	Kathrin Nuetzmann (Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany) / Axel Kranzmann (Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany) / <u>Christiane Stephan-Scherb</u> (Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany): Real time investigation of high temperature corrosion of ferritic alloys in SO₂ gas
17:10	71666	<u>Juho Lehmusto</u> (Abo Akademi University, Turku, Finland) / Mari Lindgren (Outotec Research Center, Pori, Finland): The effect of process gas temperature on the catalytic SO₂-to-SO₃ conversion
17:30	81446	<u>Dagmar Rückle</u> (Universität Stuttgart, Germany) / Stefanie Kaesche (Universität Stuttgart, Germany) / Burkhard Heine (Hochschule Aalen, Germany) / Sannakaisa Virtanen (Friedrich-Alexander-Universität Erlangen - Nürnberg, Erlangen, Germany) / Harald Garrecht (Universität Stuttgart, Germany): Oxidation behaviour of different steels in nitrate molten salt at high temperature for solar thermal power plants
17:50		Opening of Exhibition (Exhibition area)

Terrace 2		Corrosion Control in Aerospace
	Chair(s)	<i>T. Hack</i>
10:50	94667	Keynote lecture. <u>John de Kok</u> (Fokker Aerostructures, Papendrecht, Netherlands) / Virgile-Vivien Lecam (Fokker Aerostructures, Papendrecht, Netherlands) / Yulia Meteleva (Fokker Aerostructures, Papendrecht, Netherlands) / Vincent van den Heuvel (Fokker Aerostructures, Papendrecht, Netherlands) / Arnold Langeveld (Fokker Aerostructures, Papendrecht, Netherlands): Effects of anodizing voltage on the corrosion resistance of aluminium alloys
11:30	81011	<u>Yulia Meteleva</u> (Fokker Aerostructures B.V., Papendrecht, Netherlands) / <u>John De Kok</u> (Fokker Aerostructures B.V., Papendrecht, Netherlands) / <u>Arnold Langeveld</u> (Fokker Aerostructures B.V., Papendrecht, Netherlands) / <u>Virgile-Vivien Lecam</u> (Fokker Aerostructures B.V., Papendrecht, Netherlands): Development of galvanic processes for use in aerospace applications

11:50	92326	Norica Godja (CEST Centre of Electrochemical Surface Technology, Wiener Neustadt, Austria) / Christine Löcker (CEST Centre of Electrochemical Surface Technology, Wiener Neustadt, Austria) / Tünde Vanka (CEST Centre of Electrochemical Surface Technology, Wiener Neustadt, Austria) / Andreas Schindel (CEST Centre of Electrochemical Surface Technology, Wiener Neustadt, Austria) / Christoph Kleber (CEST Centre of Electrochemical Surface Technology, Wiener Neustadt, Austria): Novel chromate free sealing procedure for the corrosion protection of aluminium alloys
12:10	77842	Iris De Graeve (Vrije Universiteit Brussel VUB, Belgium) / Donovan Verkens (Vrije Universiteit Brussel VUB, Belgium) / Reynier Revilla (Vrije Universiteit Brussel VUB, Belgium): Study on the anodizing of additive manufactured AlSi10Mg aluminium alloys
12:30		Lunch
Terrace 2		Corrosion Control in Aerospace
	Chair(s)	Anodizing T. Hack
13:40	80326	Shoshan Abrahami (Delft University of Technology, Netherlands) / Y.V. Meteleva (Fokker Aerostructures, Papendrecht, Netherlands) / J.M.M. de Kok (Fokker Aerostructures, Papendrecht, Netherlands) / H. Terryn (Vrije Universiteit Brussel, Belgium) / J.M.C. Mol (Delft University of Technology, Netherlands): Effects of post-treatment of anodic aluminium oxides on adhesive bonding strength and durability
14:00	72407	Hellen Costenaro (University of São Paulo, Brazil) / Hercílio Gomes de Melo (University of São Paulo, Brazil) / Marie-Georges Olivier (University of Mons, Belgium): Ageing effect of TEOS-GPTMS hybrid sol-gel on the corrosion protection of aluminum alloy AA2524 anodized in tartaric-sulfuric acid (TSA)
14:20	97756	Beatriz Rico Oller (Airbus Group Innovations, München, Germany) / Theo Hack (Airbus Group Innovations, Munich, Germany) / Max Kolb (Airbus Group Innovations, Munich, Germany) / Jürgen Wehr (Airbus Group Innovations, Munich, Germany) / Mikhail Zheludkevich (Helmholtz-Zentrum Geesthacht, Germany): Electrochemical characterization of titanium oxide layers after aging under hot/wet conditions
14:40	73682	Sergey Gnedenkov (Russian Academy of Sciences, Vladivostok, Russia) / Sergey Sinebryukhov (Russian Academy of Sciences, Vladivostok, Russia) / Dmitry Mashtalyar (Russian Academy of Sciences, Vladivostok, Russia) / Igor Imshinetskiy (Russian Academy of Sciences, Vladivostok, Russia) / Konstantine Nadaraia (Russian Academy of Sciences, Vladivostok, Russia): Protective composite polymer-containing Coatings on magnesium alloys for severe environment
15:00	89266	Romain Saillard (CIRIMAT ENSIACET, Toulouse, France) / Bernard Viguier (CIRIMAT ENSIACET, Toulouse, France) / Grégory Odemer (CIRIMAT ENSIACET, Toulouse, France) / Olivier Debieu (CIRIMAT ENSIACET, Toulouse, France) / Benoît Fori (Mecaprotec Industries, Muret, France) / Christine Blanc (CIRIMAT ENSIACET, Toulouse, France): Influence of the 2024 aluminum alloy microstructure on the anti-corrosion properties of trivalent chromium conversion layer
15:40		Coffee break
Terrace 2		Corrosion Control in Aerospace
	Chair(s)	M. Zheludkevich
16:10	95652	Silvar Kallip (University of Aveiro, Portugal & University of Tartu, Estonia) / Alexandre M. Ferro Rocha (University of Aveiro, Portugal) / Kiryl A. Yasakau (University of Aveiro, Portugal) / Marco P. Oliveira (University of Aveiro, Portugal) / Lionel Peguet (Constellium Technology Center, Voreppe, France) / Mario G.S. Ferreira (University of Aveiro, Portugal) / Mikhail L. Zheludkevich (Helmholtz-Zentrum Geesthacht, Geesthacht, Germany): Corrosion inhibitor systems for AA2198 and AA2024
16:30	78296	Peter Visser (Delft University of Technology, Netherlands) / Zeynep Devecioglu (Delft University of Technology, Netherlands) / Herman Terryn (Vrije Universiteit Brussel, Belgium) / Arjan Mol (Delft University of Technology, Netherlands): Active protection of aluminium alloys: A comparative study of lithium-based and organic corrosion inhibitors
16:50	77341	Leonardo Bertolucci Coelho (University of Mons, Belgium) / Marie-Georges Olivier (University of Mons, Belgium): The inhibiting action of different species on AA2024/graphite galvanic coupling models studied by SVET
17:10	79711	Zhihua Sun (AECC Beijing Institute of Aeronautical Materials, China): Corrosion property at marine atmosphere of Al based coatings replacing Cd on high strength steels
17:30	89986	Marina Cabrini (Università degli studi di Bergamo, Dalmine, Italy) / Sergio Lorenzi (Università di Bergamo, Dalmine, Italy) / Tommaso Pastore (Università di Bergamo, Dalmine, Italy) / Gianluca D'Urso (Università di Bergamo, Dalmine, Italy) / Claudio Giardini (Università di Bergamo, Dalmine, Italy): Evaluation of corrosion behavior of AA2424 T4 welded by means of FSW
17:50		Opening of Exhibition (Exhibition area)

North Hall		Cathodic Protection
	Chair(s)	M. Roche / J. Crouzillac
10:50	97002	Keynote lecture. Pavel Novak (University of Chemistry and Technology, Prague, Czech Republic) / Sarka Msallamova (University of Chemistry and Technology, Prague, Czech Republic) / Milan Kouril (University of Chemistry and Technology, Prague, Czech Republic): Cathodic passivation
11:30	80536	Christophe Baete (Elsyca N.V., Wijgmaal, Belgium): Corrosion kinetics behind pipeline IR-free potentials
11:50	75427	Mathieu Guerain (ENGIE Lab-CRIGEN, Saint-Denis La Plaine, France) / Elisabeth Fleury (ENGIE Lab-CRIGEN, Saint-Denis La Plaine, France) / Sylvain Fontaine (GRTgaz, Compiègne, France) / Véronique Vasseur (GRDF, Paris, France) / Xavier Campagnolle (Storengy, Bois-Colombes, France): Evaluation of the reliability of IR-Free probes
12:10	78077	Ivano Magnifico (AUTOMA srl, Ancona, Italy) / Alessandra Bruni (AUTOMA srl, Ancona, Italy): Instant OFF Measurements on coupon: An analysis of the relationship among On potential, Off potential and coupon polarization current by means of data received by remote monitoring

12:30		Lunch
North Hall		Cathodic Protection
	Chair(s)	<i>M. Roche / J. Crouzillac</i>
13:40	76456	Markus B�chler (SGK, Z�rich, Switzerland) / Ueli Angst (Swiss Federal Institute of Technology, Zurich, Switzerland) / Bruce Ackland (3Bruce Ackland & Associates Pty Ltd, Mont Albert, Australia): Cathodic protection criteria: A discussion of their historic evolution
14:20	84806	Andrea Brenna (Politecnico di Milano, Milano, Italy) / Silvia Beretta (Politecnico di Milano, Milano, Italy) / Marco Ormellese (Politecnico di Milano, Milano, Italy) / MariaPia Pedferri (Politecnico di Milano, Milano, Italy): Effect of intermittent cathodic protection on potential and corrosion rate of carbon steel in soil simulating solution
14:40	76481	Laura Sanders (ENGIE, Saint Denis, France) / Elisabeth Fleury (ENGIE, Saint Denis, France) / Sylvain Fontaine (GRTgaz, Compi�gne, France) / V�ronique Vasseur (GRDF, Paris, France) / Aymeric Lopitiaux (ENGIE, La Plaine Saint Denis, France) / Romuald Bouaffre (ENGIE, La plaine Saint Denis, France): DC stray currents: Evaluation of the relevance of the risk assessment criterion proposed by the European Standard EN 50162 – Part 2
15:00	97786	Bohumil Kucera (JEKU s.r.o., Prague, Czech Republic): Regulations for the protection of bridge and tunnel structures from the effects of stray currents in the Czech Republic and Slovakia in 2017
15:20	92151	Manfred Kienlein (DEHN + SOEHNE GmbH + Co.KG., Neumarkt, Germany): AC interference on pipelines – comparison of different mitigation measures / technologies and their benefits
15:40		Coffee break
North Hall		Cathodic Protection
	Chair(s)	<i>M. Roche / J. Crouzillac</i>
16:10	71991	Amar Benmounah (University M'Hamed Bougara of Boumerdes, Algeria): Corrosion, diagnosis and repair of the pipelines; case of the Algerian OB24" oil pipeline
16:30	96567	Alireza Hatami Monfared (National Iranian Gas Company, Tehran, Iran) / Sadegh Khodaveisi (National Iranian Gas Company, Tehran, Iran): New approach in the use of ECDA for investigation of external corrosion on pipelines
16:50	95877	Mohammad Najmi (Pars Oil and Gas Company, Tehran, Iran) / daryoush masouri (Pars Oil and Gas Co, Tehran, Iran) / Hamed Aldaghi (Pars Oil and Gas Co, Assaluyeh, Iran): Native and protection potential challenges in pipeline cathodic protection system
17:10	72701	Efim Lyublinski (Corrosion Science, LLC, Solon, USA) / Vladimir Kechin (Vladimir State University, Vladimir, Russia): Formation the basic properties of galvanic anodes during the industrial production
17:30	92186	Javad Khosravi (NIOEC-NIORDC, Tehran, Iran): ICCP systems -voltage restriction and solution
17:50		Opening of Exhibition (Exhibition area)

Terrace 1		Corrosion of Steel in Concrete
	Chair(s)	<i>M. Raupach / G. S. Duffo</i>
10:50	78831	Xavier Hallopeau (FReYSSIneT, Rueil Malmaison, France) / Pierre-Marie Dubois (PMD-ATEAV, Ophain, Belgium) / Daniel Michaux (PMD-ATEAV, Ophain, Belgium): A process for corrosion stabilization in prestressed concrete cables
11:10	90316	Andres Belda Revert (Norwegian University of Science and Technology, Trondheim, Norway) / Klaartje De Weerd (Norwegian University of Science and Technology, Trondheim, Norway) / Karla Hornbostel (Norwegian Public Road Administration, Trondheim, Norway) / Mette Rica Geiker (Norwegian University of Science and Technology, Trondheim, Norway): Carbonation-induced corrosion in Portland-fly ash cements
11:30	99615	Sara Chakri (ANDRA, Paris, France) / Eliane Sutter (UPMC - LISE, Paris, France) / Mai Tran Trong Long (LISE - UPMC, Paris, France) / Sophia Necib (ANDRA, Bure, France) / Didier Crusset (ANDRA, Paris, France): Electrochemical behaviour of carbon steel in the cement based grout material forseen in the French HLW repository
11:50	91591	Thomas Juraschek (RWTH Aachen University, Aachen, Germany) / Oliver Weichold (RWTH Aachen University, Aachen, Germany): Chemical, non-electronic corrosion indication systems
12:10	94127	Marc Kosalla (RWTH Aachen, Aachen, Germany): Chloride-induced depassivation of steel in concrete - effects of electrochemical potential differences and external anodic polarization level
12:30		Lunch
Terrace 1		Corrosion of Steel in Concrete
	Chair(s)	<i>M. Raupach / G. S. Duffo</i>
13:40	72936	Silvia Farina (Comision Nacional de Energia Atomica, San Martin, Argentina) / Gustavo Duff� (Comisi�n Nacional de Energ�a At�mica, Buenos Aires, Argentina): Comparison of the electrochemical behaviour of steel in mortar and in simulated pore solutions
14:00	94107	Marloes van Put (TNO, Delft, Netherlands) / Rob Polder (TNO & Delft University of Technology, Delft, Netherlands) / Willy Peelen (TNO, Delft, Netherlands): Chloride-induced pitting corrosion of steel in concrete: 2D versus 3D modelling
14:20	84776	Marco Ormellese (Politecnico di Milano, Italy) / Fabio Bolzoni (Politecnico di Milano, Italy) / Maria Vittoria Diamanti (Politecnico di Milano, Italy) / MariaPia Pedferri (Politecnico di Milano, Italy) / Andrea Brenna (Politecnico di Milano, Italy): Corrosion inhibitors for reinforced concrete structures: a study of binary mixtures

14:40	84941	Zahid Mohammad Mir (Helmholtz Zentrum Geesthacht, Germany) / Nelson Silva (Swedish Cement and Concrete Research Institute, Stockholm, Sweden) / Philippe Maincon (Materials and Nanotechnology SINTEF, Trondheim, Norway) / Dimitrios A. Dragatogiannis (National Technical University of Athens, Greece) / Costas Charitidis (National Technical University of Athens, Greece) / Ole Swang (Materials and Nanotechnology SINTEF, Oslo, Norway) / Alexandre C. Bastos (University of Aveiro, Aveiro, Portugal) / Urs Mueller (Swedish Cement and Concrete Research Institute, Stockholm, Sweden) / Daniel Höche (Helmholtz Zentrum Geesthacht, Germany) / Mikhail L. Zheludkevich (Helmholtz Zentrum Geesthacht, Germany): Continuum modelling of corrosion processes in reinforced concrete at microscale
15:00	87351	Gregor Gluth (BAM - Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany) / Petr Hlaváček (BAM, Berlin, Germany) / Steffi Reinemann (BAM, Berlin, Germany) / Gino Ebell (BAM, Berlin, Germany) / Hans-Carsten Kühne (BAM, Berlin, Germany) / Jürgen Mietz (BAM, Berlin, Germany): Corrosion of steel reinforcement in geopolymer mortars – carbonation resistance, chloride migration, and preliminary corrosion potential data
15:20	95087	Toshinobu Yamaguchi (Kagoshima University, Japan) / Yoshikazu Akira (Kagoshima University, Japan) / Raika Takeshita (Kagoshima University, Japan) / Koji Takewaka (Kagoshima University, Japan): Corrosion protection performance of zinc galvanized steel bars in concrete
15:40		Coffee break
Terrace 1		Corrosion of Steel in Concrete
	Chair(s)	<i>M. Raupach / G. S. Duffo</i>
16:10	79951	Jean-Louis Perrin (LERM SETEC, Arles, France) / Christophe Carde (LERM SETEC, Arles, France) / Francesco Cornacchioli (LERM SETEC, Arles, France) / Jean-Luc Garciaz (LERM SETEC, Arles, France) / Frédéric Taillade (EDF, R&D STEP, Chatou, France) / Alexandre Boule (EDF, CEIDRE, Aix en Provence, France) / Gabriel Samson (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Fabrice Deby (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Marine Bayle (A-CORROS, Arles, France) / Sébastien Bergerot (A-CORROS, Arles, France) / Jean-Bernard Memet (A-CORROS, Arles, France): DIAMOND, a collaborative R&D project for a preventive maintenance of civil engineering structures using a real time in-situ monitoring of the corrosion rate
16:30	74287	Zhipei Chen (Delft University of Technology, Netherlands) / Kees van Beek (Delft University of Technology, Netherlands) / Dessi Koleva (Delft University of Technology, Netherlands): Effect and interference of the IR drop in monitoring stray current-induced corrosion for embedded reinforcing steel
16:50	81376	Carolina Boschmann Käthler (ETH Zürich, Switzerland) / Ueli M. Angst (ETH Zürich, Switzerland) / Claus K. Larsen (Norwegian Public Road Administration, Oslo, Norway) / Bernhard Elsener (ETH Zürich, Switzerland): Effect of cracks on chloride-induced corrosion of reinforcing steel in concrete
17:10	73806	Amir Asgharzadeh (RWTH Aachen, Germany) / Michael Raupach (RWTH Aachen, Germany): Development of a test method for the durability of carbon textiles under anodic polarisation
17:30	83211	Hong Luo (Hohai University, Nanjing, China) / Huaizhi Su (Hohai University, Nanjing, China) / Chaofang Dong (University of Science and Technology Beijing, Beijing, China) / Xiaogang Li (University of Science and Technology Beijing, China): Effects of deformation on corrosion resistance of a duplex stainless steel in concrete pore environment
17:50		Opening of Exhibition (Exhibition area)

Club E		Marine Corrosion
	Chair(s)	<i>U. Kivisäkk / P. Shiladitya</i>
10:50	73402	Philippe Refait (University of La Rochelle, France) / Thomas Urios (ArcelorMittal Global Research and Development, Esch/Alzette, Luxembourg) / Marc Jeannin (University of La Rochelle, France) / René Sabot (University of La Rochelle, France) / Anne Fagot (ArcelorMittal Global Research and Development, Esch/Alzette, Luxembourg): Corrosion of low alloy steel in stagnant artificial or stirred natural seawater: Role of Al and Cr
11:10	90481	Benjamin Valdez (Universidad Autonoma de Baja California, Mexicali, Mexico) / Jorge Ramirez (Universidad Autónoma de Baja California, Mexicali, Mexico) / Amir Eliezer (Sami Shamon College of Engineering, Beer Sheva, Israel) / Michael Schorr (Universidad Autonoma de Baja California, Mexicali, Mexico): Corrosion and erosion at sea coasts: The cases of Ensenada, Mexico and Ashdod, Israel
11:30	75142	Xian Zhang (Wuhan University of Science and Technology, China) / Zhongping Nie (Wuhan University of Science and Technology, China) / Jing Liu (Wuhan University of Science and Technology, China) / Irina Rodionova (I.P. Bardin Central Research Institute for Ferrous Metallurgy, Moscow, Russia) / Kaiming Wu (Wuhan University of Science and Technology, China): The effect of earth metal and Nb microalloying on initial corrosion of high strength steels in marine environment
11:50	88331	Pauliina Rajala (VTT Technical Research Centre of Finland, Espoo, Finland) / Maija Marja-aho (VTT Technical Research Centre of Finland, Espoo, Finland) / Leena Carpén (VTT Technical Research Centre of Finland, Espoo, Finland): The effect of hypochlorite treatment on stainless steel performance and fouling in cooling water cycles
12:10	84646	Xuan Xie (Northeastern University, Shenyang, China) / Li Liu (Chinese Academy of Sciences, Shenyang, China): Photoelectrochemical cathodic protection of Co(OH)₂ modified TiO₂ on 304SS in the Marine Environment
12:30		Lunch
Club E		Marine Corrosion
	Chair(s)	<i>U. Kivisäkk / P. Shiladitya</i>
13:40	80231	Nanni Noël (Endures B.V., Den Helder, Netherlands) / Bob van Soest (Sweco Nederland B.V., De Bilt, Netherlands) / Sibö Buter (Endures B.V., Den Helder, Netherlands) / Job Klijnstra (Endures B.V., Den Helder, Netherlands): Fast corrosion and unexpected mass loss of steel sheet pilings in a quay lock in the North of the Netherlands

14:00	80946	Shiladitya Paul (Twi Ltd, Cambridge, United Kingdom): Damage tolerance of thermally sprayed aluminium in marine environments
14:20	95517	Aikaterini-Flora Trompeta (National Technical University of Athens, Zografos, Greece) / Ioannis Kartsonakis (National Technical University of Athens, Zografos, Greece) / Elias Koumoulos (National Technical University of Athens, Zografos, Greece) / Diogo Mata (Smallmatek – SmallMaterials and Technologies, Aveiro, Portugal) / Maria Ferreira (Smallmatek – SmallMaterials and Technologies, Aveiro, Portugal) / Frederico Maia (Smallmatek – SmallMaterials and Technologies, Aveiro, Portugal) / Joao Tedim (University of Aveiro, Portugal) / Costas Charitidis (National Technical University of Athens, Zografos, Greece): Corrosion and mechanical performance of a novel antifouling system containing nanoreservoirs
14:40	88556	Mabruk I Suleiman (Takreer Research Centre, Abu Dhabi, United Arab Emirates) / Aya Shiraz Al-Masri (Takreer Research Centre, Abu Dhabi, United Arab Emirates) / Sathyajith Padmalayan (Takreer Research Centre, Abu Dhabi, United Arab Emirates) / M Al Musharfy (Takreer Research Centre, Abu Dhabi, United Arab Emirates): Corrosivity of UAE seawater and brine under static and dynamic conditions
15:00	72257	Michael Lowden (Rolls-Royce, Derby, United Kingdom) / Alison Davenport (University of Birmingham, United Kingdom): Effect of sensitisation on atmospheric corrosion of AlMg
15:20	91446	Sultan Mahmood (University Of Manchester, United Kingdom) / Cem Ornek (KTH Royal Institute of Technology, Stockholm, Sweden) / Dirk Engelberg (University of Manchester, United Kingdom): In-situ measurement of corrosion kinetics of aluminium alloy 6063 under chloride bearing droplet deposits
15:40		Coffee break
Club E		Marine Corrosion
	Chair(s)	<i>U. Kivisäkk / P. Shiladitya</i>
16:10	98080	Elahe Shekari (Centre for Risk, Integrity and Safety Engineering, Memorial University of Newfoundland, St. John's, Canada) / Faisal Khan (Centre for Risk, Integrity and Safety Engineering, Memorial University of Newfoundland, St. John's, Canada) / Salim Ahmed (Centre for Risk, Integrity and Safety Engineering, Memorial University of Newfoundland, St. John's, Canada): Dynamic risk management of assets affected by localized corrosion under insulation
16:30	77702	Kirsten Bobzin (RWTH Aachen University, Germany) / Mehmet Öte (RWTH Aachen University, Germany) / Martin Andreas Knoch (RWTH Aachen University, Germany): Corrosion behaviour of thermally sprayed ZnAl15 coatings
16:50	86351	Ramesh Chinnakurli Suryanarayana (Alliance University, Bengaluru, India) / Varun Desai (PESIT, Bengaluru, India) / Padmapriya Nataraj (Bournemouth University, Poole, United Kingdom) / Adarsha H (Jain University, Bangalore, India) / Naveen Kumar T (Alliance University, Bengaluru, India): NAB coatings for corrosion protection
17:10	77426	Vladimir Totolin (AC2T research GmbH, Wiener Neustadt, Austria) / Vladimir Pejakovic (AC2T research GmbH, Wiener Neustadt, Austria) / Manel Rodriguez Ripoll (AC2T research GmbH, Wiener Neustadt, Austria): Surface engineering of Ti6Al4V sliding components for marine environments
17:50		Opening of Exhibition (Exhibition area)

Club D		Atmospheric Corrosion
	Chair(s)	<i>A. Davenport</i>
10:50	78057	Keynote lecture. Katerina Kreislova (SVUOM Ltd., Prague, Czech Republic): Comparison of methods for estimation of atmospheric corrosivity
11:10	83861	Johan Tidblad (Swerea KIMAB, Kista, Sweden) / Pasquale Spezzano (ENEA, Frascati, Italy) / Katerina Kreislova (SVUOM, Prague, Czech Republic) / Daniel de la Fuente (CENIM, Madrid, Spain) / Markus Faller (Empa Joining technology and Corrosion, Dübendorf, Switzerland) / Tim Yates (BRE, Watford, United Kingdom) / Aurélie Verney-Carron (LISA, Creteil, France) / Terje Grøntoft (NILU, Kjeller, Norway): Air pollution effects during 30 years of research within ICP Materials (1987-2017)
11:30	73261	Teruhisa Tatsuoka (Tokyo Electric Power Company Holdings, Inc. / TEPCO Research Institute, Yokohama, Japan) / Masanori Osada (Tokyo Electric Power Company Holdings, Inc. / TEPCO Research Institute, Yokohama, Japan) / Tomohito Hida (TEPCO Power Grid, Inc., Tokyo, Japan) / Akio Kawahara (TEPCO Power Grid, Inc., Tokyo, Japan) / Hiroshi Ohta (TEPCO Power Grid, Inc., Tokyo, Japan) / Yoichi Tsuchida (TEPCO Power Grid, Inc., Tokyo, Japan): Corrosion evaluation with atmospheric corrosion monitoring sensors and corrosion rate map development
11:50	91196	Heidis Cano (Universidad de la Costa, Barranquilla, Colombia) / Mayka Irina Bautista Betancur (Universidad Antonio Nariño, Cartagena, Colombia) / John Fredy Ríos Rojas (Universidad Antonio Nariño, Bogota, Colombia) / Lorcý Piedad De La Hoz Vélez (Universidad Antonio Nariño, Cartagena, Colombia) / Lidy Agamez (Institucion Tecnologica Colegio Mayor de Bolivar, Cartagena, Colombia) / Maria Eugenia Agamez (Institución Tecnológica Colegio Mayor de Bolivar, Cartagena, Colombia) / Wilson Bernal Herrera (Universidad Antonio Nariño, Cartagena, Colombia): Atmospheric corrosion of aluminum exposed in tropical environment
12:10	99815	T H Lien Le (Institute of Material Science, Hanoi, Vietnam) / Tadashi Shinohara (National Institute for Materials Science, Tsukuba, Japan) / Amnuaysak Chianpairot (National Metal and Materials Technology Center, Bangkok, Thailand) / Ekkarut Viyanit (National Metal and Materials Technology Center, Bangkok, Thailand) / L Hong Hoang (Institute of Material Science, Hanoi, Vietnam) / T San Pham (Institute of Material Science, Hanoi, Vietnam): Atmospheric corrosion behavior of steel in Asian areas
12:30		Lunch
Club D		Atmospheric Corrosion
	Chair(s)	<i>J. Tidblad</i>

13:40	79046	Takeji Deji (Nippon Steel & Sumitomo Metal Corporation, Amagasaki, Japan) / Takayuki Kamimura (Nippon Steel & Sumitomo Metal Corporation, Amagasaki, Japan) / Kiyonobu Sugae (Nippon Steel & Sumitomo Metal Corporation, Amagasaki, Japan) / Hideaki Miyuki (Nippon Steel & Sumitomo Metal Corporation, Amagasaki, Japan): Estimation of air oxidation rate of Fe²⁺ in concentrated chloride solution
14:00	92046	Shuji Nishida (JFE Steel Corporation, Chiba, Japan) / Tomohiro Ishii (JFE Steel Corporation, Chiba, Japan) / Mitsuyuki Fujisawa (JFE Steel Corporation, Chiba, Japan) / Reiko Sugihara (JFE Steel Corporation, Chiba, Japan): The analysis of dew corrosion behavior of stainless steel based on the in-situ observation of elementary process to rusting
14:20	78102	Haigang Xiao (Chinese Academy of Sciences, Shenyang, China) / Ying Li (Chinese Academy of Sciences, Shenyang, China): Investigation of effects of repeated wet-dry cycles to the formation of akaganeite by simulated experiments in laboratory
14:40	74447	Zhenyao Wang (Chinese Academy of Sciences, Shenyang, China) / Jun WANG (Chinese Academy of Sciences, Shenyang, China): Corrosion evolution of weathering steel in Qinghai salt lake atmospheric environment
15:00	73627	Chen Pan (Chinese Academy of Sciences, Shenyang, China): A study on the atmospheric corrosion mechanism of carbon steel exposed to an industrial environment
15:20	85126	Hina Sato (Nippon Steel & Sumitomo Metal Corporation, Japan) / Makoto Nagasawa (Nippon Steel & Sumitomo Metal Corporation, Japan) / Kazuyuki Kashima (Nippon Steel & Sumitomo Metal Corporation, Japan) / Michio Kaneko (Nippon Steel & Sumitomo Metal Corporation, Japan) / Takashi Doi (Nippon Steel & Sumitomo Metal Corp., Amagasaki, Japan): Effect of nickel addition on corrosion resistance of steel in a subtropical seashore environment
15:40		Coffee break
Club D		Atmospheric Corrosion
	Chair(s)	<i>D. de la Fuente</i>
16:10	93216	Alison Davenport (University of Birmingham, United Kingdom) / Steven Street (University of Birmingham, United Kingdom) / Trevor Rayment (University of Birmingham, United Kingdom): Electrochemistry of stainless steel in concentrated solutions of relevance to atmospheric corrosion
16:30	92071	Tomas Prosek (University of Chemistry and Technology Prague, Czech Republic) / Jiri Lieberzeit (University of Chemistry and Technology Prague, Czech Republic) / Alan Jarvis (International Climbing and Mountaineering Federation, Sheffield, United Kingdom): Towards a new classification system for climbing anchors: Low temperature SCC failures of stainless steel components
16:50	73821	Ainhoa Riquelme (Universidad Rey Juan Carlos, Móstoles, Spain) / Pilar Rodrigo (Universidad Rey Juan Carlos, Móstoles, Spain) / Dolores Escalera-Rodriguez (Universidad Rey Juan Carlos, Móstoles, Spain) / Fernando Pedraza (La Rochelle University, La Rochelle, France) / Joaquín Rams (Universidad Rey Juan Carlos, Móstoles, Spain): Metal matrix composite coatings corrosion in marine environment
17:10	74867	Michael Schneider (Fraunhofer-Institut für Keramische Technologien und Systeme, Dresden, Germany) / Sandra Ferl (Fraunhofer Institut für keramische Technologien und Systeme, Dresden, Germany) / Ulrike Langklotz (TU Dresden Institut für Werkstoffwissenschaft, Dresden, Germany): Interplay between wet-dry-cycles and corrosion initiation due to chloride accumulation on AA1050 – a simple experimental approach
17:30	97022	Teresa Cunha Diamantino (LNEG, Lisboa, Portugal) / Rita Gonçalves (LNEG, Lisboa, Portugal) / Isabel Nascimento Alves (LNEG, Lisboa, Portugal) / Soraia Páscoa (LNEG, Lisboa, Portugal) / Teresa Chambino (LNEG, Lisboa, Portugal) / Maria João Carvalho (LNEG, Lisboa, Portugal): Durability of selective coatings applied on aluminium for solar thermal energy applications
17:50		Opening of Exhibition (Exhibition area)

Meeting Hall V		Metallic Coatings
	Chair(s)	<i>M. Lekka / R. Feser</i>
10:50	82991	Linsey Lapeire (Ghent University, Belgium) / Robin Vanparys (Ghent University, Belgium) / Babs Lemmens (Ghent University, Belgium) / Iris De Graeve (Vrije Universiteit Brussel and Ghent University, Belgium) / Kim Verbeken (Ghent University, Belgium) / Alexander Lutz (Vrije Universiteit Brussel, Belgium): Influence of dipping conditions on intermetallic layer formation and electrochemical behaviour of aluminized steel
11:10	80286	Jiri Barta (VZLU - Aerospace Research and Test Establishment, Praha, Czech Republic) / Simona Ivanova (VZLU - Aerospace Research and Test Establishment, Praha, Czech Republic) / Martina Pazderova (VZLU - Aerospace Research and Test Establishment, Praha, Czech Republic): Electrodeposition of high entropy alloy coating from water bath
11:30	80921	Stephane Grosso (SIMaP laboratory, Grenoble, France) / Laurence Latu-Romain (SIMAP laboratory, Grenoble, France) / Gregory Berthomé (SIMAP laboratory, Grenoble, France) / Marc Mantel (Ugitech, Ugine, France): Ti, TiN architected coatings on stainless steels: Structural properties versus corrosion resistance
11:50	85251	Peter Jensen (Technical University of Denmark, Kongens Lyngby, Denmark) / Visweswara Gudla (Technical University of Denmark, Kongens Lyngby, Denmark) / Rajan Ambat (Technical University of Denmark, Kongens Lyngby, Denmark): Thermal stability of electroplated equiatomic tin-nickel alloy: Microstructure and electrochemical properties
12:10	87861	Junlei Tang (Southwest petroleum university, Chengdu, China) / Mihai Apreutesei (Université de Lyon, France) / QiuHong Zhu (Southwest petroleum university, Chengdu, China): The roles of chemical composition on corrosion and mechanical properties of binary Zr-Cu metallic glass thin films
12:30		Lunch

Meeting Hall V		Metallic Coatings
	Chair(s)	<i>R. Feser / F. Andreatta</i>
13:40	94997	<u>Maria Lekka</u> (University of Udine, Italy) / <u>Ruben Offoiach</u> (University of Udine, Italy) / <u>Marco Sebastiani</u> (Roma Tre University, Italy) / <u>Edoardo Bemporad</u> (Roma Tre University, Italy) / <u>Lorenzo Fedrizzi</u> (University of Udine, Italy): Ni/B electrodeposits with low B content: Effect of deposition parameters on the electrochemical behaviour
14:00	90911	<u>Eva García-Lecina</u> (Fundación CIDETEC, San Sebastián, Spain) / <u>Asier Salicio-Paz</u> (Fundación CIDETEC, San Sebastián, Spain) / <u>Hans-Jürgen Grande</u> (Fundación CIDETEC, San Sebastián, Spain) / <u>Eva Pellicer</u> (Universitat Autònoma de Barcelona, Bellaterra, Spain) / <u>Jordi Sort</u> (Institutió Catalana de Recerca i Estudis Avançats (ICREA) & Universitat Autònoma de Barcelona, Bellaterra, Spain): Corrosion resistance, mechanical and tribological properties of electroless NiP multilayered coatings
14:20	85441	<u>Donya Ahmadkhaniha</u> (Jonkoping University, Sweden) / <u>Peter Leisner</u> (Jonkoping University, Sweden) / <u>Caterina Zanella</u> (Jonkoping University, Sweden) / <u>Santiago Pinate</u> (Jonkoping University, Sweden): Electrodeposition of Ni high P composite coatings containing nano and submicron ceramic particles
14:40	74712	<u>Véronique Vitry</u> (UMONS, Mons, Belgium) / <u>Luiza Bonin</u> (UMONS, Mons, Belgium) / <u>Narinder Bains</u> (University of Coventry, United Kingdom) / <u>Andrew Cobley</u> (University of Coventry, United Kingdom): Corrosion behaviour of ultrasound assisted electroless nickel-boron coatings
15:00	77521	<u>Matilda Zemanova</u> (Slovak University of Technology in Bratislava, Slovakia) / <u>Jakub Druga</u> (Slovak University of Technology in Bratislava, Slovakia): Corrosion behaviour of amorphous and nanocrystalline Ni-W alloys
15:20	82316	<u>Mustafa Kocabas</u> (Yildiz Technical University, Istanbul, Turkey) / <u>Michele Curioni</u> (The University of Manchester, United Kingdom) / <u>Nurhan Cansever</u> (Yildiz Technical University, Istanbul, Turkey): Surface properties investigation of Ni-P-BN(h) coatings on 1050 aluminium substrate with nanostructured anodic oxide interlayer
15:40		Coffee break
Meeting Hall V		Metallic Coatings
	Chair(s)	<i>F. Andreatta / M. Lekka</i>
16:10	77812	<u>Mário Guerreiro Silva Ferreira</u> (University of Aveiro, Portugal) / <u>Maksim Starykevich</u> (University of Aveiro, Portugal) / <u>Andrei Salak</u> (University of Aveiro, Portugal) / <u>Dzmitry Ivanou</u> (University of Porto, Portugal) / <u>Mikhail Zeludkevich</u> (University of Aveiro, Portugal): Porous anodic template modification for the electrosynthesis of zinc nanorods
16:30	94697	<u>Sören Trollst</u> (TU Darmstadt, Germany) / <u>Matthias Oechsner</u> (TU Darmstadt, Germany) / <u>Holger Hoche</u> (TU Darmstadt, Germany): Hydrogen embrittlement induced by electrochemical plating of Zinc-Nickel and Zinc coatings on high strength steel specimens
16:50	88606	<u>Alexander Mertke</u> (University of Applied Sciences South Westphalia, Iserlohn, Germany) / <u>Ralf Feser</u> (University of Applied Sciences South Westphalia, Iserlohn, Germany): Diffusion processes in thermally sprayed zinc and zinc aluminum coatings considering structural and corrosive influences
17:10	95982	<u>Nathan Cooze</u> (Swansea University, United Kingdom) / <u>James Sullivan</u> (Swansea University, United Kingdom) / <u>Thomas Lewis</u> (Swansea University, United Kingdom) / <u>Callum Gallagher</u> (Swansea University, United Kingdom) / <u>Dominique Thierry</u> (Institut de la Corrosion, Brest, France) / <u>Tomas Prosek</u> (Institut de la Corrosion, Brest, France): A novel time-lapse microscopy technique to study the corrosion mechanisms and effects of phosphate inhibitor during the corrosion of a zinc-magnesium-aluminium alloy coating
17:30	92006	<u>Ramesh Chinnakurli Suryanarayana</u> (Alliance University, Bangalore, India) / <u>Shekar N</u> (Dayananda Sagar College of Engineering, Bangalore, India) / <u>Pushpak Patil</u> (Alliance College of Engineering and Design, Bangalore, India) / <u>Sopanna Muddanavar</u> (Alliance College of Engineering and Design, Bangalore, India) / <u>Ajay Ajay</u> (Alaplappanvar, Bangalore, India): A study on corrosion resistance HVOF thermally sprayed Inconel - 718 titania composite coatings
17:50		Opening of Exhibition (Exhibition area)

Tuesday, 5 September 2017: Lectures

Forum Hall	Plenary session
08:15	Process Safety Opening ceremony
08:25	Plenary Lecture - Ivan Cole

Tuesday, 5 September 2017: Lectures

Forum Hall		Pretreatments
	Chair(s)	<i>M. Ferreira, H. Terry</i>
9:20	96862	<u>Arnoud de Vooy</u> (Tata Steel Research, Velzen-Noord, Netherlands): Corrosion mechanism of bare and pretreated Zn and Zn-Al-Mg hot-dipped steel
9:40	74662	<u>Thuy Duong Nguyen</u> (Université de Mons, Mons, Belgium) / <u>Thi Xuan Hang To</u> (Institute for Tropical technology, VAST, Hanoi, Vietnam) / <u>Yoann Paint</u> (Materia Nova Research Center, Mons, Belgium) / <u>Julien Gervasi</u> (UMONS, Belgium) / <u>Maurice Gonon</u> (UMONS, Belgium) / <u>Marie-Georges Olivier</u> (UMONS, Belgium): Corrosion inhibition of carbon steel by hydrotalcites modified with different organic inhibitors studied in chloride
10:00	73777	<u>Joost van Dam</u> (Delft University of Technology, Delft, Netherlands) / <u>Herman Terry</u> (Vrije Universiteit Brussel, Belgium) / <u>Arjan Mol</u> (Delft University of Technology, Delft, Netherlands): Surface pre-treatment effect on the adhesion and durability of a steel-epoxy interface
10:20		Coffee break
Forum Hall		Pretreatments
	Chair(s)	<i>M. Ferreira, H. Terry</i>
10:50	96872	<u>Lech Kwiatkowski</u> (Institute of Precision Mechanics, Warsaw, Poland) / <u>Michal Hanke</u> (Institute of Precision Mechanics, Warsaw, Poland): The benefits from an application of non-aqueous or organic - water solutions as components for new conversion coatings on Al 2000 series alloys
11:10	79546	<u>Laura-Lynn Fockaert</u> (Delft University of Technology, Netherlands) / <u>Herman Terry</u> (Vrije Universiteit Brussel, Belgium) / <u>Arjan Mol</u> (Delft University of Technology, Netherlands): The effect of zirconium based conversion treatment of zinc-, aluminium- and magnesium oxides on the bonding mechanisms and degradation of ester functionalized molecules
11:30	82931	<u>Akeel Ahmed</u> (University of Manchester, United Kingdom) / <u>Rob Lindsay</u> (University of Manchester, United Kingdom) / <u>Michele Curioni</u> (University of Manchester, United Kingdom) / <u>Sohail Hajatdoost</u> (Tata Steel Research & Development, Coventry, United Kingdom) / <u>Mallika Bohm</u> (Tata Steel Research & Development, Coventry, United Kingdom): Understanding the anti-corrosion mechanism of graphene based coatings
11:50	80461	<u>Bruno Burmas</u> (NTNU, Trondheim, Norway) / <u>Kemal Nisancioglu</u> (NTNU, Trondheim, Norway) / <u>Otto Lunder</u> (SINTEF, Trondheim, Norway) / <u>John Erik Lein</u> (SINTEF, Trondheim, Norway): Alternating current acid etching of aluminium
12:10		Lunch
Forum Hall		Chromate Replacement
	Chair(s)	<i>P. Keil / S. Bohm</i>
13:30	99025	Keynote lecture. <u>Patrick Keil</u> (BASF Coatings GmbH, Münster): Chromate Replacement: Challenges and Opportunities
14:10	78891	<u>Xavier Verdalet-Guardiola</u> (MECAPROTEC Industries, Frouzins, France) / <u>Christine Blanc</u> (CIRIMAT, Toulouse, France) / <u>Jean-Pierre Bonino</u> (CIRIMAT, Toulouse, France) / <u>Sandrine Duluard</u> (CIRIMAT, Toulouse, France) / <u>Benoit Fori</u> (Mecaprotec Industries, Muret, France): Nucleation and growth of trivalent chromium conversion coating on 2024-T3 aluminium alloy
14:30	96172	<u>Jolanta Swiatkowska</u> (Chimie ParisTech, Paris, France) / <u>Anca-Iulia Stoica</u> (Chimie ParisTech, Paris, France) / <u>Antoine Seyeux</u> (Chimie ParisTech, Paris, France) / <u>Benoit Fori</u> (Mecaprotec, Muret, France) / <u>Marion Ely</u> (Socomore, Vannes, France) / <u>Philippe Marcus</u> (Chimie ParisTech, Paris, France): Application of 3D ToF-SIMS imaging in analysis of Trivalent Chromium Process (TCP) conversion coating formed on AA2024 aluminium alloy
14:50	81231	<u>Ursa Tiringar</u> (Jozef Stefan Institute, Ljubljana, Slovenia) / <u>Alicia Durán</u> (Jozef Stefan Institute, Ljubljana, Slovenia) / <u>Ingrid Milosev</u> (Jozef Stefan Institute, Ljubljana, Slovenia): Self-healing effect of multi-layer sol-gel coatings doped with cerium
15:10		WP14 meeting
15:50		Coffee break
Forum Hall		Chromate Replacement
	Chair(s)	<i>P. Keil / S. Bohm</i>
16:20	83571	<u>Juan Jesús Alba Galvín</u> (University of Cádiz, Spain) / <u>Leandro Gonzáles Rovira</u> (University of Cádiz, Spain) / <u>Javier Botana</u> (University of Cádiz, Spain) / <u>Manuel Bethencourt</u> (University of Cádiz, Spain): Influence of pretreatments on intermetallic particles and cerium conversion coating (CeCC) in aluminum aerospace alloys
16:40	73382	<u>Patrick Dodds</u> (Hexigone Inhibitors Ltd, Swansea, United Kingdom) / <u>Geraint Williams</u> (Swansea University, United Kingdom) / <u>Phillip Ansell</u> (Swansea University, United Kingdom): A novel, highly effective, chrome-free, smart-release, economically viable corrosion inhibitor- from lab kinetics through to industrial coating incorporation
17:00	80956	<u>Maryam Eslami</u> (University of Trento, Italy) / <u>Flavio Deflorian</u> (University of Trento, Italy) / <u>Michele Fedel</u> (University of Trento, Italy) / <u>Caterina Zanella</u> (Jönköping University, Sweden): Ce-based conversion coatings on Rheo-HPDC low Si content aluminum alloy
17:20	91161	<u>Dan Persson</u> (Swerea KIMAB AB, Stockholm, Sweden) / <u>Erwan Diler</u> (Institut de la Corrosion, Brest, France) / <u>Simon Leijonmarck</u> (Swerea KIMAB AB, Stockholm, Sweden) / <u>Stephane Rioual</u> (University of Western Brittany, Brest, France) / <u>Malin Tornberg</u> (Swerea KIMAB AB, Stockholm, Sweden) / <u>Dominique Thierry</u> (Institut de la Corrosion, Brest, France): Formation of Ti/Zr based conversion coatings on multi-metal surfaces and ZnAlMg-coated steel
17:40	85621	<u>Andreas Dietz</u> (Fraunhofer Institute for Surface Engineering and Thin Films IST, Braunschweig, Germany) / <u>Essam Moustafa</u> (Fraunhofer Institute for Surface Engineering and Thin Films IST, Braunschweig, Germany): Corrosion protection of electrodeposited hard chromium layers from trivalent electrolytes

18:00	86811	Mike Rumbles (Edinburgh Napier University, United Kingdom) / Alicja Stankiewicz (Edinburgh Napier University, United Kingdom): Electroless co-deposition of gelatine microgels with nickel-phosphorous coatings
18:30		Poster Party (Forum Hall Foyer)

Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>S. Virtanen</i>
9:20	76226	Kwangmin Kim (POSCO Technical Research Laboratories, Pohang, Korea) / Jonghee Kim (POSCO Technical Research Laboratories, Pohang, Korea) / Kkochnim Oh (POSCO Technical Research Laboratories, Pohang, Korea): Effect of surface modification on the corrosion resistance of stainless steels
9:40	84006	François Tosar (Technochim, Ghislenghien, Belgium) / Fabienne Delaunois (Université de Mons, Belgium) / Frédéric Groulard (Technochim, Ghislenghien, Belgium): Study of stainless steel corrosion in pharmaceutical facilities: Initiation and development
10:00	71641	Yanhui Li (Xi'an Jiaotong University, China) / Shuzhong Wang (Xi'an Jiaotong University, China) / Chuang Yang (Xi'an Jiaotong University, China) / Jianqiao Yang (Xi'an Jiaotong University, China): Influences of oxygen levels on corrosion behavior of austenitic steels in oxidizing supercritical water
10:20		Coffee break
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>A. W. Hassel</i>
10:50	89156	Lei Wang (Northeastern University, China) / Bo Gao (Northeastern University, China) / Yang Liu (Northeastern University, China) / Xiu Song (Northeastern University, China): Effects of Ni content on the corrosion behavior of new type Co-base superalloy at 900°C
11:10	85551	Vincent Maurice (CNRS-Chimie ParisTech, France) / Mohamed Bettayeb (CNRS-Chimie ParisTech, France) / Lorena H Klein (CNRS-Chimie ParisTech, France) / Linsey Lapeire (Ghent University, Belgium) / Kim Verbeken (Ghent University, Belgium) / Philippe Marcus (CNRS-Chimie ParisTech, France): Initial stages of intergranular corrosion as studied locally on copper by electrochemical scanning tunnelling microscopy
11:30	79996	Liusi Yu (Southwest Petroleum University, China) / Junlei Tang (Southwest Petroleum University, China) / Jichao Qiao (Northwestern Polytechnical University, China) / Bernard Normand (Université de Lyon, France): Influence of microstructure and chemical composition on the corrosion properties of Zr-based bulk metallic glasses
11:50	91316	Ying Jin (University of Science and Technology Beijing, China) / Zhaogui Lai (University of Science and Technology Beijing, China) / Yongchao Wang (University of Science and Technology Beijing, China) / Songtao Yan (University of Science and Technology Beijing, China) / Christofer Leygraf (KTH Royal Institute of Technology, Sweden) / Jinshan Pan (KTH Royal Institute of Technology, Sweden) / Lei Wen (University of Science and Technology Beijing, China): A novel method for testing local electrochemical properties of each single phase in the matrix
12:10		Lunch
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>K. Fushimi</i>
13:30	82486	Gerrit Zijlstra (University of Groningen, Netherlands) / Leo de Jeer (University of Groningen, Netherlands) / Václav Ocelík (University of Groningen, Netherlands) / Majid Sababi (Delft University of Technology, Netherlands) / Yaiza Gonzalez-Garcia (Delft University of Technology, Netherlands) / Isabelle Vandendael (Vrije Universiteit Brussel, Belgium) / Herman Terryn (Vrije Universiteit Brussel, Belgium) / Jeff De Hosson (University of Groningen, Netherlands): Advantageous selective surface oxidation of iron-chromium steel
13:50	92636	Marie Långberg (KTH Royal Institute of Technology, Sweden) / Thomas F. Keller (DESY NanoLab FS-NL, Hamburg) / Heshmat Noei (DESY NanoLab FS-NL, Hamburg) / Carsten Wiemann (Forschungszentrum Jülich GmbH, Jülich) / Satishkumar Kulkarni (DESY NanoLab FS-NL, Hamburg) / Andreas Stierle (DESY NanoLab FS-NL, Hamburg) / Ulf Kivisääk (AB Sandvik Materials Technology, Sandviken, Sweden) / Jinshan Pan (Royal Institute of Technology, Sweden): Analysis of air-formed oxide film on super duplex stainless steel by hard X-ray photoemission spectroscopy (HAXPES)
14:10	81886	Benjamin Krawczyk (The University of Manchester, United Kingdom) / Dirk Engelberg (The University of Manchester, United Kingdom): Corrosion type diagrams of cold rolled type 316L stainless steel in HCl containing aqueous environment
14:30	93612	Namurata Palsson (National Metal and Materials Technology Center, Klong Luang, Thailand) / Ekkarut Viyanit (National Metal and Materials Technology Center, Klong Luang, Thailand) / Pitichon Klomjit (National Metal and Materials Technology Center, Klong Luang, Thailand) / Piya Khamsuk (National Metal and Materials Technology Center, Klong Luang, Thailand) / Sikharin Sorachot (National Metal and Materials Technology Center, Klong Luang, Thailand) / Witsanupong Khonraeng (National Metal and Materials Technology Center, Klong Luang, Thailand): Effects of chloride concentration, flow velocity and temperature on pitting corrosion of 304L stainless steel tubes
14:50	84486	Paulina Erazmus Vignal (SATT Grand Est, Dijon, France) / Vincent Vignal (ICB, Dijon, France) / Saghi Saedlou (APERAM research, Isbergues, France) / Florent Krajcarz (APERAM Research, Isbergues, France): Corrosion behaviour in sodium chloride solution of sites containing (Cr, Fe)₂N nano-particles in duplex stainless steels
15:10	77897	Reza Ghorbani (South Pars Gas Complex Co., Shiraz, Iran) / Seyed Omid Razavizadeh (Sharif University of Technology, Iran): Corrosion case study of SS316L amine/amine plate heat exchanger at SPGC ethane refining unit
15:50		Coffee break
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring

	Chair(s)	<i>H. McMurray</i>
16:20	80256	Rongguang Wang (Hiroshima Institute of Technology, Japan) / Masanobu Imagawa (Hiroshima Institute of Technology, Japan) / Masaharu Honda (Nikko Techno Co., LTD, Japan) / Takayuki Mori (Nikko Techno Co., LTD, Japan) / Hideki Fukuhara (The Japan Steel Works, Ltd, Japan): Single loop electrochemical potentiokinetic reactivation behavior of continuously cooled SUS329J4L duplex stainless steel
16:40	78851	Charles David (APERAM Stainless France, Isbergues, France) / Fiona Ruel (APERAM Stainless France, Isbergues, France) / Saghi Saedlou (APERAM Stainless France, Isbergues, France) / Paulina Erasmus-Vignal (SATT Grand Est, Dijon, France) / Vincent Vignal (Laboratoire Interdisciplinaire Carnot de Bourgogne (ICB), Dijon, France) / Ricardo Nogueira (The Petroleum Institute, Abu Dhabi, United Arab Emirates): Influence of plastic pre-strain of leanduplex DX2304 stainless steel on the hydrogen evolution reaction in acidic environment
17:00	95142	Kazuhisa Azumi (Hokkaido University, Japan) / Shu Saito (Hokkaido University, Sapporo, Japan): Application of resistometry to nonuniform corrosion monitoring
17:20	80516	Axel Homborg (Netherlands Defence Academy, Den Helder, Netherlands) / Arjan Mol (Delft University of Technology, Netherlands) / Patrick Oonincx (Netherlands Defence Academy, Den Helder, Netherlands): Corrosion differentiation using electrochemical noise through a single parameter in the time-frequency domain
17:40	89951	Sheng-Gang Wang (Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China): Enhanced pitting and uniform corrosion resistances of nanocrystalline 304 stainless steel in high-concentration hydrochloric acid solutions
18:30		Poster Party (Forum Hall Foyer)

Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>C. Duhamel</i>
9:20	93922	Keynote lecture. Jan Macak (UCT Prague, Czech Republic) / Michal Novák (UCT Prague, Czech Republic) / Aneta Krausová (UCT Prague, Czech Republic) / Lukáš Tůma (UCT Prague, Czech Republic) / Petr Sajdl (UCT Prague, Czech Republic) / Magdaléna Hromadová (JHIPC, Academy of Science, Prague, Czech Republic) / Lubomír Pospíšil (JHIPC, Academy of Science, Prague, Czech Republic): Hydrogen evolution on Si-based thin film covered zirconium
10:00	85546	Yunhan Ling (Tsinghua University, Beijing, China): Effect of water chemistry on the corrosion behavior and mechanism of N18 zircaloy
10:20		Coffee break
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>G. Was/H.P. Seifert</i>
10:50	72222	Timo Saario (VTT Technical Research Centre of Finland, Espoo, Finland) / Martin Bojinov (University of Chemical Technology and Metallurgy, Sofia, Bulgaria) / Essi Jäppinen (VTT Technical Research Centre of Finland, Espoo, Finland) / Konsta Sipilä (VTT Technical Research Centre of Finland, Espoo, Finland) / Wolfgang Mayinger (PreussenElektra GmbH, Hannover) / Maxim Selektor (PreussenElektra GmbH, Hannover): Effect of chloride transients on corrosion of low-alloyed steel under oxygenated high-temperature water conditions
11:10	72092	Michael Lowden (Rolls-Royce, Derby, United Kingdom) / Tony Horner (Rolls-Royce, Derby, United Kingdom) / Paul Nevitt (NNL (formerly Rolls-Royce), Stoke, United Kingdom) / Graham Quirk (Amec Foster Wheeler, Warrington, United Kingdom) / Andrew Barrow (Rolls-Royce, Derby, United Kingdom): Effect of material hardness and microstructure on the susceptibility of martensitic stainless steels to corrosion and stress corrosion cracking
11:30	96417	Bojan Zajec (Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia) / Tadeja Kosec (Slovenian National Building and Civil Engineering institute, Ljubljana, Slovenia) / Andraz Legat (Slovenian National Building and Civil Engineering institute, Ljubljana, Slovenia): Detection of stress corrosion cracking in stainless steel by multiple techniques
11:50	83021	Masahiro Yamamoto (Japan Atomic Energy Agency, Tokai-mura Ibaraki, Japan) / Tomonori Satoh (Japan Atomic Energy Agency, Tokai-mura Ibaraki, Japan) / Takahiro Igarashi (Japan Atomic Energy Agency, Tokai-mura Ibaraki, Japan) / Fumiyoshi Ueno (Japan Atomic Energy Agency, Tokai-mura Ibaraki, Japan) / Yasutaka Soma (Japan Atomic Energy Agency, Tokai-mura Ibaraki, Japan): Effects of environmental factors inside the crevice on corrosion of stainless steel in high temperature water
12:10		Lunch
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>S. Trevin/H. Hänninen</i>
13:30	90236	Anne-Cécile Bach (Université Paris-Saclay, France) / Cécilie Duhamel (MINES ParisTech, Evry, France) / Frantz Martin (Université Paris-Saclay, France) / Stéphane Perrin (CEA, DEN, DE2D, SEAD, Laboratoire d'étude des Ciments et Bitumes pour le Conditionnement, France) / Jérôme Crepin (MINES ParisTech, Evry, France) / François Jomard (Groupe d'Etude de la Matière Condensée, CNRS, UVSQ, Versailles, France): Effects of irradiation-induced defects on hydrogen uptake of a 316L stainless steel during oxidation in PWR primary water environmen
13:50	92771	Jordan Baux (Université de Toulouse, France) / Nadine Pébère (Université de Toulouse, France) / Sophie Delaunay (EDF R&D/ Chemistry and Corrosion Group, France) / Jonathan Tireau (EDF R&D/ Chemistry and Corrosion Group, France) / Christophe Goujon (EDF R&D/ Chemistry and Corrosion Group, France) / Marion Roy (Université Paris-Saclay, France) / Dominique You (Université Paris-Saclay, France): Use of a film-forming amine for mild steel protection: Application to the nuclear industry

14:10	89061	Shunsuke Uchida (Institute of Applied Energy, Tokyo, Japan) / Masanori Naitoh (Institute of Applied Energy, Tokyo, Japan) / Hidetoshi Okada (Institute of Applied Energy, Tokyo, Japan) / Masayoshi Kojima (Tokyo Institute of Technology, Tokyo, Japan) / Hiroshige Kikura (Tokyo Institute of Technology, Tokyo, Japan) / Derek Lister (University of New Brunswick, Fredericton, Canada): Improvement of Plant Reliability Based on Inspection and Maintenance of Wall Thinning due to FAC
14:30	87131	En-Hou Han (Institute of Metal Research, Chinese Academy of Sciences): The potential new materials used in light water nuclear power plant
14:50	90066	Quentin Bignon (Université Paris-Saclay, France) / Quentin Auzoux (Université Paris-Saclay, France) / Frantz Martin (Université Paris-Saclay, France) / Frédéric Miserque (Université Paris-Saclay, France) / Michel Tabarant (Université Paris-Saclay, France) / Yves Wouters (Université Grenoble Alpes, France): Corrosion and hydrogen uptake of titanium alloys in pressurised water reactor (PWR) primary water
15:10	96887	Vaclav Seif (Technopark Kralupy - UCT Prague, Czech Republic): Intergranular corrosion of advanced heat-resistant steels
15:30	79651	Dana Tonarová (UJV Rez, Czech Republic) / Jan Berka (Centrum vyzkumu Rez, Czech Republic) / Jaroslav Burda (UJV Rez, Czech Republic) / Jana Kalivodová (Centrum vyzkumu Rez, Czech Republic) / Zuzana Skoumalová-Vávrovcová (UJV Rez, Czech Republic): Corrosion behaviour of nickel-chromium based super-alloys Inconel 738 and Inconel 713 after exposure to impure He
15:50		Coffee break
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	U. Ehrstén/T. Saario
16:20	94252	Hannu Hänninen (Aalto University, Finland) / Aki Toivonen (VTT, Espoo, Finland): EAC crack initiation in Ni-base alloy dissimilar metal welds in doped steam
16:40	71866	Seong Sik Hwang (Korea Atomic Energy Research, Daejeon, Korea) / Yun Soo Lim (Korea Atomic Energy Research Institute, Daejeon, Korea) / Tae Young Ahn (Korea Atomic Energy Research Institute, Daejeon, Korea) / Sung Woo Kim (Korea Atomic Energy Research Institute, Daejeon, Korea): Effect of local strain distribution on PWSCC of Alloy 690 in PWR water environment
17:00	73987	Tae-Young Ahn (Korea Atomic Energy Research Institute, Daejeon, Korea, South) / Sung-Woo Kim (Korea Atomic Energy Research Institute, Daejeon, Korea, South) / Seong Sik Hwang (Korea Atomic Energy Research Institute, Daejeon, Korea, South): Analysis of the dislocation densities and its effect on the PWSCC in cold-rolled Alloy 690
17:20	75512	Salma El Euch (Sorbonnes Universités, France) / Eliane Sutter (Sorbonne Universités, France) / Mai Tran (Sorbonne Universités, France) / Vincent Vivier (Sorbonne Universités, France) / Nathalie Engler (Areva NP La Défense, Paris, France) / Antoine Marion (Areva NP La Défense, Paris, France): Electrochemical characterization of the oxide film formed at room temperature on the 690 TT alloy
17:40	91001	Cécilie Duhamel (MINES ParisTech, Evry, France) / Mickaël Wehbi (MINES ParisTech / EDF, Evry / Moret-sur-Loing, France) / Jacqueline Caballro Hinostraza (MINES ParisTech / EDF, Evry / Moret-sur-Loing, France) / Thierry Couvant (EDF, Moret-sur-Loing, France) / Jérôme Crépin (MINES ParisTech, Evry, France): Grain boundary oxidation of nickel base alloys in simulated PWR primary water
18:00	89501	Léa Bataillon (CEA, Gif-sur-Yvette, France) / Clara Desgranges (Safran-Tech, Magny les Hameaux, France) / Laure Martinelli (CEA, Gif-sur-Yvette, France) / Daniel Monceau (CIRIMAT, Toulouse, France): Modelling of the effect of grain boundary diffusion on the oxidation of Ni-Cr alloys at high temperature
18:30		Poster Party (Forum Hall Foyer)

Meeting Hall IA		Corrosion and Scale Inhibition
	Chair(s)	G. Schmitt, W. Hater
9:20	75711	Per-Erik Hellberg (Akzo Nobel Surface Chemistry AB, Stenungsund, Sweden) / Monika Walczak (The University of Manchester, United Kingdom) / Robert Lindsay (The University of Manchester, United Kingdom): Phosphate esters as inhibitors of oilfield corrosion
9:40	76031	Monika S. Walczak (The University of Manchester, United Kingdom) / Robert Lindsay (The University of Manchester, United Kingdom) / Per-Erik Hellberg (AkzoNobel Surface Chemistry AB, Stenungsund, Sweden): Understanding the corrosion inhibition performance of phosphate esters
10:00	85591	Sviatlana Lamaka (Magnesium Innovation Centre - MagIC, Helmholtz-Zentrum Geesthacht, Geesthacht) / Bahram Vaghefinazari (Magnesium Innovation Centre - MagIC, Helmholtz-Zentrum Geesthacht, Geesthacht) / Di Mei (Magnesium Innovation Centre - MagIC, Helmholtz-Zentrum Geesthacht, Geesthacht) / Daniel Hoeche (Magnesium Innovation Centre - MagIC, Helmholtz-Zentrum Geesthacht, Geesthacht) / Mikhail Zheludkevich (Magnesium Innovation Centre - MagIC, Helmholtz-Zentrum Geesthacht, Geesthacht): Comprehensive database of Mg corrosion inhibitors
10:20		Coffee break
Meeting Hall IA		Corrosion and Scale Inhibition
	Chair(s)	G. Schmitt, W. Hater
10:50	82101	Haitao Fang (Baker Hughes, Sugar Land, United States of America) / Tracey Jackson (Baker Hughes, Sugar Land, United States of America) / Michael Whiteside (Baker Hughes, Sugar Land, United States of America) / Sandra Hernandez (Chevron, Houston, United States of America) / Peter Kearns (Baker Hughes, Sugar Land, United States of America): Corrosion inhibitor selection study for topside unit of a subsea platform
11:10	85241	Katerina Lepkova (Curtin University, Perth, Australia): Chemical inhibition of carbon steel corrosion: Novel approaches to analysis of corrosion-inhibitor films
11:30	78232	Natalie Wint (Swansea University, United Kingdom) / James Sullivan (Swansea University, United Kingdom): L-tryptophan as an inhibitor of aqueous zinc corrosion
11:50	89881	Yahya T. Al-Janabi (Saudi Aramco, Dhahran, Saudi Arabia) / AbdulHadi S. Khuraidah (Saudi Aramco, Dhahran, Saudi Arabia) / Qiwei Wang (Saudi Aramco, Dhahran, Saudi Arabia): Multipurpose oilfield chemical inhibitors
12:10		Lunch
Meeting Hall IA		Corrosion and Scale Inhibition

	Chair(s)	<i>G. Schmitt, W. Hater</i>
13:30	74367	Argyro Spinthaki (University of Crete, Greece) / George Petratos (University of Crete, Greece) / Juergen Matheis (Kurita, Ludwigshafen) / Wolfgang Hater (Kurita, Ludwigshafen) / Konstantinos Demadis (University of Crete, Greece): Inhibition studies of anionic macromolecules in magnesium silicate formation, simulating geothermal systems
13:50	72901	Ambrish Singh (Southwest Petroleum University, China) / Yuanhua Lin (Southwest Petroleum University, China): HPHT autoclave, electrochemical, surface and quantum chemical studies to investigate a polymer as corrosion inhibitor for N80 steel in sweet corrosive environment
14:10	78591	Ime Obot (King Fahd University of Petroleum and Minerals, Saudi Arabia): Computational discovery of water-soluble green food additives (pyrazines) as promising corrosion inhibitors in acidizing oilfield environment
14:30	73732	Min Du (Ocean University of China, China) / Yuhong Zhao (Ocean University of China, China) / Jing Zhang (Ocean University of China, China): Corrosion inhibition of imidazoline derivative on under-deposit corrosion of P110 steel in oil produced water with CO2
14:50	78361	Daquan Zhang (Shanghai University of Electric Power, China) / Yizhen Wang (Shanghai university of electric power, China) / Lixin Gao (Shanghai University of Electric Power, China) / Cheng Shi (Shanghai University of Electric Power, China) / Yinze Yu (Shanghai University of Electric Power, China): The role of cuprous ions on the click-assembled triazole membrane for corrosion prevention of copper
15:10	75776	Saviour Umoren (King Fahd University of Petroleum and Minerals, Saudi Arabia): Corrosion inhibition by cyclic cationic polyelectrolyte for low carbon steel in 15% HCl solution and synergistic effect of some additives
15:30	76246	Anthony Somers (Deakin University, Australia) / Glen Deacon (Monash University, Australia) / Alison Chong (Monash University, Australia) / Bruce Hinton (Deakin University, Australia) / Douglas Macfarlane (Monash University, Australia) / Maria Forsyth (Deakin University, Australia): Developments in organic corrosion inhibitors for mild steel
15:50		Coffee break
Meeting Hall IA		Corrosion and Scale Inhibition
	Chair(s)	<i>G. Schmitt, W. Hater</i>
16:20	72826	Hong-Hua Ge (Shanghai University of Electric Power, China) / Feng Wang (Shanghai University of Electric Power, China) / Kai Wu (Shanghai University of Electric Power, China): Corrosion behaviour of brass in Al2O3 nanofluid
16:40	85381	Hongwei Shi (Institute of Metal Research, Chinese Academy of Sciences, China) / Fuchun Liu (Institute of Metal Research, Chinese Academy of Sciences, China) / En-Hou Han (Institute of Metal Research, Chinese Academy of Sciences, China): Cerium tartrate as an effective inhibitor pigment for protection of AA 2024-T3
17:00	88171	Isabella Pacifico Aquino (Centro Universitário FEI, Brazil) / Vera Rosa Capelossi (Universidade Estadual de Santa Cruz, Brazil) / Yasmin de Carvalho Bergamo (Centro Universitário FEI, Brazil) / Rodolfo Rodrigues Gomes (Centro Universitário FEI, Brazil) / Idalina Vieira Aoki (Escola Politécnica da Universidade de São Paulo, Brazil): Comparative study of natural corrosion inhibitors for carbon steel in acidic medium
17:20	90521	Jagadeesh Bhattarai (Tribhuvan University, Nepal) / Ramesh Regmi (Tribhuvan University, Nepal) / Mohan Raj Bhattarai (Tribhuvan University, Nepal) / Susan Joshi (Tribhuvan University, Nepal): Corrosion inhibition effect of green materials on the passivation behavior of mild steel in aggressive solutions
17:40		WP 1 meeting
18:30		Poster Party (Forum Hall Foyer)

Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>S. Paterson/A. Groysman</i>
9:20	81931	Emir Mujanović (Montanuniversität Leoben, Austria) / Gregor Mori (Montanuniversität Leoben, Austria) / Bojan Zajec (Zavod za gradbeništvo Slovenije, Slovenia) / Mirjam Leban (Zavod za gradbeništvo Slovenije, Slovenia) / Tadeja Kosec (Zavod za gradbeništvo Slovenije, Slovenia) / Stefan Hönig (OMV Exploration and Production GmbH, Gänserndorf, Austria) / Gerald Zehethofer (OMV Exploration and Production GmbH, Gänserndorf, Austria): Activation and repassivation of stainless steels in artificial brines
9:40	87831	Manel Rodriguez Ripoll (AC2T research GmbH, Wiener Neustadt, Austria) / Andreas Trausmuth (AC2T research GmbH, Wiener Neustadt, Austria) / Gerald Zehethofer (OMV Exploration & Production GmbH, Gänserndorf, Austria) / Ronald Schöngrundner (voestalpine Tubulars GmbH & Co KG, Kindberg-Aumühl, Austria) / Ewald Badisch (AC2T research GmbH, Wiener Neustadt, Austria): Synergistic effects between wear and CO2 corrosion in low-alloy carbon steel
10:00	97186	Attila Palencsar (IFE, Kjeller, Norway) / Marion Seiersten (IFE, Kjeller, Norway) / Tonje Berntsen (Statoil AS, Oslo, Norway) / Tor Hemmingsen (University of Stavanger, Stavanger, Norway): Assessment of pH stabilization in low temperature regions of long subsea pipelines
10:20		Coffee break
Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>M. Wilms/A. Groysman</i>
10:50	90101	Gareth Hinds (NPL, London, United Kingdom) / James Hesketh (NPL, London, United Kingdom) / Alan Turnbull (NPL, London, United Kingdom): Experimental validation of pH models for oil and gas applications
11:10	82221	Robert Lindsay (University of Manchester, United Kingdom) / Matthew Acres (University of Manchester, United Kingdom) / Hadeel Hussain (University of Manchester, United Kingdom) / Christopher Muryn (University of Manchester, United Kingdom): A surface science approach to oilfield corrosion

11:30	72467	Sikiru Adepoju Mohammed (University of Leeds, United Kingdom) / Richard Barker (University of Leeds, United Kingdom) / Anne Neville (University of Leeds, United Kingdom) / Yong Hua (University of Leeds, United Kingdom): Investigating healing of reproducible shallow pits on x65 carbon steel in sweet oil and gas environment
11:50	78117	Xiankang Zhong (Southwest Petroleum University, China) / Junying Hu (Southwest Petroleum University, China) / Siyu Yu (Southwest Petroleum University, China) / Longjun Chen (Southwest Petroleum University, China): Corrosion mechanisms of titanium in HCl-acidizing fluid used in natural gas exploitation
12:10		Lunch
Club A		Corrosion in Oil & Gas Production
	Chair(s)	M. Wilms/S. Paterson
13:30	90546	Chong Sun (University of Alberta, Canada) / Lu Gong (University of Alberta, Canada) / Michael Leitch (RGL Reservoir Management Inc., Edmonton, Canada) / Hongbo Zeng (University of Alberta, Canada) / Jingli Luo (University of Alberta, Canada): Characterizations of electroless Ni-P coating on carbon steel liner pipe for applications in oil and gas industry
13:50	89576	Zoltan Lukacs (Indexon Ltd., Szeged, Hungary) / Krisztián Szántó (University of Pannonia, Hungary) / Tamás Kristóf (University of Pannonia, Hungary): Application of 2N design of experiment method for the evaluation of the efficiency and cross-effects of oilfield chemicals
14:10	72996	Satoshi Wakai (Kobe University, Japan): Microbial corrosion by iron-corrosive methanogen and biocidal effect of glutaraldehyde analogs
14:30	80646	Kiran Kousar (University of Manchester, United Kingdom) / Thomas Ljungdahl (AkzoNobel Surface Chemistry, Stenungsund, Sweden) / Robert Lindsay (The University of Manchester, United Kingdom): Elucidating the performance of N-containing corrosion inhibitors
14:50	75082	Robert Melchers (University of Newcastle, Australia) / Xiang Wang (The University of Newcastle, Australia): The relative influence of MIC in the channelling corrosion of water injection pipelines (WIPs)
15:10	93647	Joscha Weinert (University of Applied Sciences Munich, Germany) / Daniel Löschner (University of Applied Sciences Munich, Germany) / Stefanos Gkatzogiannis (Karlsruhe Institute of Technology, Karlsruhe, Germany) / Imke Engelhardt (University of Applied Sciences Munich, Germany) / Peter Knödel (Karlsruhe Institute of Technology, Germany) / Thomas Ummenhofer (Karlsruhe Institute of Technology, Germany): Influence of seawater corrosion on the fatigue strength of High frequency hammerpeened (HFH-treated) welded joints
15:30	81486	Tiphaine Lutzler (University of Leeds, United Kingdom) / Andres alejo-Rodriguez (EPG-AG-Succursale France, Henriville, France) / Thibaut Charpentier (University of Leeds, United Kingdom) / Heike Schneider (EPG-AG Succursale France, Henriville, France) / Anne Neville (University of Leeds, United Kingdom): Improvement of sol-gel coatings and their anti-corrosion properties by doping with titanium precursors
15:50		Coffee break
Club A		Corrosion in Oil & Gas Production
	Chair(s)	M. Wilms/ I. Winning
16:20		WP13 meeting
18:30		Poster Party (Forum Hall Foyer)

Club C		Tribocorrosion
	Chair(s)	S. Mischler
9:20	77466	Vladimir Totolin (AC2T research GmbH, Wiener Neustadt, Austria) / Hakan Göcerler (AC2T research GmbH, Wiener Neustadt, Austria) / Manel Rodríguez Ripoll (AC2T research GmbH, Wiener Neustadt, Austria) / Martin Jech (AC2T research GmbH, Wiener Neustadt, Austria): The role of ferric oxide nanoparticles in improving lubricity and tribo-electrochemical performance during chemical-mechanical polishing
9:40	82621	Javier Navarro Laboulais (UPV, Valencia, Spain) / Alba Dalmau Borrás (UPV, Valencia, Spain) / Alejandro Roda Buch (UPV, Valencia, Spain) / Andrés Rovira (UPV, Valencia, Spain) / Salvador Cardona (UPV, Valencia, Spain) / Anna Igual Muñoz (UPV, Valencia, Spain): Numerical model for describing the time evolution of wear in a tribocorrosion system
10:00	82296	Ramesh Chinnakurli Suryanarayana (Alliance University, Bangalore, India) / Pradeep kumar G S (Dayananda Sagar College of Engineering, Bangalore, India) / keshavamurthy R (Dayananda Sagar College of Engineering, Bangalore, India): Erosion-Corrosion Behaviour of Aluminium based In-situ Metal Matrix Composites
10:20		Coffee break
Club C		Tribocorrosion
	Chair(s)	S. Mischler
10:50	87996	Aida Milena Echavaria Garcia (Universidad de Antioquía, Medellín, Colombia) / Marie Pierre Licausi (UPV, Valencia, Spain) / Gilberto Bejarano Gaitan (Universidad de Antioquía, Medellín, Colombia) / Anna Igual Muñoz (UPV, Valencia, Spain): Influence of the Ag content on the tribocorrosion behaviour of TaN-xAg multilayer coatings on the AISI 316L Stainless steel for biomedical applications
11:10	99600	Javiera Aguirre (Pontificia Universidad Católica de Chile, Santiago, Chile) / Magdalena Walczak (Pontificia Universidad Católica de Chile, Santiago, Chile): Multiparameter study of erosion-corrosion wear of a low carbon steel by slurry of copper tailing
11:30	79856	Shoufan Cao (Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland) / Stefano Mischler (Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland): Tribocorrosion modeling of CoCrMo alloys as applied to the wear of metal-on-metal artificial hip joints

12:10	Lunch
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Club C		Corrosion of Archaeological and Historical Artefacts
	<i>Chair(s)</i>	<i>D. Neff/V. Gouda</i>
13:30	77271	<u>Christofer Leygraf</u> (KTH - Royal Institute of Technology, Sweden) / <u>Tingru Chang</u> (KTH Royal Institute of Technology, Sweden) / <u>Inger Odnevall Wallinder</u> (KTH Royal Institute of Technology, Sweden) / <u>Daniel de la Fuente</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain) / <u>Belen Chico</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain) / <u>Ivan Diaz</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain) / <u>Manuel Morcillo</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain): Analysis of historic copper patinas 1: Influence of substrate on patina uniformity
13:50	76701	<u>Belen Chico</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain) / <u>Daniel de la Fuente</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain) / <u>Jose Antonio Jiménez</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain) / <u>Tingru Chang</u> (KTH Royal Institute of Technology, Sweden) / <u>Inger Odnevall Wallinder</u> (KTH Royal Institute of Technology, Sweden) / <u>Christofer Leygraf</u> (KTH Royal Institute of Technology, Sweden) / <u>Manuel Morcillo</u> (National Centre for Metallurgical Research (CENIM/CSIC), Madrid, Spain): Analysis of historic copper patinas 2: Characterization of 400 year old patina from royal Summer Palace in Prague
14:10	83721	<u>Pavol Rak</u> (University of Chemistry and Technology, Prague, Czech Republic) / <u>Richard Bureš</u> (University of Chemistry and Technology, Prague, Czech Republic) / <u>Jan Švadlena</u> (University of Chemistry and Technology, Prague, Czech Republic) / <u>Jan Stoullil</u> (University of Chemistry and Technology, Prague, Czech Republic): Preparation of stable artificial copper patina
14:30	93717	<u>Olga Papadopoulou</u> (National Technical University of Athens (NTUA), Greece) / <u>Panayota Vassiliou</u> (National Technical University of Athens, Greece): Electrochemical behaviour of ancient-like ternary Cu alloys in aqueous chloride media
14:50	81296	<u>Venice Kamel Gouda</u> (National Research Centre, Dokki, Cairo, Egypt) / <u>Nabil Abdel Ghany</u> (National Research Centre, Dokki, Cairo, Egypt) / <u>Gehan Youssef</u> (National Research Centre, Dokki, Cairo, Egypt) / <u>Mohamed Shehata</u> (National Research Centre, Dokki, Cairo, Egypt): Archaeometallurgical Characterization and Corrosion of Ancient Egyptian Bronze Coins
15:10	94737	<u>Ahmed Elsayed</u> (Politecnico di Torino, Italy) / <u>Emma Angelini</u> (Politecnico di Torino, Italy) / <u>Sabrina Grassini</u> (Politecnico di Torino, Italy): Study of the corrosion mechanism of ancient bronze coins from the archaeological site of Fustat in Egypt
15:30	76591	<u>Celine Remazeilles</u> (Universite de La Rochelle, France) / <u>Véronique Langlet-Marzloff</u> (CREAM, Vienne, France) / <u>Guillaume Lotte</u> (LaSIE/University of La Rochelle, France) / <u>Christophe Deshayes</u> (CEMES, Toulouse, France) / <u>Luc Robbiola</u> (TRACES/University of Toulouse, France): Phases of the Cu-Sn-S ternary system as corrosion products of archaeological bronze objects
15:50		Coffee break
Club C		Corrosion of Archaeological and Historical Artefacts
	<i>Chair(s)</i>	<i>D. Watkinson/S. Grassini</i>
16:20	82586	<u>Elisabetta Di Francia</u> (Politecnico di Torino, Italy) / <u>Ruth Lahoz</u> (Universidad de Zaragoza, Spain) / <u>Delphine Neff</u> (CEA/CNRS/U Paris-Saclay, France) / <u>Sabrina Grassini</u> (Politecnico di Torino, Italy) / <u>Emma Angelini</u> (Politecnico di Torino, Italy) / <u>Marco Parvis</u> (Politecnico di Torino, Italy): Study of laser cleaning of corrosion layers on bronze archaeological artefacts
16:40	73876	<u>Djiby Ba</u> (Université Paris Saclay, France) / <u>Delphine Neff</u> (Université Paris Saclay, France) / <u>Marine Bayle</u> (A-CORROS Expertise Pôle technologique ARCHEOMED, France) / <u>Jean-Paul Gallien</u> (Université Paris Saclay, France) / <u>Jean-Bernard Memet</u> (A-CORROS Expertise Pôle technologique ARCHEOMED, France) / <u>Philippe De Viviés</u> (A-CORROS Expertise Pôle technologique ARCHEOMED, France): Influence of subcritical treatment on the transformation and stabilization of copper corrosion products in an archaeological environment
17:00	89201	<u>Parastou Naeimi Taraei</u> (Art University of Isfahan, Iran) / <u>Mohammad Amin Emami</u> (Art University of Isfahan, Iran) / <u>Abolghasem Dolati</u> (Sharif University of Technology, Iran): Study of corrosion process of iron-bronze bimetallic artifacts belonged to the first millennium BC
17:20	94927	<u>Paola Letardi</u> (Istituto di Scienze Marine Consiglio Nazionale delle Ricerche CNR-ISMAR, Genova, Italy) / <u>Blanca Ramirez Barat</u> (CENIM-CSIC, Madrid, Spain) / <u>Emilio Cano</u> (CENIM-CSIC, Madrid, Spain): Analysis of the influence of the electrochemical cell setup for corrosion measurements on metallic cultural heritage
17:40	88151	<u>Nicola Emmerson</u> (Cardiff University, United Kingdom) / <u>David Watkinson</u> (Cardiff University, United Kingdom) / <u>Anastasia Gkouma</u> (Cardiff University, United Kingdom): Investigation of the natural plant extract <i>Emblica officinalis</i> for chloride release from β-FeOOH
18:00	79181	<u>Yolaine Tissier</u> (Ifsttar, LRMH, LISE, Champs-sur-Marne, France) / <u>Véronique Bouteiller</u> (Ifsttar, Champs sur Marne, France) / <u>Elisabeth Marie Victoire</u> (LRMH, Champs sur Marne, France) / <u>Suzanne Joiret</u> (UPMC, LISE, Paris, France) / <u>Thierry Chaussadent</u> (Ifsttar, Champs sur Marne, France): Study of an electrochemical chloride extraction treatment on a both carbonated and chlorinated reinforced concrete
18:30		Poster Party (Forum Hall Foyer)

Club B		Corrosion by Hot Gases
	<i>Chair(s)</i>	<i>M. Galetz</i>

9:20	92957	Makoto Nanko (Nagaoka University of Technology, Japan) / Suguru Matsuura (Nagaoka University of Technology, Japan) / Masaki Kurata (Japan Atomic Energy Agency, Tokai, Ibaraki, Japan): Recession of ZrO₂ scale on Zircaloy cladding in molten metals consisting of stainless steel and B4C
9:40	90201	HanJin Ryu (POSCO, 790300, Korea): Corrosion resistance of stainless steel in highly concentrated sulfuric acid solution
10:00	75097	Dae Won Yun (Korea Institute of Materials Science, Changwon, Korea) / Young Soo Yoo (Korea Institute of Materials Science, Changwon, Korea) / Hi Won Jeong (Korea Institute of Materials Science, Changwon, Korea) / Seong Moon Seo (Korea Institute of Materials Science, Changwon, Korea): The Effect of B on the cyclic oxidation of solid-solution strengthened Ni-base superalloys with La
10:20		Coffee break
Club B		Corrosion by Hot Gases
	Chair(s)	<i>M. Galetz</i>
10:50	74212	Valérie Parry (Univ. Grenoble Alpes, CNRS, SIMaP, Grenoble, France) / Audrey Col (Univ. Grenoble Alpes, CNRS, SIMaP, Grenoble, France) / Céline Pascal (Univ. Grenoble Alpes, CNRS, SIMaP, Grenoble, France): Does cold working improve the long term oxidation resistance of AISI 304L at 830 °C in O₂ atmosphere?
11:10	74842	Celine Pascal (Univ. Grenoble Alpes, SIMaP, Saint Martin d'Hères, France) / Audrey COL (Univ. Grenoble Alpes, SIMaP, Grenoble, France) / Valerie Parry (Univ. Grenoble Alpes, SIMaP, Grenoble, France): Oxidation of AISI 304L austenitic stainless steel at 850°C in O₂: Microstructure evolution after breakdown of the Cr-rich oxide scale
11:30	79276	Maria Mosquera Feijoo (Bundesanstalt für Materialforschung und –prüfung (BAM), Berlin) / Axel Kranzmann (Bundesanstalt für Materialforschung und –prüfung (BAM), Berlin): Cr and Co distribution in 12-13 % Cr alloys after single and dual corrosion experiments
11:50		WP 3 meeting
12:10		Lunch
Club B		Coatings for High Temperatures
	Chair(s)	<i>J. Lehmusto</i>
13:30	79361	Sebastien Mercier (ONERA Chatillon, Chatillon Cedex, France) / Odile Lavigne (ONERA, chatillon, France) / Etienne Rimpot (ONERA, Chatillon, France) / Claire Sanchez (ONERA, Chatillon, France): High temperature oxidation properties of diffused platinum coatings on Re-rich Ni base superalloys
13:50	71946	Fred Rodijnen (Oerlikon Metco Europe GmbH, Kelsterbach, Netherlands): Thermal spray coatings for protection against oxidation and corrosion
14:10	82726	Benjamin Grégoire (Université de La Rochelle, France) / Xabier Montero (DECHEMA-Forschungsinstitut, Frankfurt am Main) / Mathias C. Galetz (DECHEMA-Forschungsinstitut, Frankfurt am Main) / Gilles Bonnet (Université de La Rochelle, France) / Fernando Pedraza (Université de La Rochelle, France): On the hot corrosion resistance of simple and modified slurry aluminide diffusion coatings elaborated on pure Ni at 700°C
14:30	75866	Fernando Pedraza (Université de La Rochelle, France) / Claire Boulesteix (Université de La Rochelle, France) / Wencke Schulz (BAM, Berlin) / Axel Kranzmann (BAM, Berlin) / Francisco Pérez (Universidad Complutense de Madrid, Spain): Slurry intermetallic aluminides in stem and oxyfuel conditions
14:50	86656	Stefano Caporali (University of Florence, Firenze, Italy) / Luca Tagliaferri (Turbocoating s.p.a, Rubbiano di Solignano, Italy) / Enrico Berretti (Università di Firenze, Sesto Fiorentino, Italy) / Andrea Giaccherini (Università di Firenze, Sesto Fiorentino, Italy) / Stefano Martinuzzi (Università di Firenze, Sesto Fiorentino, Italy) / Ugo Bardi (Università di Firenze, Sesto Fiorentino, Italy) / Francesco Bozza (Turbocoating s.p.a, Rubbiano di Solignano, Italy) / Martin Thoma (MT Consulting, Munich): Inconel738 aluminizing via ionic liquid electrodeposition and pack cementation: A comparative corrosion study
15:10	72886	Makoto Kawase (Central Research Institute of Electric Power Industry (CRIEPI), YOKOSUKA, Japan) / Masahiro Morinaga (Central Research Institute of Electric Power Industry (CRIEPI), YOKOSUKA, Japan): Development of coating technology for preventing sulfide corrosion on boiler tubes in thermal power plants
15:30	99645	Geogy Abraham (Federal Institute for Materials Research and Testing, Berlin) / Axel Kranzmann (Federal Institute for Materials Research and Testing, Berlin) / Gabriele Oder (Federal Institute for Materials Research and Testing, Berlin) / Rene Hesse (Federal Institute for Materials Research and Testing, Berlin) / Michaela Buchheim (Federal Institute for Materials Research and Testing, Berlin): Effect of water vapour on high temperature oxidation behaviour of P92 steels in dual gas environment
15:50		Coffee break
Club B		Coatings for High Temperatures
	Chair(s)	<i>J. Lehmusto</i>
16:20	77932	Claire Boulesteix (Université de La Rochelle, France) / Vladislav Kolarik (Fraunhofer-Institut für Chemische Technologie, PFINTAL) / Fernando Pedraza (Université de La Rochelle, France): On the role of pressure on the oxidation of aluminide coatings in steam
16:40	78886	Tobias Meißner (DECHEMA-Forschungsinstitut, Frankfurt am Main) / Mathias Galetz (DECHEMA-Forschungsinstitut, Frankfurt am Main): Diffusion coatings for corrosion protection of nickel-plated steels for biomass combustion plants
17:00	82416	Germain Boissonnet (Université de La Rochelle, France) / Gilles Bonnet (Université de La Rochelle, France) / Josseline Balmain (Université de La Rochelle, France) / Fernando Pedraza (Université de La Rochelle, France): Effect of CMAS attack on APS YSZ coatings and resulting modification on thermal insulation ability
17:20	83746	Li Xin (Institute of Metal Research, Chinese Academy of Sciences, China) / Mingming Zhang (Institute of Metal Research, Chinese Academy of Sciences, China) / Shenglong Zhu (Institute of Metal Research, Chinese Academy of Sciences, China) / Fuhui Wang (Institute of Metal Research, Chinese Academy of Sciences, China): Influences of thick TiAlN single layer and TiAlN/Ti multi-layer coatings on high temperature corrosion resistance of titanium alloy in the presence of solid NaCl, O₂ and water vapor

17:40	78002	Shuijiang Geng (Northeastern University, China): Oxidation behavior of pre-oxidized ferritic stainless steel interconnect with Mn1.7Cu1.3 coating by magnetron sputtering
18:00	73712	Minghui Chen (Northeastern University, China) / Fuhui Wang (Northeastern University, China) / Shenglong Zhu (Institute of Metal Research, Chinese Academy of Sciences, China): Nanocrystalline coatings protecting single-crystal superalloys from high-temperature oxidation
18:30		Poster Party (Forum Hall Foyer)

Terrace 2		Corrosion Control in Aerospace
	Chair(s)	<i>M. Zheludkevich</i>
9:20	89326	Marie-Laetitia de Bonfils-Lahovary (CIRIMAT ENSIACET, Toulouse, France) / Manon Chloé Lafouresse (CIRIMAT ENSIACET, Toulouse, France) / Jérôme Delfosse (AIRBUS GROUP INNOVATIONS, Suresne, France) / Lydia Laffont (CIRIMAT ENSIACET, Toulouse, France) / Eric Andrieu (CIRIMAT ENSIACET, Toulouse, France) / Christine Blanc (CIRIMAT ENSIACET, Toulouse, France): Influence of hydrogen on the propagation kinetics of intergranular corrosion defects in a 2024 T351 aluminium alloy
9:40	85896	Jennifer Onovbaramwen Usiobo (University of Manchester, United Kingdom) / Xiaorong Zhou (University of Manchester, United Kingdom) / Pamela Thomson (Airbus UK, Broughton, United Kingdom) / Manuel Salazar (Airbus UK, Broughton, United Kingdom): The influence of surface microstructure on the localized corrosion behaviour of aluminium alloy AA7449-T7951
10:00	96707	Thomas Sanchez (Chimie ParisTech, France) / Viacheslav Shkirskiy (Chimie ParisTech, France) / Jolanta Swiatowska (Chimie ParisTech, France) / Jacques Echouard (Safran Landing Systems, Paris, France) / Polina Volovitch (Chimie ParisTech, France): Organic coatings delamination from ZnNi for aeronautic application
10:20		Coffee break
Terrace 2		Corrosion Control in Aerospace
	Chair(s)	<i>T.Hack</i>
10:50	97832	Maikki Cullen (Dublin Institute of Technology, Ireland) / Brendan Duffy (Dublin Institute of Technology, Ireland) / Mohamed Oubaha (Dublin Institute of Technology, Ireland): Relationship between the structure and anticorrosion properties of hybrid sol-gel coatings: Application to the protection of AA2024-T3 alloys in aggressive alkaline environments
11:10	75936	Joao Tedim (University of Aveiro, Portugal) / Isabel Sousa (University of Aveiro, Portugal) / Tiago Galvão (University of Aveiro, Portugal) / Manon Wilhelm (University of Aveiro, Portugal) / Alexandre Bastos (University of Aveiro, Portugal) / Nico Scharnagl (Helmholtz-Zentrum Geesthacht GmbH, Geesthacht) / Vladimir Spacek (SYNPO, Pardubice, Czech Republic) / Frederico Maia (Smallmatek Lda., Aveiro, Portugal) / Mário Ferreira (University of Aveiro, Portugal): Development of nanostructured additives for detection of corrosion in alloys used in aeronautical applications
11:30	86341	Ivan Medvedev (All-Russian Scientific-Research Institute of Aviation Materials (FSUE, Moscow, Russia): The development of optical fiber sensors for monitoring corrosion of aluminum alloys
11:50		WP 22 meeting
12:10		Lunch

Terrace 2		Accelerated Atmospheric Corrosion Testing - The way forward
	Chair(s)	<i>D. Thierry / T. Hack</i>
13:30	96342	Keynote lecture. Mats Ström (Volvo Car Group, Göteborg, Sweden): Important aspects in quality assurance of modern accelerated atmospheric corrosion testing
14:10	74552	Victoria Matres (ACERINOX EUROPA S.A.U., Palmones-Los Barrios, Spain): Stainless steels and accelerated tests
14:30	97076	James Dante (Southwest Research Institute, San Antonio, United States of America) / Marta Zuflacht (Southwest Research Institute, San Antonio, United States of America): The role of cyclic relative humidity in driving coating delamination and subsequent corrosion damage morphology
14:50	80051	Georg Hölzl (CEST Competence Center for Electrochemical Surface Technology, Linz, Austria) / Gerald Luckeneder (voestalpine Stahl GmbH, Linz, Austria) / Hubert Duchaczek (voestalpine Stahl GmbH, Linz, Austria) / Karl-Heinz Stellnberger (voestalpine Stahl GmbH, Linz, Austria) / Achim Walter Hassel (Johannes Kepler University Linz, Linz, Austria) / Christoph Kleber (CEST Competence Center for Electrochemical Surface Technology, Linz, Austria): Weathering experiments and weathering cells - a two-step approach to study the atmospheric corrosion behavior of zinc coatings
15:10	95792	Andreas Heyn (Otto-von-Guericke-Universität Magdeburg, Magdeburg): Statistical exploration of data from weather stations for an estimation of time of wetness and long term corrosion rates of zinc and galvanized steel
15:30	93442	Zdenek Bartak (SVUOM Ltd., Prague, Czech Republic) / Libor Turek (SVUOM Ltd., Prague, Czech Republic) / Katerina Kreislova (SVUOM Ltd., Prague, Czech Republic): Comparison of field and accelerated corrosion tests of zinc alloyed coatings
15:50		Coffee break
Terrace 2		Accelerated Atmospheric Corrosion Testing - The way forward
	Chair(s)	<i>T. Hack/E. Szala</i>

16:20	83596	Keynote lecture. Nathalie le Bozec (French corrosion institute, Brest, France) / Fabienne Peltier (French Corrosion Institute, Brest, France) / <u>Dominique Thierry</u> (French Corrosion Institute, Brest, France): Accelerated corrosion testing: Can we transfer knowledge from the automotive to the aerospace industry?
17:00	81551	Sean Fowler (Q-Lab Corporation, Westlake Ohio, United States of America): Laboratory tests for atmospheric corrosion: Keys to achieve realism and reproducibility
17:20	98210	<u>Manuel Garcia-Rubio</u> (Airbus Operations S.L. Interior and Surface Technology, Getafe, Spain): Tailoring cyclic tests relevant for corrosion and ageing of aircraft structure
17:40	77722	<u>Herman Terryn</u> (Vrije Universiteit Brussel, Belgium) / Hans Simillion (Vrije Universiteit Brussel, Belgium) / Nils Van den Steen (Vrije Universiteit Brussel, Belgium) / Rodrigo Montoya (Vrije Universiteit Brussel, Belgium) / Darja Pecko (Vrije Universiteit Brussels, Belgium) / Daan De Wilde (Vrije Universiteit Brussel, Belgium) / Johan Deconinck (Vrije Universiteit Brussels, Belgium): Advanced electrochemical modelling of atmospheric corrosion under thin film electrochemistry
18:30		Poster Party (Forum Hall Foyer)

North Hall		Cathodic Protection
	Chair(s)	<i>M. Roche/J. Crouzillac</i>
9:20	72671	<u>Askar Soltani</u> (Islamic Azad University, Tehran, Iran) / Ali Reza Abbasi (Islamic Azad University, Iran): -850 mV CP applied controversial criterion in protecting bare bottom plates of large storage tanks in South Pars Gas Complex, trustworthy or deceptive?
9:40	77877	<u>Reza Ghorbani</u> (South Pars Gas Complex Co., Shiraz, Iran) / Rahmatallah Omid (2R Inspection & Quality Services, Shiraz, Iran) / Seyed Omid Razavizadeh (Sharif University of Technology, Tehran, Iran): A case study on mmo anode failure of an above ground storage tank bottom plate
10:00	94582	<u>Mehdi Attarchi</u> (Borna Electronics Co., Tehran, Iran): Instant off potential analysis in cathodic protection of coated tank bottom
10:20		Coffee break
North Hall		Cathodic Protection
	Chair(s)	<i>M. Roche/J. Crouzillac</i>
10:50	82566	<u>Sven Morten Hesjevik</u> (Statoil, Trondheim, Norway) / Stein Trygve Briskeby (Statoil, Trondheim, Norway) / Ole Øystein Knudsen (SINTEF, Trondheim, Norway): Cathodic protection with thermally sprayed metal coatings

North Hall		Corrosion of Biomaterials
	Chair(s)	<i>E. Angelini / A.W.Hassel</i>
11:30	87686	<u>Michael Höhlinger</u> (University of Erlangen-Nuremberg, Erlangen) / Victoria Wagener (University of Erlangen-Nuremberg, Erlangen) / Svenja Heise (University of Erlangen-Nuremberg, Erlangen) / Aldo R. Boccaccini (University of Erlangen-Nuremberg, Erlangen) / Sannakaisa Virtanen (University of Erlangen-Nuremberg, Erlangen): Long term immersion study and new coating approaches to control biodegradation of a WE43 Mg alloy
11:50	72172	<u>Marta Mohedano</u> (Universidad Complutense, Madrid, Spain) / Berengere Luthringer (Helmholtz-Zentrum, Geesthacht) / Beatriz Mingo (Universidad Complutense, Madrid, Spain) / Frank Feyerabend (Helmholtz-Zentrum, Geesthacht) / Raul Arrabal (Universidad Complutense, Madrid, Spain) / Pedro Sanchez Ejido (Universidad Complutense, Madrid, Spain) / Regine Willumeit-Römer (Helmholtz-Zentrum, Geesthacht) / Mikhail Zheludkevich (Helmholtz-Zentrum, Geesthacht) / Endzhe Matykina (Universidad Complutense, Madrid, Spain): Bioactive plasma electrolytic oxidation coatings on aluminium-free magnesium alloys
12:10		Lunch
North Hall		Corrosion of Biomaterials
	Chair(s)	<i>E. Angelini / A.W.Hassel</i>
13:30	72131	<u>Junjie Yang</u> (Harbin Institute of Technology, China) / Xiaopeng Lu (Institute of Materials Research, Helmholtz-Zentrum Geesthacht, Geesthacht) / Carsten Blawert (Institute of Materials Research, Helmholtz-Zentrum Geesthacht, Geesthacht) / Shichun Di (Harbin Institute of Technology, China) / Mikhail Zheludkevich (Institute of Materials Research, Helmholtz-Zentrum Geesthacht, Geesthacht): Microstructure and corrosion behavior of Ca/P coatings prepared by plasma electrolytic oxidation
13:50	78656	<u>Ilven Mutlu</u> (Istanbul University, Istanbul, Turkey): Effect of fluoride treatment of Mg alloy on corrosion properties
14:10	85401	<u>Aude Thomas</u> (Université catholique de Louvain, Belgium) / Sarah Reuter (Université catholique de Louvain, Belgium) / Eleonora Scarcello (Université catholique de Louvain, Belgium) / Bernard Nysten (Université catholique de Louvain, Belgium) / Dominique Lison (Université catholique de Louvain, Belgium) / Pascal J. Jacques (Université catholique de Louvain, Belgium): Iron-based biodegradable alloys: effect of composition and experimental parameters on the corrosion rate
14:30	81166	<u>Emilija Ilic</u> (Empa, Dübendorf, Switzerland) / Roland Hauert (Empa, Dübendorf, Switzerland) / Patrik Schmutz (Empa, Dübendorf, Switzerland) / Thomas Suter (Empa, Dübendorf, Switzerland) / Stefano Mischler (EPFL, Lausanne, Switzerland): Crevice and stress corrosion cracking of DLC coated implant interlayers
14:50	96617	<u>Aida Echavarría</u> (Universidad de Antioquia, Medellín, Colombia) / Gilberto Bejarano (Universidad de Antioquia, Medellín, Colombia) / Jorge Calderón (Universidad de Antioquia, Medellín, Colombia): Electrochemical response of Ta/TaN/Ta(NAg)/TaN nanostructured multilayer coating developed by plasma assisted unbalanced magnetron sputtering
15:10	95852	<u>Achim Walter Hassel</u> (Johannes Kepler University Linz / CEST, Linz / Wiener Neustadt, Austria) / Jan Philipp Kollender (Johannes Kepler University Linz, Austria) / Georg Sprinzl (University Hospital St. Pölten, Austria) / Theo Doll (Medizinische Hochschule Hannover, Hannover): Corrosion of active implant materials for cochlear hearing aids and cardiac pacemakers

15:30	78047	Arumugam Madhan Kumar (King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia): Electrochemical corrosion and invitro biocompatibility of polypyrrole/pectin composites coatings on 316L SS implants
15:50		Coffee break
North Hall		Corrosion of Biomaterials
	Chair(s)	<i>E. Angelini / A. Davenport</i>
16:20	88116	Amaya Garcia-Casas (Universidad Carlos III de Madrid, Spain) / John Jairo AguilUniversidad Carlos III de Madrid, Spain) / Jaime Esteban (Department of Clinical Microbiology. IIS-Fundacion Jimenez Diaz, Madrid, Spain) / <u>Yaiza Gonzalez-Garcia</u> (Delft University of Technology, Netherlands) / Antonia Jiménez-Morales (Universidad Carlos III de Madrid, Spain): A comparative electrochemical and bacterial adherence study of Ti manufactured by powder metallurgy and Ti64 alloy
16:40	87761	<u>Benoit Ter-Ovanessian</u> (MATEIS - INSA Lyon, Villeurbanne, France) / Amandine Impergre (MATEIS-INSA Lyon, Villeurbanne, France) / Christelle Der Loughian (MATEIS- INSA Lyon, Villeurbanne, France) / Bernard Normand (MATEIS - INSA Lyon, Villeurbanne, France): Effect of cell culture media and bones cells on the corrosion behavior of biomedical grade CoCrMo alloy
17:00	93186	<u>Alison Davenport</u> (University of Birmingham, United Kingdom) / Yue Zhang (University of Birmingham, United Kingdom) / Owen Addison (University of Birmingham, United Kingdom) / John Scully (University of Virginia, Charlottesville, United States of America) / Brendy Rincon Troconis (University of Virginia, Charlottesville, United States of America): Effect of albumin and peroxide in on corrosion of Zr and Ti alloys in physiological saline
17:20	80731	<u>Ingrid Milosev</u> (Jozef Stefan Institute, Ljubljana, Slovenia) / vesna Levasic (Valdoltra Orthopaedic Hospital, Ankaran, Slovenia) / Andrej Cor (Valdoltra Orthopaedic Hospital, Ankaran, Slovenia) / Rihard Trebse (Valdoltra Orthopaedic Hospital, Ankaran, Slovenia): Analysis of corrosion phenomena in revised modular hip replacements with exchangeable necks
17:40	81571	<u>Andrea Balbo</u> (University of Ferrara, Italy) / Alessandro Fortunato (University of Bologna, Italy) / Federica Zanotto (University of Ferrara, Italy) / Cecilia Monticelli (University of Ferrara, Italy): Corrosion behaviour of SLM CoCrMo alloys in solutions reproducing biological fluids
18:00	78646	<u>Ilven Mutlu</u> (Istanbul University, Istanbul, Turkey): Corrosion behaviour of alkali treated highly porous Ti-Nb-Cu alloy
18:30		Poster Party (Forum Hall Foyer)

Terrace 1		Corrosion of Steel in Concrete
	Chair(s)	<i>M. Raupach/ G. Duffo</i>
9:20	72926	<u>Ioan Pepenar</u> (ICECON Group Research Centre CERTINCON, Bucharest, Romania): Electrochemical study on the behaviour of steel for prestressed concrete in alkaline solutions: Influence of chloride ions
9:40	76621	<u>Varvara Shubina</u> (IRDL, CNRS FRE 3744, Brest, France) / Alice Martin (LaSIE, Université de La Rochelle, France) / Laurent Gaillet (IFSTTAR Nantes, France) / Thierry Chaussadent (IFSTTAR Marne-la-Vallée, France) / Juan Creus (LaSIE, Université de La Rochelle, France): Evaluation of biosurfactants from Pseudomonas aeruginosa and Pseudomonas fluorescens against corrosion of carbon steel in simulated concrete pore solutions
10:00	77241	<u>Charlotte Van Steen</u> (KU Leuven, Belgium) / Michiel Ysenbaardt (KU Leuven, Belgium) / Martine Wevers (KU Leuven, Belgium) / Lucie Vandewalle (KU Leuven, Belgium) / Els Verstrynghe (KU Leuven, Belgium): Experimental analysis of the effects of chloride-induced reinforcement corrosion in smooth and ribbed rebars on the bond between steel and concrete
10:20		Coffee break
Terrace 1		Corrosion of Steel in Concrete
	Chair(s)	<i>M. Raupach/ G. Duffo</i>
10:50	94472	<u>Sylvia Keßler</u> (Technische Universität München, München) / Florian Hiemer (Technische Universität München, Germany) / Christoph Gehlen (Technische Universität München, Germany): Impact of a concrete coating on the reinforcement corrosion in cracked concrete
11:10	72386	<u>Behzad Bavarian</u> (CSUN-MSEM, Northridge California, United States of America) / Oluwaseye Akinbosede (MSEM-CSUN, Northridge, United States of America) / Lisa Reiner (CSUN-MSEM, Northridge, United States of America): Improving durability of reinforced concrete structures using migrating corrosion inhibitors as admixtures
11:30	86736	<u>Nagate Hashimoto</u> (Tokyo university of Science, Japan) / Yoshitaka Kato (Tokyo University of Science, Japan) / Kohei Eguchi (Tokyo University of Science, Japan): Influence of chloride ion penetrated into concrete on the destruction of passivation film of steel bar
11:50	87716	<u>Gino Ebell</u> (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany) / Andreas Burkert (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany) / Jürgen Mietz (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany): Electrochemical investigations on the corrosion behaviour of galvanized reinforcing steels in chloride containing mortar
12:10		Lunch
Terrace 1		Corrosion of Steel in Concrete
	Chair(s)	<i>M. Raupach/ G. Duffo</i>
13:30	71706	<u>Carla Driessen</u> (RWTH Aachen, Aachen) / Michael Raupach (Institute of Building Materials Research, Aachen): Investigations on the mobility of chloride ions at different potential gradients using a preventive cathodic protection

13:50	75062	Robert Melchers (University of Newcastle, Australia) / Igor Chaves (The University of Newcastle, Australia) / Torill Pape (Aecom, Brisbane, Australia): Long term durability of reinforcement in Class A and Class B concretes in Pacific Ocean marine environment
14:10	96482	Yves Schiegg (TFB AG, Wildegg, Switzerland): Monitoring rebar corrosion propagation in concrete – Results of the Naxberg field experiment after 12 years
14:30	85231	Rob Polder (TNO, Delft, Netherlands) / Marloes van Put (TNO, Delft, Netherlands) : Multi Sensor Data Fusion monitoring of reinforcement
14:50	85871	Gabriel Samson (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Fabrice Deby (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Jean-Luc Garciaz (LERM SETEC, Arles, France) / Jean-Louis Perrin (LERM SETEC, Arles, France): New method for uniform corrosion measurement on reinforced concrete structure
15:10	87166	Elke Ziehensack (Technical University of Munich, Munich) / Sylvia Kessler (Technical University of Munich, Munich) / Christoph Gehlen (Technical University of Munich, Munich) / Ueli Angst (ETH Zürich, Zurich, Switzerland): Estimation of diffusion potentials by experiments with filter paper
15:30	87906	Farah Rifai (DEN-Service d'étude du comportement des radionucléides - CEA Saclay, Gif-Sur-Yvette, France) / Benoist Muzeau (DEN-Service d'étude du comportement des radionucléides, CEA Saclay, Gif-Sur-Yvette, France) / Aveline Darquennes (Université Paris-Saclay, France) / Farid Benboudjema (Université Paris-Saclay, France) / Lavinia Stefan (AREVA, La défense, France): General and galvanic corrosion of Magnesium coupled to graphite embedded in hydraulic binders: corrosion rate, rust layer properties and binder mechanical strains
15:50		Coffee break
Terrace 1		Corrosion of Steel in Concrete
	Chair(s)	<i>M. Raupach/ G. Duffo</i>
16:20	72812	Yu Zuo (Beijing University of Chemical Technology, China) / Yishan Wang (Beijing University of Chemical Technology, China): Sodium oleate as a green corrosion inhibitor for pitting corrosion of carbon steel in simulated concrete pore solution
16:40	78956	David M. Bastidas (National Center for Metallurgical Research (CENIM-CSIC), Madrid, Spain) / Carlos Zapico (National Center for Metallurgical Research (CENIM-CSIC), Madrid, Spain): Stability of passive film layer on stainless steel reinforcements
17:00	79471	Maria Criado (The University of Sheffield, United Kingdom) / Susan A. Bernal (The University of Sheffield, United Kingdom) / John L. Provis (The University of Sheffield, United Kingdom): Steel passive state stability in activated slag mortars and white Portland cement
17:20	85496	Gabriel Samson (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Fabrice Deby (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Jean-Luc Garciaz (LERM SETEC, Arles, France) / Jean-Louis Perrin (LERM SETEC, Arles, France): Using linear polarization resistance measurement method to determine concrete resistivity
17:40	92356	Kazuhide Yonamine (Port and Airport Research Institute, Yokosuka, Japan) / Toru Yamaji (Port and Airport Research Institute, Yokosuka, Japan) / Mizuki Ishibashi (Toyo University, Kawagoe, Japan) / Tsutomu Fukute (Toyo University, Kawagoe, Japan): Long-term corrosion resistance of stainless steel rebar in cracked part of concrete supplied with high amount of seawater
18:00		WP11 meeting
18:30		Poster Party (Forum Hall Foyer)

Club E		Marine Corrosion
	Chair(s)	<i>U. Kivisäkk/ P. Shiladitya</i>
9:20	76146	Ying Li (Institute of Metal Research, China) / Ying Liu (Institute of Metal Research, China) / Li Liu (Institute of Metal Research, China) / Fandi Meng (Institute of Metal Research, China): Failure mechanisms and lifetime prediction of organic coatings under high hydrostatic pressures
9:40	73086	Toru Yamaji (Port and Airport Research Institute, Yokosuka, Japan) / Yoshikazu Akira (Kagoshima university, Japan) / Masami Abe (Kanasugi Comerese and Industry Co, Ltd., Yokohama, Japan): Studies on the estimation of durability of protective coating methods for steel pipe pile based on the long term marine exposure test (after 30 years)
10:00	93707	Saman Hosseinpour (Max Planck Institute for Polymer Research, Mainz) / Christofer Leygraf (KTH Stockholm, Sweden) / Zana Hajdari Gretic (University of Zagreb, Croatia) / Ekatarina Kristan Mioc (University of Zagreb, Croatia) / Helena Otmacic Curkovic (University of Zagreb, Croatia) / Sebastian Bochmann (University of Erlangen-Nuerenberg, Germany) / Julien Bachmann (University of Erlangen-Nuerenberg, Germany) / Victoria Waegner (University of Erlangen-Nuerenberg, Germany) / Sannakaisa Virtanene (University of Erlangen-Nuerenberg, Germany) / Wolfgang Peukerta (University of Erlangen-Nuerenberg, Germany): Self-assembled monolayers as corrosion inhibitors; indoor, marine and biologically relevant exposure
10:20		Coffee break
Club E		Marine Corrosion
	Chair(s)	<i>U. Kivisäkk/ P. Shiladitya</i>
10:50	78471	Igor Chaves (The University of Newcastle, Australia) / Simon Krismer (Bureau Veritas Asset Integrity and Reliability Services Pty Ltd, Newcastle, Australia) / Robert Melchers (The University of Newcastle, Australia): Short and long-term effect of HAZ microstructure on the marine corrosion of low-carbon steel weldments
11:10	99580	Troels Mathiesen (FORCE Technology, Brøndby, Denmark) / Henrik Bang (FORCE Technology, Esbjerg, Denmark) / Torben Jensen (FORCE Technology, Brøndby, Denmark): Customized test for evaluating atmospheric corrosion resistance of uncoated AISI 316 type stainless steel in marine environment

Club E		Joint session WP 9 + WP 10 in memory of Prof. Francesco Mazza
	Chair(s)	<i>U. Kivisäkk / R. Basseguy</i>
11:30	81916	<u>Pierangela Cristiani</u> (Ricerca sul Sistema Energetico (RSE) SpA, Milano, Italy) / Stefano Pierpaolo Trasatti (Università degli Studi di Milano, Italy): Copper alloys and stainless steel: which role for the future challenges of blue economy?
11:50	90121	<u>Valerie Debout</u> (DCNS, Cherbourg Octeville, France) / Emile Malard (CORRODYS, Cherbourg Octeville, France) / Hervé Guené (CORRODYS, Cherbourg Octeville, France) / Jean-Francois Ghiglione (LOMIC UMR 7621 CNRS, Banyuls-sur-mer, France) / Christelle Caplat (BOREA UMR 7208 CNRS, Cherbourg Octeville, France) / Florence Mazeas (IFREMER, Plouzané, France) / Stéphanie Salaun (IFREMER, Plouzané, France) / Chantal Compère (IFREMER, Plouzané, France): Biofilms and corrosion of stainless steel alloys in sea water-Multidisciplinary characterization of the biofilm
12:10		Lunch
Club E		Joint session WP 9 + WP 10 in memory of Prof. Francesco Mazza
	Chair(s)	<i>P. Cristiani / P. Refait</i>
13:30	91841	Zakari Makama (University of Oklahoma, Norman, United States of America) / Devin Witt (Chevron Energy Technology Company, Houston, United States of America) / Kai-tung Ma (Chevron Energy Technology Company, Houston, United States of America) / Tim Lee (AMOG Consulting, Inc, Houston, United States of America) / Andrew Kilner (AMOG Consulting, Inc, Norman, United States of America) / Vincent Bonifay (University of Oklahoma, Norman, United States of America) / Kathleen Duncan (University of Oklahoma, Norman, United States of America) / Jan Sunner (University of Oklahoma, Norman, United States of America) / <u>Iwona Beech</u> (University of Oklahoma, Norman, United States of America): Integrity management of mooring systems against microbial influenced corrosion
13:50	72111	<u>Daniel J. Blackwood</u> (National University of Singapore) / Chin Sing Lim (Tropical Marine Science Institute, National University of Singapore) / Serena Teo (Tropical Marine Science Institute, National University of Singapore): Macrofouling induced corrosion in Singapore's coastal seawaters
14:10	83826	<u>Monica Trueba</u> (Università degli Studi di Milano, Italy) / Simone Betti (Università degli Studi di Milano, Italy) / Michele Ferri (Università degli Studi di Milano, Italy) / Stefano P. Trasatti (Università degli Studi di Milano, Italy) / Marina Cabrini (Università degli Studi di Bergamo, Italy) / Antonietta Lo Conte (Politecnico di Milano, Italy): Effect of applied and residual stresses on the electrochemically induced repassivation of sensitized 5xxx series Al alloys in NaCl solutions
14:30	75457	<u>Marian Palcut</u> (Slovak University of Technology, Trnava, Slovakia) / Libor Ďuriška (Slovak University of Technology, Trnava, Slovakia) / Pavol Priputen (Slovak University of Technology, Trnava, Slovakia) / Jozef Janovec (Slovak University of Technology, Bratislava, Slovakia): Corrosion behavior of Al-Pd and Al-Co complex metallic alloys
14:50	81871	Emma Angelini (Polytecnico di Torino, Italy) / <u>Leonardo Iannucci</u> (Polytecnico di Torino, Italy) / Sabrina Grassini (Polytecnico di Torino, Italy) / Alessandra Colombo (Università degli Studi di Milano, Italy) / Stefano Pierpaolo Marcello Trasatti (Università degli Studi di Milano, Italy) / Pierangela Cristiani (Ricerca sul Sistema Energetico – RSE SpA, Milano, Italy): Assessment of microbial corrosion resistance on stainless steel coated with nanostructured TiO2
15:10	73016	Yimin Zeng (CanmetMATERIALS, Hamilton, Canada) / Magdalene Matchim (CanmetMATERIALS, Hamilton, Canada) / <u>Jingli Luo</u> (University of Alberta, Edmonton, Canada) / Joey Kish (McMaster University, Hamilton, Canada): Corrosion assessment of candidate alloys for cost-effective construction of advanced biorefineries
15:30	84991	<u>Fabio Maria Bolzoni</u> (Politecnico di Milano, Italy) / Andrea Brenna (Politecnico di Milano, Italy) / Luciano Lazzari (Politecnico di Milano, Italy) / Gabriela Contreras (Consultant, Queensland, Australia) / Alessandro Benedetti (CNR IENI, Genova, Italy): Cathodic protection in natural seawater in aerobic and anaerobic conditions
15:50		Coffee break
Club E		Joint session WP 9 + WP 10 + WP 16 in memory of Prof. Francesco Mazza
	Chair(s)	<i>P. Cristiani / P. Refait / J. Cruzillac</i>
16:20	92441	<u>Tiziano Bellezze</u> (Università Politecnica delle Marche, Ancona, Italy) / Sergio Lorenzi (University of Bergamo, Italy) / Giampaolo Giuliani (Università Politecnica delle Marche, Ancona, Italy) / Gabriella Roventi (Università Politecnica delle Marche, Ancona, Italy) / Tommaso Pastore (University of Bergamo, Italy): Stainless steels in natural seawater: boundary conditions for CP modelling
16:40	93031	<u>Carlo Dellabiancia</u> (CTS Centro Tecnologico Sperimentale - NDT Division, Ceparana di Bolano - La Spezia, Italy) / Lorenzo Rolla (CTS Centro Tecnologico Sperimentale Srl - Chemical Corrosion Division, Ceparana di Bolano - La Spezia, Italy) / Valentina De Luise (CTS Centro Tecnologico Sperimentale Srl - Chemical - Corrosion Division, Ceparana di Bolano - La Spezia, Italy) / Mattia Dellabiancia (CTS Centro Tecnologico Sperimentale Srl - NDT Metallography Division, Ceparana di Bolano - La Spezia, Italy): Laboratory activities related to marine corrosion : Search for damage causes
17:00	79791	<u>Nanni Noël</u> (Endures B.V., Den Helder, Netherlands) / Hans Christ (Endures B.V., Den Helder, Netherlands) / Job Klijnstra (Endures B.V., Den Helder, Netherlands): What's the secret of microbiologically influenced corrosion? Experiences and case studies from damage cases of different environments
17:20	81971	<u>Regine Basseguy</u> (Laboratoire de Génie Chimique, Université de Toulouse, CNRS, INPT, UPS, Toulouse, France) / Pierangela Cristiani (Ricerca sul Sistema Energetico (RSE) SpA, Milano, Italy): Introduction for a round-table on ties between MIC and Sea: A multidisciplinary approach is required
18:30		Poster Party (Forum Hall Foyer)
Club D		Corrosion in Automotive: prediction and prevention
	Chair(s)	<i>E. Szala / T. Prosek</i>

9:20	87936	Keynote lecture. Jan-Olov Nilsson (Sapa, Sweden): Anodising of aluminium for automotive applications
10:00	84321	Malin Tornberg (Swerea KIMAB, Kista, Sweden) / Dan Persson (Swerea KIMAB, Kista, Sweden) / Bo Rendahl (Swerea KIMAB, Kista, Sweden) / Cecilia Groth (Swerea IVF, Mölndal, Sweden): Sustainable pretreatments for automotive industry
10:20		Coffee break
Club D		Corrosion in Automotive: prediction
	Chair(s)	<i>E. Szala / T. Prosek</i>
10:50	80756	Georg Hölzl (CEST Competence Center for Surface Technology, Linz, Austria) / Gerald Luckeneder (voestalpine Stahl GmbH, Linz, Austria) / Hubert Duchaczek (voestalpine Stahl GmbH, Linz, Austria) / Karl-Heinz Stellnberger (voestalpine Stahl GmbH, Linz, Austria) / Christoph Kleber (CEST Competence Center for Electrochemical Surface Technology, Wr. Neustadt, Austria) / Ignacio Giner (University Paderborn, Paderborn) / Guido Grundmeier (University Paderborn, Paderborn) / Achim Walter Hassel (Johannes Kepler University Linz, Austria): Understanding the surface corrosion mechanisms of zinc coatings
11:10	74482	Clément Boissy (Aperam Research, Solutions Dept., Isbergues, France) / Saghi Saedlou (Aperam Research, Solutions Dept., Isbergues, France) / Jean-Benoît Moreau (Aperam Research, Solutions Dept., Isbergues, France) / Jesse Paegle (Aperam Stainless Europe, France): Atmospheric corrosion of a new martensitic stainless steel for automotive applications – optimization of mechanical pre-treatment to bring new perspectives on oxidized material
11:30	76086	Fumio Yuse (Materials Research Laboratory, Kobe Steel, LTD., Japan) / Junichiro Kinugasa (Materials Research Laboratory, Kobe Steel, LTD., Japan) / Yousuke Fujita (Materials Research Laboratory, Kobe Steel, LTD., Japan) / Michitaka Tsunozawa (Steel development section Kakogawa Works, Kobe Steel, LTD., Kakogawa, Japan) / Michiharu Nakaya (Steel development section Kakogawa works, Kobe Steel, LTD., Kakogawa, Japan): Effect of corrosion resistance and rust characterization for hydrogen absorption and hydrogen embrittlement under an atmospheric corrosion condition
11:50		WP17 meeting
12:10		Lunch

Club D		Corrosion in the Refinery Industry
	Chair(s)	<i>F. Ropital / J. van Roij</i>
13:30	90341	Geir Instanes (ClampOn AS, Laksevåg, Norway) / Audun Pedersen (ClampOn AS, Bergen, Norway): Long-range detection of wet insulation and corrosion products for CUI
13:50	79456	Karel Dám (Olympus, Prague, Czech Republic) / Florin Turcu (Olympus Europa, Rungis, France) : Role of X-ray Fluorescence and Diffraction in fighting corrosion
14:10	88826	Philipp Schempp (Shell Deutschland Oil GmbH, Cologne, Germany) / Silvio Köhler (Shell Deutschland Oil GmbH, Cologne, Germany) / Marcus Menzebach (Shell Deutschland Oil GmbH, Cologne, Germany) / Karsten Preuß (Shell Deutschland Oil GmbH, Cologne, Germany) / Micha Tröger (Shell Deutschland Oil GmbH, Cologne, Germany): Corrosion in the crude distillation unit overhead line: Contributors and solutions
14:30	85791	Cynthia Pierre (BP Kwinana Refinery, Kwinana Beach, Australia): Online Monitoring - Quantifying risks and taking control of corrosion
14:50	73472	Alec Groysman (Israeli Society of Chemical Engineers and Chemists c/o AEAI, Tel Aviv, Israel): Fouling, corrosion, and cleaning in oil, refining and petrochemical industry
15:10	78261	Mike Yongjun Tan (Deakin University, Geelong, Australia): Acquisition, visualization and interpretation of pipeline corrosion monitoring data
15:30	95717	Ahmad Zamani Gharaghooshi (Ministry of Petroleum, Tehran, Iran): CO₂ corrosion controlling by 2-mercaptobenzimidazole as inhibitor in gas refinery feed media (case study)
15:50		Coffee break
Club D		Corrosion in the Refinery Industry
	Chair(s)	<i>F. Ropital / J. van Roij</i>
16:20	73597	Xiaoyang Guo (Norwegian University of Science and Technology NTNU, Norway) / Jianyu Ma (Norwegian University of Science and Technology NTNU, Norway) / Estelle Vanhaecke (Norwegian University of Science and Technology NTNU, Norway) / Hilde Venvik (Norwegian University of Science and Technology NTNU, Norway) / John Walmsley (Sintef, Norway): Experimental investigation of initial stages of metal dusting corrosion
16:40	73797	Alessandra Spaghetti (Sandvik Italia S. p. A., Milano, Italy): Comparison of hyperduplex and the most used CuNi alloys for seawater cooling
17:00	87976	Xi Yang (Southwest petroleum university, Chengdu, China) / Junlei Tang (Southwest petroleum university, Chengdu, China) / Bernard Normand (Université de Lyon, France): Effect of sulfide on corrosion behavior of 2205 duplex stainless steel in HCl solution
17:20	97940	Valerie Bour Beucler (NALCO Champion, Arcueil, France) / Stefaan Vanschoubroeck (TOTAL Research Center, Feluy, Belgium): Case study of an improved passivation of an open recirculating cooling system after turn around by means of the cathodic corrosion inhibitor PSO (phosphino succinic oligomer) in high stress conditions
17:40	72651	Askar Soltani (SPGC, Assaluyeh, Iran) / Reza Zareie (SPGC, Assaluyeh, Iran) / Koorosh Farzanfar (SPGC, Assaluyeh, Iran): Root cause analysis of crack occurrence on ss304L tubes of a shell and tube heat exchanger in reception unit: A case study within south pars gas complex
18:30		Poster Party (Forum Hall Foyer)

Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>C. Leygraf</i>
9:20	89546	Florence Mercier-Bion (Université Paris-Saclay, France) / Jiaying Li (Université Paris-Saclay, France) / Ludovic Tortech (CEA Saclay, France) / Delphine Neff (Université Paris-Saclay, France) / Philippe Dillmann (Université Paris-Saclay, France): Electronic properties at the nanometer scale of iron anoxic corrosion product layers
9:40	81136	Darja Pecko (Vrije Universiteit Brussel, Belgium) / Rodrigo Montoya (Vrije Universiteit Brussel, Belgium) / Iris De Graeve (Vrije Universiteit Brussel, Belgium) / Herman Terryn (Vrije Universiteit Brussel, Belgium) / Johan Deconinck (Vrije Universiteit Brussel, Belgium): Numerical modelling of the steel rebar corrosion inside the self-healed concrete
10:00	83966	Robin Le Penglau (Université Paris-Saclay, France) / Mickael Bouhier (Université Paris-Saclay, France) / Delphine Neff (Université Paris-Saclay, France): Description of archeological corrosion layers thanks to multivariate analysis
10:20		Coffee break
Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>C. Leygraf</i>
10:50	74307	Rym Akkouche (University of La Rochelle, France) / Céline Remazeilles (University of La Rochelle, France) / Marc Jeannin (University of La Rochelle, France) / Maud Barbalat (AIR LIQUIDE Research & Development, Les Loges en Josas, France) / René Sabot (University of La Rochelle, France) / Philippe Refait (University of La Rochelle, France): Corrosion of carbon steel in soil: differential aeration cells and heterogeneity of the corrosion product layer
11:10	82461	Anna Kityk (Ukrainian State University of Chemical Technology, Dnipro, Ukraine) / Yelyzaveta Rublova (Ukrainian State University of Chemical Technology, Dnipro, Ukraine) / Elena Vasil'eva (Ukrainian State University of Chemical Technology, Dnipro, Ukraine) / Felix Danilov (Ukrainian State University of Chemical Technology, Dnipro, Ukraine): Physicochemical properties and corrosion activity of deep eutectic solvents Ethaline and Reline to the mild steel
11:30	72916	Hideki Katayama (National Institute for Materials Science, Tsukuba Ibaraki, Japan): Corrosion monitoring of carbon steel under various atmospheric environment
11:50	92126	Massimiliano Bestetti (Politecnico di Milano, Italy) / Silvia Franz (Politecnico di Milano, Italy) / Antonello Vicenzo (Politecnico di Milano, Italy) / Riccardo Volta (Politecnico di Milano, Italy): A new approach for current density calculation in uniform corrosion
12:10		Lunch
Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>C. Blanc</i>
13:30	79681	Yu Sugawara (Tohoku University, Sendai, Japan) / Yuto Sakaizawa (Nippon Steel & Sumikin Stainless Steel Corporation, Hikari, Japan) / Akihiro Shibata (Tamagawa Seiki Co., Ltd., Nanbu-town, Japan) / Izumi Muto (Tohoku University, Sendai, Japan) / Nobuyoshi Hara (Tohoku University, Sendai, Japan): Detection of hydrogen permeating through steel using tungsten oxide thin film
13:50	76771	Yudai Yamamoto (Hokkaido University, Sapporo, Japan) / Yuichi Kitagawa (Hokkaido University, Sapporo, Japan) / Takayuki Nakanishi (Hokkaido University, Sapporo, Japan) / Yasuchika Hasegawa (Hokkaido University, Sapporo, Japan) / Koji Fushimi (Hokkaido University, Sapporo, Japan): Time-dependent measurement of hydrogen penetration in ferric metal materials
14:10	72741	Takumi Haruna (Kansai University, Osaka, Japan) / Kazuki Takeuchi (Kansai University, Suita, Japan) / Tomoki Kasahara (Kansai University, Suita, Japan) / Yamato Nii (Kansai University, Suita, Japan) / Youhei Hirohata (Kansai University, Osaka, Japan): Hydrogen absorption behavior of the steels containing Cr and Ni under cathodic polarization in sulfate solutions
14:30	74102	Tobias Schaffner (Thyssenkrupp Steel Europe AG, Duisburg, Germany) / Alexander Hartmaier (Ruhr-Universität Bochum, Germany) / Valentin Kokotin (Thyssenkrupp Steel Europe AG, Duisburg, Germany) / Michael Pohl (Ruhr-Universität Bochum, Germany): Characterization of the hydrogen transport and the hydrogen induced damage of (ultra) high strength steel concepts
14:50	82246	Wolfgang Siegl (University of Leoben, Austria) / Thomas Zauchner (University of Leoben, Austria) / Gregor Mori (University of Leoben, Austria): Contribution to the understanding of hydrogen trapping in dislocations and grain boundaries in ARMCO iron
15:10	78067	Alexander Britner (Karlsruher Institut für Technologie - KIT, Karlsruhe, Baden): Investigation of influence parameters for crack formation on hot-dip metal coated steel
15:30	88351	Eiman Alibakhshi (Institute for Color Science and Technology, Tehran, Iran) / Ebrahim Ghasemi (Institute for Color Science and Technology, Tehran, Iran) / Mohammad Mahdavian (Institute for Color Science and Technology, Tehran, Iran) / Akram Labbani Motlagh (Sharif University of Technology, Tehran, Iran) / Seyed Arash Haddadi (Sharif University of Technology, Tehran, Iran): Electrochemical investigation on the corrosion inhibition of mild steel by calcium zinc phosphate nanoparticle
15:50		Coffee break
Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>G. Mori</i>
16:20	83281	Lorenzo Vecchi (Vrije Universiteit Brussels, Belgium) / Hans Simillion (Vrije Universiteit Brussels, Belgium) / Rodrigo Montoya (Vrije Universiteit Brussels, Belgium) / Emilie Van den Eeckhout (Ghent University, Belgium) / Kim Verbeken (Ghent University, Belgium) / Johan Deconinck (Vrije Universiteit Brussels, Belgium) / Herman Terryn (Vrije Universiteit Brussels, Belgium) / Yves Van Ingelgem (Vrije Universiteit Brussels, Belgium): Modelling of hydrogen sorption, trapping and desorption on steel in the Devanathan-Stachurski cell
16:40	94012	Tom Depover (Ghent University, Zwijnaarde, Belgium) / Kim Verbeken (Ghent University, Zwijnaarde, Belgium): The role of dislocation mobility on the hydrogen induced mechanical degradation of Fe-C-X alloys

17:00	85831	Kim Verbeken (Ghent University, Zwijnaarde (Gent), Belgium) / Tom Depover (Ghent University, Belgium) / Aurélie Laureys (Ghent University, Belgium) / Tim De Seranno (Ghent University, Belgium) / Lisa Claeys (Ghent University, Belgium) / Emilie Van den Eeckhout (Ghent University, Belgium): The role of carbides in the hydrogen induced mechanical degradation of steels
17:20	82961	Martin Monnot (SIMaP Grenoble Université Alpes, Saint Martin d'Hères, France) / Rafael Estevez (SIMaP Grenoble Université Alpes, St Martin d'Hères, France) / Virginie Roche (LEPMI Grenoble Université Alpes, St Martin d'Hères, France) / Ricardo Nogueira (The Petroleum Institute, Abu Dhabi, United Arab Emirates) / Marc Mantel (SIMaP Grenoble Université Alpes, St Martin d'Hères, France): Hydrogen embrittlement modeling of super martensitic stainless steel in sour media
17:40	80086	Gabriela Schimo (CEST Competence Centre for Electrochemical Surface Technology, Wiener Neustadt, Austria) / Andreas Muhr (voestalpine Stahl GmbH, Linz, Austria) / Gerald Luckeneder (voestalpine Stahl GmbH, Linz, Austria) / Hubert Duchaczek (voestalpine Stahl GmbH, Linz, Austria) / Karl-Heinz Stellnberger (voestalpine Stahl GmbH, Linz, Austria) / Josef Faderl (voestalpine Stahl GmbH, Linz, Austria) / Achim Walter Hassel (Johannes Kepler University Linz, Austria): Scanning Kelvin Probe investigation of atmospheric corrosion and hydrogen insertion under mechanical load
18:00	93902	Lei Wen (University of Science and Technology Beijing, China) / Ying Jin (University of Science and Technology Beijing, China) / Xuegang Guo (University of Science and Technology Beijing, China): Influence of SiC nanoparticles on the properties of MAO coatings formed on titanium alloy
18:30		Poster Party (Forum Hall Foyer)

Wednesday, 6 September 2017: Lectures

Forum Hall	Plenary session
08:20	EUROCORR Young scientist grant
08:35	Poster winner Award
08:45	Plenary Lecture - Tetsuo Shoji
12:40	Plenary Lecture - Vanessa Sutherland

Wednesday, 6 September 2017: Lectures

Forum Hall		Organic Coatings
	<i>Chair(s)</i>	<i>W. Fürbeth, J. Vogelsang</i>
9:40	76506	Anne-Pascale Romano (Materia Nova research Center, Mons, Belgium) / Giuseppe Caldarella (University of Liège, Belgium) / Mireille Poelman (Materia Nova Research Center, Mons, Belgium) / Fabrizio Maseri (Materia Nova Research Center, Mons, Belgium) / Marie-Georges Olivier (University of Mons, Belgium) / Nathalie Job (University of Liège, Belgium): Corrosion performance of electropolymerized doped polypyrrole coatings on a 316L stainless steel bipolar plates for proton exchange membrane fuel cells (PEMFC)
10:00	82336	Peter Hammer (State University of São Paulo - UNESP, Araraquara, Brazil) / Ruben Oblitas Torrico (State University of São Paulo - UNESP, Araraquara, Brazil) / Samarah Vargas Harb (São Paulo State University UNESP, Araraquara, Brazil) / Andressa Trentin (São Paulo State University UNESP, Araraquara, Brazil) / Celso Valentim Santilli (São Paulo State University UNESP, Araraquara, Brazil): Structure and anticorrosive properties of silica-epoxy hybrid coatings
10:20	74462	N. Taheri (Institute for Color Science and Technology (ICST), Tehran, Iran) / B. Ramezanzadeh (Institute for Color Science and Technology (ICST), Tehran, Iran) / M. Mahdavian (Institute for Color Science and Technology (ICST), Tehran, Iran) / M. Ramezanzadeh (Institute for Color Science and Technology, Tehran, Iran) / <u>Sina Abrishami</u> (University of Tehran, Tehran, Iran): The effect of graphene oxide nanosheets functionalized by Polyaniline Nanofibers doped with zinc cations on the corrosion resistance of epoxy coating on mild steel
10:40		Coffee break
Forum Hall		Organic Coatings
	<i>Chair(s)</i>	<i>W. Fürbeth, J. Vogelsang</i>
11:10	81616	Nathalie LeBozec (French Corrosion Institute, Brest Brest, France) / Andrej Nazarov (French Corrosion Institute, Brest, France) / Dominique Thierry (French Corrosion Institute, Brest, France): Assessment of corrosion de-adhesion of thick marine paints applied on steel using scanning Kelvin Probe technique
11:30	83121	Viacheslav Shkirskiy (Chimie ParisTech, PSL Research University, Paris, France) / Polina Volovitch (Chimie ParisTech, PSL Research University, Paris, France) / Vincent Vivier (Université Pierre et Marie Curie, Paris, France): A novel tool to monitor degradation kinetics at metal / polymer interface: Quantitative Local Electrochemical Impedance Mapping
11:50	90181	Maritza Paez (Universidad de Santiago de Chile, Santiago, Chile): A pretreatment to bind an anticorrosive coating on an aluminium alloy
12:10	85176	Sneha Daradmare (Indian Institute of Technology Bombay, Mumbai, India) / Mamata Pradhan (Indian Institute of Technology Bombay, Mumbai, India) / V. S. Raja (Indian Institute of Technology Bombay, Mumbai, India) / Smrutiranjana Parida (Indian Institute of Technology Bombay, Mumbai, India): 8-HQ encapsulated GO stabilized polystyrene container based anticorrosion coatings
12:30		Lunch
Forum Hall		Organic Coatings
	<i>Chair(s)</i>	<i>F. Montemor, L. Fedrizzi</i>
14:00	88591	Gerald S. Frankel (The Ohio State University, Columbus, USA) / Xi Wang (The Ohio State University, Columbus, USA): Protection Mechanism of Al-Rich Epoxy Primer on Aluminum Alloy 2024-T3
14:20	95177	Davide A. Allegro (Università degli Studi di Milano, Milan, Italy) / Monica Trueba (Università degli Studi di Milano, Milan, Italy) / Stefano P. Trasatti (Università degli Studi di Milano, Milan, Italy) / Sara I. Cristini (Lampre s.r.l., Usmate Velate, Monza-Brianza, Italy) / Alessandro Bralia (Lampre s.r.l., Usmate Velate, Monza-Brianza, Italy): Comparison of accelerated electrochemical techniques with conventional salt spray test for industrial protective coatings
14:40	73607	Peyman Taheri (TU Delft, Delft, Netherlands) / JMC Mol (TU Delft, Delft, Netherlands) / Herman Terryn (Vrije Universiteit Brussel, Belgium): In-situ interfacial bonding study of amine and amide model compounds and Fe surfaces
15:00	75746	Micael Alonso Frank (Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany) / Aldo R. Boccaccini (Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany) / Sannakaisa Virtanen (Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany): Functionalization of metallic materials: wettability and corrosion inhibition effects
15:20	97216	Henk Vugteveen (Seal for Life, Stadskanaal, Netherlands): Amorphous Polyolefin Coatings
15:40		Coffee break
Forum Hall		Organic Coatings
	<i>Chair(s)</i>	<i>F. Montemor, L. Fedrizzi</i>
16:10	71811	Agnieszka Krolikowska (Road and Bridge Research Inst., Warszawa, Poland) / Leszek Komorowski (Road and Bridge Research Institute, Warsaw, Poland) / Pier Luigi Bonora (AITIVA, Pergine Valsugana, Italy): Hidden causes of paint delamination
16:30	78271	Stefano Rossi (University of Trento, Trento, Italy) / Michele Fedel (University of Trento, Trento, Italy) / Massimo Calovi (University of Trento, Trento, Italy) / Flavio Deflorian (University of Trento, Trento, Italy): Corrosion protection of aluminum foams by cathodic deposition of organic coatings
16:50	83356	Carsten Becker-Willinger (INM - Leibniz Institute for New Materials, Saarbrücken, Germany) / Sener Albayrak (INM - Leibniz Institute for New Materials, Saarbrücken, Germany) / Emilie Perre (INM - Leibniz Institute for New Materials, Saarbrücken, Germany) / Marlon Jochum (INM - Leibniz Institute for New Materials, Saarbrücken, Germany) / Jessica Brunke (INM - Leibniz Institute for New Materials, Saarbrücken, Germany) / Marek Twardoch (INM - Leibniz Institute for New Materials, Saarbrücken, Germany): Effect of morphology and manganese content of flake-type zinc-manganese-phosphate additives on the corrosion protection behaviour of highly structured Nanomer® coatings

17:10	98010	Tsuyoshi Matsumoto (Dai Nippon Toryo Co. Ltd, Osaka-city, Japan) / Kenichiro Yamauchi (Dai Nippon Toryo Co. Ltd, Ohtawara, Japan) / Naoki Yabumi (Dai Nippon Toryo Co. Ltd, Ohtawara, Japan) / Tsuyosi Miyashita (Dai Nippon Toryo Co. Ltd, Ohtawara, Japan) / Hiroyuki Tanabe (Dai Nippon Toryo Co. Ltd, Tokyo, Japan): Advances in W/B protective coating system using fluoropolymer topcoat –High weathering performance and environmental friendly VOC reduction system
17:30	88916	Douglas J. Mills (University of Northampton, United Kingdom) / Sina Jamali (University of Wollongong, Australia): Relevance of a slow ionic exchange process within organic coatings to their protective properties on steel
19:00		Congress Dinner (Zofin Palace)

Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>V. Maurice</i>
9:40	77617	Li Liu (Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China): Electrochemical corrosion behavior of nanocrystalline metal thin film prepared by Magnetron Sputtering -- a recent work report
10:00	74127	Yuming Tang (Beijing University of Chemical Technology, Beijing, China) / Bing Lin (Beijing University of Chemical Technology, Beijing, China) / Xuhui Zhao (Beijing University of Chemical Technology, Beijing, China) / Yu Zuo (Beijing University of Chemical Technology, Beijing, China): The Study on Relation Between Peak Current and Growth Rate of Metastable Pits on Stainless Steel and Carbon Steel
10:20	78491	Jianqiao YANG (Xi'an Jiaotong University, Xi'an, China) / Shuzhong WANG (Xi'an Jiaotong University, Xi'an, China) / Xingying Tang (School of Marine Sciences, GuangXi University, Nanning, China) / Yanhui LI (Xi'an Jiaotong University, Xi'an, China): Corrosion behavior of stainless steels and Ni-based alloys in supercritical water containing ammonium chloride and oxygen
10:40		Coffee break
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>B. Normand</i>
11:10	80391	Gleidys Monrrabal (Universidad Carlos III de Madrid, Leganes Madrid, Spain) / Susana Guzman (Universidad Carlos III de Madrid, Leganes, Spain) / Asuncion Bautista (Universidad Carlos III de Madrid, Leganes, Spain) / Francisco Velasco (Universidad Carlos III de Madrid, Leganes, Spain): Innovative agar-glycerol electrolytes for corrosion studies on irregular surfaces of stainless steels
11:30	76416	Claudia Merola (Max-Planck-Institut für Eisenforschung, Düsseldorf) / Hsiu-Wei Cheng (Max Planck institute für Eisenforschung, Düsseldorf) / Markus Valtiner (Technische Universität Bergakademie Freiberg, Freiberg): Interferometry: a new way to study corrosion
11:50	85981	Hiroshi Abe (Tohoku University, Sendai, Japan) / Yoshikazu Maeda (Tohoku University, Sendai, Japan) / Yutaka Watanabe (Tohoku University, Sendai, Japan): Effect of activated carbon on crevice corrosion behavior of type 316L stainless steel
12:10	88951	Douglas J. Mills (University of Northampton, United Kingdom) / TianYang Lan (University of Northampton, United Kingdom): Comparison of an electrochemical method (ENM) and a physical method (eddy current testing) for detection of corrosion under insulation (CUI)
12:30		Lunch
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>M. Ferreira</i>
14:00	88806	Malo Carradot (INSA de Lyon, Villeurbanne, France) / Benoit Ter-Ovanessian (INSA de Lyon, Villeurbanne, France) / Bernard Normand (INSA de Lyon, Villeurbanne, France): Influence of controlled shape defects on the corrosion behaviour of gold coated stainless steel.
14:20	78601	Kyohei Otani (Hokkaido University, Sapporo, Japan) / Masatoshi Sakairi (Hokkaido University, Sapporo, Japan): Effects of metal cations on corrosion inhibition ability of sodium gluconate for mild steel in fresh water
14:40	79316	Apolline Lecercle (ICB, UMR 6303 CNRS-Université de Bourgogne Franche-Comté, Dijon, France) / Vincent Vignal (ICB, UMR 6303 CNRS-Université de Bourgogne Franche-Comté, Dijon, France): Corrosion of brass-coated steel wires in saline water: Focus on the brass composition impact studied by EIS under cathodic polarisation
15:00	81516	Dagmar Rückle (Materialprüfungsanstalt (MPA) Universität Stuttgart, Germany) / Stefanie Kaesche (Materialprüfungsanstalt (MPA) Universität Stuttgart, Germany) / Isabell Kowalczyk (Hochschule Aalen, Germany) / Sannakaisa Virtanen (Friedrich-Alexander-Universität Erlangen - Nürnberg, Erlangen, Germany) / Burkhard Heine (Hochschule Aalen, Germany) / Harald Garrecht (Materialprüfungsanstalt (MPA) Universität Stuttgart, Germany): Electrochemical impedance spectroscopy of different steels in molten solar salt at high temperatures
15:20	92261	Paul Denissen (Delft University of Technology, Delft, Netherlands) / Santiago Garcia (Delft University of Technology, Delft, Netherlands): Hyphenated opto-electrochemistry for the development of self-healing coatings
15:40		Coffee break
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>A. Mol</i>
16:10	86056	Poorwa Gore (IITB-Monash Research Academy, Mumbai, India) / V. S. Raja (IIT Bombay, Mumbai, India) / Nick Birbilis (Monash University, Melbourne, Australia): Absence of negative difference effect on pure magnesium: A consequence of solution and surface chemistry

16:30	96982	Mohsen Esmaily (Chalmers University of Technology, Gothenburg, Sweden) / Jan-Erik Svensson (Chalmers University of Technology, Gothenburg, Sweden) / Lars-Gunnar Johansson (Chalmers University of Technology, Gothenburg, Sweden): Towards corrosion-resistant magnesium alloys
16:50	91121	Michael Strebl (University Erlangen-Nürnberg (FAU), Erlangen, Germany) / Sannakaisa Virtanen (University Erlangen-Nürnberg (FAU), Erlangen, Germany): Monitoring of low corrosion rates of magnesium alloys by the gravimetric hydrogen evolution collection method
17:10	95392	Alina Maltseva (Chimie ParisTech, PSL Research University, Paris, France) / Viacheslav Shkirskiy (Chimie ParisTech, PSL Research University, Paris, France) / Grégory Lefèvre (Chimie ParisTech, PSL Research University, Paris, France) / Polina Volovitch (Chimie ParisTech, PSL Research University, Paris, France): Corrosion products growth on low alloyed Mg
17:30	92516	Marlies Wiegand (Leuphana University of Lüneburg, Germany) / Oliver Opel (Leuphana University of Lüneburg, Germany) / Tanja Eggerichs (Leuphana University of Lüneburg, Germany) / Mani Zargari (Steinbeis Innovationszentrum energie+, Braunschweig, Germany) / Stefan Plesser (Steinbeis Innovationszentrum energie+, Braunschweig, Germany) / Tobias Otte (Leuphana University Lüneburg, Germany): Corrosion monitoring of heating and cooling systems in buildings using pH, redox potential, dissolved oxygen, temperature and conductivity measurements
19:00		Congress Dinner (Zofin Palace)

Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>F. King / G. Nakayama</i>
9:40	90296	Angus Cook (The University of Birmingham, United Kingdom) / Cristiano Padovani (Radioactive Waste Management Ltd., Harwell, United Kingdom) / Alison Davenport (University of Birmingham, United Kingdom): Long-term monitoring of atmospheric corrosion of stainless steels under ILW interim-storage conditions
10:00	77131	Jan Stouřil (University of Chemistry and Technology, Prague, Czech Republic) / Milan Kouril (University of Chemistry and Technology, Prague, Czech Republic) / Liudmila Pavlova (University of Chemistry and Technology, Prague, Czech Republic) / David Dobrev (UJV, Rez, Czech Republic) / Jenny Gondolli (UJV, Rez, Czech Republic) / Ilona Pospiskova (SÚRAO, Prague, Czech Republic): 1D numerical simulation of galvanic corrosion of canister structural materials in compacted benonite
10:20	87141	Joakim Halldin Stenlid (KTH Royal Institute of Technology, Stockholm, Sweden) / Adam Johannes Johansson (Swedish Nuclear Fuel and Waste Management Company (SKB), Stockholm, Sweden) / Christofer Leygraf (KTH Royal Institute of Technology, Stockholm, Sweden) / Tore Brinck (KTH Royal Institute of Technology, Stockholm, Sweden): Atomic-scale modelling of copper corrosion in anoxic and sulphide containing water
10:40		Coffee break
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>M. Jonsson / J. Stouřil</i>
11:10	87656	Véronique Dewynter-Marty (Université Paris-Saclay, Gif-sur-Yvette, France) / Laure Chomat (Université Paris-Saclay, Gif-sur-Yvette, France) / William Guillot (Université Paris-Saclay, Gif-sur-Yvette, France) / Etienne Amblard (Université Paris-Saclay, Gif-sur-Yvette, France) / Xavier Bourbon (Andra, Chatenay-Malabry, France) / Delphine Durand (Université Paris-Saclay, Gif-sur-Yvette, France) / Manon Cornaton (Université Paris-Saclay, Gif-sur-Yvette, France): Concrete radiolysis effect on steels corrosion and comparison with non-irradiated material
11:30	76306	Fraser King (Integrity Corrosion Consulting Ltd, Nanaimo, Canada) / Scott Briggs (Dynamic Consulting, Uxbridge, Canada) / Nikitas Diomidis (Nagra, Wettingen, Switzerland) / Niels Giroud (Nagra, Wettingen, Switzerland): Consumption of Oxygen in A Full-scale SF/HLW Disposal Tunnel – Experimental Measurements and the Results of Preliminary Modelling
11:50	76191	Fraser King (Integrity Corrosion Consulting Ltd, Nanaimo, Canada) / Chi-Che Hung (Institute of Nuclear Energy Research, Taoyuan, Taiwan) / Yuan-Chieh Wu (Institute of Nuclear Energy Research, Taoyuan, Taiwan): Corrosion Assessment of High-Level Radioactive Waste Disposal Canisters in Crystalline Rock Based on Hydrogeological Modelling
12:10	77091	David Dobrev (UJV Rež, plc., Husinec, Czech Republic) / Jenny Gondolli (UJV Rež, plc., Husinec, Czech Republic) / Jana Steinová (Technical University of Liberec, Czech Republic) / Milan Zuna (UJV Rež, plc., Husinec, Czech Republic) / Ilona Pospíšková (SÚRAO, Praha, Czech Republic): Corrosion of carbon steel in compacted bentonite under in-situ granitic host rock conditions
12:30		Lunch
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>N. Diomidis / I. Pospiskova</i>
14:00	89381	Sophia Necib (ANDRA, Chatenay-Malabry, France) / Yannick Linard (Andra, Bure, France) / Sylvie Daumas (CFG Services, Marseille, France) / Alexandre Bellefleur (EDF, Moret/s Loing, France) / Michel Schlegel (CEA, Bures s/Yvette, France): Corrosion of metallic materials in compacted Callovo-Oxfordian Claystone at 50°C
14:20	75122	Gen Nakayama (IHI Corporation, Yokohama, Japan) / Ippei Shinozaki (IHI Corporation, Yokohama, Japan) / Yohei Sakakibara (IHI Corporation, Yokohama, Japan): Evaluation of the corrosion behavior of carbon steel for overpack application under buried conditions
14:40	73931	Mathieu Robineau (University of La Rochelle; Andra, La Rochelle; Châtenay-Malabry, France) / René Sabot (University of La Rochelle, France) / Marc Jeannin (University of La Rochelle, France) / Alexandre Romaine (University of La Rochelle; Andra, La Rochelle; Châtenay-Malabry, France) / Philippe Refait (University of La Rochelle, France): Galvanic corrosion of carbon steel in anoxic conditions at 80°C associated with a heterogeneous magnetite (Fe₃O₄) / mackinawite (FeS) layer

15:00	76651	Aurélien Fabas (Université de Bourgogne, Dijon, France) / Brice Ravat (CEA Centre de Valduc, Is-sur-Tille, France) / Lionel Jolly (CEA Centre de Valduc, Is-sur-Tille, France) / Benoît Oudot (CEA Centre de Valduc, Is-sur-Tille, France) / Ioana Popa (Université de Bourgogne, Dijon, France) / François Delaunay (CEA Centre de Valduc, Is-sur-Tille, Finland): Oxidation kinetics of Pu stabilized in δ-phase
15:20	88506	Charly Carrière (Université Paris-Saclay, CEA Saclay, Gif sur Yvette, France) / Delphine Neff (Université Paris-Saclay, CEA Saclay, Gif sur Yvette, France) / Eddy Foy (Université Paris-Saclay, CEA Saclay, Gif sur Yvette, France) / Florence Mercier-Bion (Université Paris-Saclay, CEA Saclay, Gif sur Yvette, France) / Christelle Martin (Andra, Chatenay Malabry, France) / James Dynes (Canadian Light Source, Saskatoon, Canada) / Muriel Bouttemy (ILV, Université de Versailles Saint-Quentin en Yvelines, Versailles, France) / Arnaud Etcheberry (ILV, Université de Versailles Saint-Quentin en Yvelines, Versailles, France) / Philippe Dillmann (Université Paris-Saclay, CEA Saclay, Gif sur Yvette, France): Influence of iron corrosion on nuclear glass alteration processes: nanoscale investigations of the iron-containing phases
15:40		Coffee break
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	S. Necib / F. King
16:10	84556	Mats Jonsson (KTH Royal Institute of Technology, Stockholm, Sweden) / Christofer Leygraf (KTH Royal Institute of Technology, Stockholm, Sweden) / Åsa Björkbacka (KTH Royal Institute of Technology, Stockholm, Sweden) / Magnus Johnson (KTH Royal Institute of Technology, Stockholm, Sweden): On the mechanism of radiation induced corrosion of copper in anoxic water and humid atmospheres
16:30	77772	Milan Kouril (University of Chemistry and Technology, Prague, Czech Republic) / Jan Stoullil (University of Chemistry and Technology, Prague, Czech Republic) / Darya Novikova (University of Chemistry and Technology, Prague, Czech Republic) / Tomas Lovasi (University of Chemistry and Technology, Prague, Czech Republic) / David Dobrev (UJV Rez, Husinec, Czech Republic) / Jenny Gondolli (UJV Rez, Husinec, Czech Republic) / Ilona Pospiskova (SURA0, Prague, Czech Republic): One year exposure test results of steel based candidate container materials
16:50	87111	Nikitas Diomidis (Nagra, Wettingen, Switzerland): Overview of the anaerobic corrosion of carbon steel in bentonite: ex-situ and in-situ experiments in different host rocks
17:10	95692	Nicolas Bulidon (Institut de la corrosion, Fraisses, France) / Claude Duret-Thual (Institut de la corrosion, Fraisses, France) / Marion Fregonese (INSA Lyon, Villeurbanne, France) / Sophia Necib (ANDRA, Bure, France): Study of C-steel resistance to environmentally assisted cracking in radioactive waste disposal conditions
17:30	75871	Michel Schlegel (CEA Saclay, Gif sur Yvette, France) / Frantz Martin (CEA Saclay, Gif-sur-Yvette, France) / Marfe Fenart (CEA Saclay, Gif-sur-Yvette, France) / Cécile Blanc (CEA Saclay, Gif-sur-Yvette, France) / Eddy Foy (CEA Saclay, Gif-sur-Yvette, France) / Mohamed Sennour (Mines ParisTech, Evry, France) / Nicolas Trcera (Synchrotron SOLEIL, Saint-Aubin, France) / Philippe Dillmann (CEA Saclay, Gif-sur-Yvette, France) / Delphine Neff (CEA Saclay, Gif-sur-Yvette, France) / Jay Dynes (CLS, Saskatoon, Canada): The compact steel-clay corrosion interface under anoxic conditions at 90°C: Short-term evolution and long-term continuity
19:00		Congress Dinner (Zofin Palace)

Meeting Hall IA		Cathodic Protection
	Chair(s)	M. Roche / J. Cruzillac
9:40		WP 16 Meeting
10:40		Coffee break
Meeting Hall IA		Cathodic Protection
	Chair(s)	M. Roche / J. Cruzillac
11:10		WP 16 Meeting
12:30		Lunch

Meeting Hall IA		Environment Sensitive Fracture
	Chair(s)	T. Shoji
14:00	99785	Keynote lecture. Sergei A. Shipilov (Materials Science and Technology Division, Oak Ridge National Laboratory, Oak Ridge, USA): History of SCC Research: A Record of Progress
14:40	75002	Edoardo Proverbio (University of Messina, Italy) / Luigi Calabrese (University of Messina, Italy) / Massimiliano Galeano (University of Messina, Italy) / Domenico Di Pietro (GE Oil & Gas, Firenze, Italy) / Angelo Donato (GE Oil & Gas, Firenze, Italy): Effect of thiosulphate concentration on corrosion mechanisms of 13% Cr martensitic stainless steel corrosion in chloride solution
15:00	96737	Clément Gayton (Armines - GE Oil&Gas, Paris, France) / Alexia ROZINOER (GE Oil & Gas, Le Creusot, France) / Cédric BOSCH (Ecole des Mines de Saint-Etienne, France) / Krzysztof WOLSKI (Ecole des Mines de Saint-Etienne, France) / Jacques STOLARZ (Ecole des Mines de Saint-Etienne, France): Stress corrosion cracking study of a super martensitic stainless steel in high content sulfide environments
15:20	93852	Jose Bolivar (INSA de Lyon, Villeurbanne, France) / Marion Fregonese (Insa de Lyon, Villeurbanne, France) / François Huet (Université Pierre et Marie Curie, Paris, France): Application of electrochemical noise measurements for stress corrosion cracking studies: influence of current partition and instrumental noise
15:40		Coffee break

Meeting Hall IA		Environment Sensitive Fracture
	Chair(s)	<i>K. Wolski</i>
16:10	83071	Tim De Seranno (Ghent University, Zwijnaarde, Belgium) / Evelyn De Meyer (Ghent University, Ghent, Belgium) / Arne Verliefde (Ghent University, Ghent, Belgium) / Kim Verbeke (Ghent University, Zwijnaarde, Belgium): Degradation of the mechanical integrity of steam turbine steels due to stress-corrosion cracking in acidic water
16:30	89786	Cem Örnek (KTH Royal Institute of Technology, Stockholm, Sweden) / Ulf Kivisäkk (AB Sandvik Materials Technology, Sandviken, Sweden) / Dirk L. Engelberg (University of Manchester, Manchester, United Kingdom) / Jinshan Pan (KTH Royal Institute of Technology, Stockholm, Sweden): Hydrogen Embrittlement of Duplex Stainless Steels – An Experimental Approach to Better Understand the Effects of Microstructure and Strain
16:50	92381	Darya Novikova (University of Chemistry and Technology Prague, Czech Republic) / Tomas Prosek (University of Chemistry and Technology Prague, Czech Republic) / Andreas Muhr (voestalpine Stahl GmbH, Linz, Austria) / Hubert Duchaczek (voestalpine Stahl GmbH, Linz, Austria) / Gerald Luckeneder (voestalpine Stahl GmbH, Linz, Austria) / Pavel Novák (University of Chemistry and Technology Prague, Czech Republic) / Pavel Salvetr (University of Chemistry and Technology Prague, Czech Republic): Micro-scale characterisation of hydrogen content and permeability of high strength steels
17:10	74887	Elia Tohme (École des mines de Saint-Étienne, France) / Vincent Barnier (École des Mines de Saint-Étienne, France) / Frédéric Christien (École des Mines de Saint-Étienne, France) / Cédric Bosch (École des Mines de Saint-Étienne, France) / Krzysztof Wolski (École des Mines de Saint-Étienne, France): Hydrogen diffusion in a duplex stainless steel observed using Scanning Kelvin Probe Force Microscopy (SKPFM)
17:30	86121	Frederic Christien (Ecole des Mines de Saint-Etienne, France) / Elia Tohme (Ecole des Mines de Saint-Etienne, France) / Vincent Barnier (Ecole des Mines de Saint-Etienne, France) / Cédric Bosch (Ecole des Mines de Saint-Etienne, France) / Krzysztof Wolski (Ecole des Mines de Saint-Etienne, France): Modelling of up-hill hydrogen diffusion in a duplex steel. Application to the “Kelvin Probe” experiment
19:00		Congress Dinner (Zofin Palace)

Club A		Corrosion in the Refinery Industry
	Chair(s)	<i>F. Ropital / J. van Roij</i>
9:40	96072	Ahmad Zamani Gharaghooshi (MOP, Tehran, Iran): Corrosion management plan and results in Iran ministry of petroleum (Case study)
10:00	72672	Faraj Omer (Raslanuf Oil & Gas Processing Co, Rasco, Libya): Chemical Treatment of Un-treated Close Cooling Water System
10:20	99030	Chris Claesen (NALCO Champion, Antwerp, Belgium) / Martin Vosecký (NALCO Champion, Antwerp, Belgium) / Phil Thornthwaite (NALCO Champion, Antwerp, Belgium): Crude Distillation Unit Corrosion and Fouling Mitigation Trough the Early Detection and Removal of Tramp Amines
10:40		Coffee break
Club A		Impact of testing conditions on cracking mechanisms under hydrogen charging
	Chair(s)	<i>M. Wilms / K. Wolski</i>
11:10	93267	Steve Paterson (Shell Projects and Technology, Amsterdam, Netherlands) / Marc Wilms (Shell Global Solutions International, Amsterdam, Netherlands): Common cracking mechanisms in corrosion resistant alloys in oil and gas production and the influence of testing factors on application
11:30	90046	James Hesketh (National Physical Laboratory, London, United Kingdom) / Gareth Hinds (NPL, London, United Kingdom) / Alan Turnbull (NPL, London, United Kingdom): Role of H₂S in pitting of stainless steel in sour oil and gas applications
11:50	74797	Jean Kittel (IFP Energies nouvelles, Solaize, France) / Martien Duvall Deffo Ayagou (Institut de la Corrosion, Fraisses, France) / Christophe Mendibide (Institut de la Corrosion, Fraisses, France) / Claude Duret-Thual (Institut de la Corrosion, Fraisses, France) / Eliane Sutter (Sorbonne Universités, Paris, France) / Mai Tran (Sorbonne Universités, Paris, France) / Bernard Tribollet (Sorbonne Universités, Paris, France) / Nicolas Ferrando (IFP Energies nouvelles, Rueil-Malmaison, France): Impact of oxygen on corrosion and hydrogen permeation of unalloyed steel in presence of H₂S
12:10	79331	Virginie Richoux (Vallourec Research Center France, Aulnoye Aymeries, France) / Hafida El Alami (Vallourec Research Center France, Aulnoye Aymeries, France) / Cécile Millet (Vallourec Research Center France, Aulnoye Aymeries, France) / Harold Evin (Vallourec Research Center France, Aulnoye Aymeries, France) / Guillaume Néel (Vallourec Oil & Gas France, Aulnoye Aymeries, France): Influence of Solution Buffering on Corrosion Resistance of Super Martensitic Stainless Steels
12:30		Lunch
Club A		Impact of testing conditions on cracking mechanisms under hydrogen charging
	Chair(s)	<i>M. Wilms / K. Wolski</i>
14:00	72497	Yasuhide Ishiguro (JFE Steel Corporation, Handa Aichi, Japan) / Kazuki Fujimura (JFE Steel Corporation, Handa, Japan): Stability of buffer solution for stainless steel's OCTG corrosion test to evaluate SSC and SSC resistance
14:20	81636	Antoine Pourbaix (Centre Belge d'Etude de la Corrosion - CEBELCOR, Waterloo, Belgium) / Mioara Stroe (Total, Pau, France): Hydrogen cracking of buried pipelines
14:40	75547	Kazuhiko Baba (JFE Steel Corporation, Kawasaki, Japan) / Daisuke Mizuno (JFE Steel Corporation, Kawasaki, Japan) / Kenichiro Eguchi (JFE Steel Corporation, Handa, Japan) / Nobuyuki Ishikawa (JFE Steel Corporation, Kawasaki, Japan): Initiative Corrosion of Stainless Steel in Hydrogen Sulfide Environment

15:00	90961	Waldemar Krieger (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany) / Sergiy Merzlikin (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany) / Asif Bashir (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany) / Hauke Springer (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany) / Michael Rohwerder (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany): Influence of strengthening mechanisms and environmental conditions on the performance of ferritic steels
15:20	83411	Anitha Pushparasah (Université Paris-Saclay, Gif-sur-Yvette, France) / Frantz Martin (Université Paris-Saclay, Gif-sur-Yvette, France) / Quentin Auzoux (Université Paris-Saclay, Gif-sur-Yvette, France) / Sebastian Cobo (ArcelorMittal Global Research and Development Maizières Automotive Product, Maizières-lès-Metz, France) / Thomas Dieudonne (ArcelorMittal Global Research and Development Maizières Automotive Product, Maizières-lès-Metz, France) / Laura Moli-Sanchez (ArcelorMittal Global Research and Development Gent, Belgium) / Krzysztof Wolski (Ecole des Mines de Saint-Etienne, France): Hydrogen distribution in a MnAl high strength steel and its effect on mechanical properties
15:40		Coffee break
Club A		Impact of testing conditions on cracking mechanisms under hydrogen charging
	Chair(s)	<i>M. Wilms / K. Wolski</i>
16:10	93682	Michael Brown (University of Manchester, United Kingdom) / Michael Preuss (University of Manchester, United Kingdom) / Steve McCoy (Special Metals, PCC Metals Group, Hereford, United Kingdom) / <u>Dirk Engelberg</u> (University of Manchester, United Kingdom): Observation of Hydrogen Diffusion, Retention, and Embrittlement in Nickel-base Alloy 718 and Alloy 945X
16:30	83771	Sebastian Thomas (Monash University, Clayton, Australia) / Ruiliang Liu (Monash University, Clayton, Australia) / Guruprasad Sundararajan (GE Global Research, Bangalore, India) / Cory Wong (Monash University, Clayton, Australia) / Nick Birbilis (Monash University, Clayton, Australia): On the mechanism of hydrogen induced corrosion of steels
16:50	87316	<u>Sarah Reuter</u> (Université catholique de Louvain, Louvain-la-Neuve, Belgium) / Cédric Georges (CRM group, Liège, Belgium) / Pascal J. Jacques (Université catholique de Louvain, Louvain-la-Neuve, Belgium): Optimisation of the corrosion rate of iron-based alloys for bioresorbable stent applications by surface acidification

Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>Winning / S. Paterson</i>
17:10	86721	<u>Taishi Fujishiro</u> (Nippon Steel & Sumitomo Metal Corporation, Amagasaki, Japan) / Takuya Hara (Nippon Steel & Sumitomo Metal Corporation, Amagasaki, Japan): In-situ observation of Hydrogen Induced Cracking propagation behavior
17:30	92166	<u>Hussam Attar</u> (Saudi Aramco, Dhahran, Saudi Arabia) / Abderrazak Traidia (Saudi Aramco, Dhahran, Saudi Arabia) / <u>abdullah Enezi</u> (Saudi Aramco, Dhahran, Saudi Arabia): Acoustic emission monitoring of HIC growth in carbon steels: Laboratory testing
19:00		Congress Dinner (Zofin Palace)

Club C		Corrosion of Archaeological and Historical Artefacts
	Chair(s)	<i>C. Leygraf / P. Letardi</i>
9:40	93136	<u>Douglas J. Mills</u> (University of Northampton, United Kingdom) / Tian Yang Lan (University of Northampton, United Kingdom) / Sina Jamali (University of Wollongong, Australia) / Yue Zhao (University of Wollongong, Australia): Improvements in design of probes for in-situ evaluation of corrosion damage of cultural artefacts using non-destructive electrochemical measurements
10:00	76741	<u>Laura Brambilla</u> (Haute Ecole Arc Conservation- Restauration, Neuchatel, Switzerland) / Fabio Cova Caiazzo (Ecole Polytechnique Fédérale de Lausanne, Switzerland) / Aline Michel (Haute Ecole Arc Conservation-restoration, Neuchâtel, Switzerland) / Stefano Mischler (Ecole Polytechnique Fédérale de Lausanne, Switzerland) / Régis Bertholon (Haute Ecole Arc Conservation-restoration, Neuchâtel, Switzerland): Corrosion of cans in collections: the results of the CANS project
10:20	84161	<u>Jan Svadlena</u> (University of Chemistry and Technology, Prague, Czech Republic) / Jan Stoulik (University of Chemistry and Technology, Prague, Czech Republic) / Eva Voracova (University of Chemistry and Technology, Prague, Czech Republic): Corrosion of silver in environment containing halides, pseudohalides and thiourea
10:40		Coffee break
Club C		Corrosion of Archaeological and Historical Artefacts
	Chair(s)	<i>C. Leygraf / P. Letardi</i>
11:10	88021	<u>Ortiz Janette</u> (Facultad de Química, UNAM, México, D.F., Mexico) / Esteban García Ochoa (Universidad Autónoma de Campeche, Campeche, Mexico) / José Luis Ruvalcaba Sil (Universidad Nacional Autónoma de México, Mexico) / Francisco Javier Rodríguez-Gómez (Facultad de Química, UNAM, México, Mexico): Influence of Relative Humidity on the Atmospheric Corrosion in Silver by Electrochemical Noise and Recursive Analysis
11:30	93787	<u>Sabrina Grassini</u> (Politecnico di Torino, Italy) / Emma Angelini (Politecnico di Torino, Italy) / Venice Gouda (National Research Centre, Cairo, Egypt) / Marco Parvis (Politecnico di Torino, Italy) / Panayota Vassiliou (National Technical University of Athens, Greece): Tarnishing evolution monitoring on silver artefacts in a museum indoor environment
11:50	81206	<u>Eva Svobodová</u> (National Technical Museum, Prague, Czech Republic) / Ivana Kopecká (National Technical Museum, Prague, Czech Republic) / Tomáš Čechák (Czech Technical University in Prague, Czech Republic) / Radek Prokeš (Czech Technical University in Prague, Czech Republic): Metallic varnishes in the past – historical pattern book, analyses, case studies
12:10		WP 21 meeting
12:30		Lunch

Club C		Joint session WP 1 & WP 14 & WP 21
	Chair(s)	<i>D. Neff / W. Fürbeth / G. Schmitt</i>
14:00	99760	Keynote. <u>John C. Scott</u> (New York Conservation Foundation in NYC, New York, USA): Perspectives on corrosion control in cultural heritage
14:40	95242	<u>Paola Letardi</u> (Istituto di Scienze Marine Consiglio Nazionale delle Ricerche CNR-ISMAR, Genova, Italy) / <u>Roberto Stifanese</u> (Istituto di Scienze Marine Consiglio Nazionale delle Ricerche CNR-ISMAR, Genova, Italy) / <u>Pierluigi Traverso</u> (Istituto di Scienze Marine Consiglio Nazionale delle Ricerche CNR-ISMAR, Genova, Italy): A difficult balance between simple and effective: some specific issues in the evaluation of protective coatings for Cultural Heritage metallic surfaces
15:00	88291	<u>David Edward Watkinson</u> (Cardiff University, Cardiff, United Kingdom) / <u>Nicola Emmerson</u> (Cardiff University, Cardiff, United Kingdom) / <u>Ian Channell</u> (Cardiff University, Cardiff, United Kingdom): Towards quantitatively assessing the success of dodecanoic acid as an inhibitor for the treatment of archaeological iron nails
15:20	89756	<u>Christopher McKenzie</u> (Clemson University, North Charleston, USA) / <u>Liisa Nasanen</u> (Clemson University, North Charleston, USA) / <u>Claire Achtyl</u> (Clemson University, North Charleston, USA) / <u>Justin Schwebler</u> (Clemson University, North Charleston, USA) / <u>Stephanie Crette</u> (Clemson University, North Charleston, USA): Performance testing of coatings for sustainable preservation of cannons and architectural elements at Fort Sumter National Monument
15:40		Coffee break
Club C		Joint session WP 1 & WP 14 & WP 21
	Chair(s)	<i>E. Angelini / K. Kreislova</i>
16:10	81196	<u>Jan Ruzicka</u> (National Technical Museum, Prague, Czech Republic): Restoration of a 19th Century Empire-style Treasure Chest
16:30	82171	<u>Cecilia Monticelli</u> (University of Ferrara, Ferrara, Italy) / <u>Vincenzo Grassi</u> (University of Ferrara, Ferrara, Italy) / <u>Carla Martini</u> (University of Bologna, Bologna, Italy) / <u>Cristina Chiavari</u> (University of Bologna, Bologna, Italy) / <u>Giuseppe Mavilia</u> (University of Ferrara, Ferrara, Italy) / <u>Federica Zanotto</u> (University of Ferrara, Ferrara, Italy) / <u>Giulia Masi</u> (University of Bologna, Bologna, Italy) / <u>Elena Bernardi</u> (University of Bologna, Bologna, Italy) / <u>Andrea Balbo</u> (University of Ferrara, Ferrara, Italy): Protectiveness of different silane coatings on patinated ancient and modern bronzes: Part 1
16:50	95722	<u>Giulia Masi</u> (Università di Bologna, Italy) / <u>Carla Martini</u> (Università di Bologna, Italy) / <u>Elena Bernardi</u> (Università di Bologna, Italy) / <u>Maria Chiara Bignozzi</u> (Università di Bologna, Italy) / <u>Cecilia Monticelli</u> (Università di Ferrara, Italy) / <u>Andrea Balbo</u> (Centro di Studi sulla Corrosione e Metallurgia "A. Daccò", Ferrara, Italy) / <u>Federica Zanotto</u> (Centro di Studi sulla Corrosione e Metallurgia "A. Daccò", Ferrara, Italy) / <u>Maelenn Aufray</u> (Université de Toulouse, France) / <u>Claudie Josse</u> (Université Fédérale de Toulouse, France) / <u>Jerome Esvan</u> (Centre Interuniversitaire de Recherche et d'Ingénierie des Matériaux, Toulouse, France) / <u>Luc Robbiola</u> (Université de Toulouse, France) / <u>Cristina Chiavari</u> (Università di Bologna, Ravenna, Italy): Protectiveness of different silane coatings on patinated ancient and modern bronzes: Part 2
17:10	82386	<u>Cecilia Monticelli</u> (University of Ferrara, Italy) / <u>Vincenzo Grassi</u> (University of Ferrara, Italy) / <u>Giuseppe Mavilia</u> (University of Ferrara, Italy) / <u>Federica Zanotto</u> (University of Ferrara, Italy) / <u>Andrea Balbo</u> (University of Ferrara, Italy): Entrapment of corrosion inhibitors in silane coatings to improve bronze corrosion protection
17:30	95587	<u>Giulia Masi</u> (Università di Bologna, Italy) / <u>Claudie Josse</u> (Centre de Microcaractérisation Raimond Castaing, Toulouse, France) / <u>Jerome Esvan</u> (Centre Interuniversitaire de Recherche et d'Ingénierie des Matériaux, Université de Toulouse, France) / <u>Elena Bernardi</u> (Università di Bologna, Italy) / <u>Carla Martini</u> (Università di Bologna, Italy) / <u>Maria Chiara Bignozzi</u> (Università di Bologna, Italy) / <u>Nina Gartner</u> (Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia) / <u>Tadeja Kosec</u> (Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia) / <u>Marko Kete</u> (GEIDA Environmental resource management Ltd., Vodice, Slovenia) / <u>Maelenn Aufray</u> (Centre Interuniversitaire de Recherche et d'Ingénierie des Matériaux, Toulouse, France) / <u>Luc Robbiola</u> (Université de Toulouse, France) / <u>Cristina Chiavari</u> (Università di Bologna, Ravenna, Italy): Micro-characterisation of innovative organic coatings applied for the protection of outdoor bronze monuments
19:00		Congress Dinner (Zofin Palace)

Club B		Corrosion of Polymers and Advanced Materials
	Chair(s)	<i>J. Heinemann</i>
9:40	97852	<u>Peter Guttman</u> (Montanuniversitaet Leoben, Austria) / <u>Gerald Pilz</u> (Montanuniversitaet Leoben, Austria) / <u>Denise Oelzant</u> (Montanuniversitaet Leoben, Austria): Deformation and aging behaviour of polymeric foams
10:00	74637	<u>Margit Weltschew</u> (BAM - Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany) / <u>Gabi Hoffmann</u> (Federal Institute of Materials Research and Testing (BAM), Berlin, Germany) / <u>Manuela Haufe</u> (Federal Institute for Materials Research and Testing (BAM), Berlin, Germany) / <u>Anka Kohl</u> (Federal Institute for Materials Research and Testing (BAM), Berlin, Germany): Investigations on the degree of damage of polyethylene grades as materials of heating oil storage tanks after a service life in excess of 25 years
10:20	86826	<u>Markus Schilling</u> (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany) / <u>Martin Böhning</u> (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany) / <u>Ute Niebergall</u> (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany): Damage of PE-HD due to environmental stress cracking induced by liquid media – FNCT testing
10:40		Coffee break
Club B		Corrosion of Polymers and Advanced Materials
	Chair(s)	<i>J. Heinemann</i>

11:10	97146	Jürgen Heinemann (Technische Universität Darmstadt, Darmstadt, Germany): Influence of profile structure of large spiral pipes on thermal insulation properties and internal pressure resistance
11:30	87481	Kevin Waterton (Intertek Production and Integrity Assurance, Manchester, United Kingdom): Compatibilty testing and life estimation of non-metallic materials for oil and gas service
11:50	72351	Johannes Derfler (Product Engineer, Bad Hall, Austria) / <u>Markus Haager</u> (Product Manager Fluoropolymers, Bad Hall, Austria): Fluorinated thermoplastic materials for the construction of corrosion resistant gas scrubbers
12:30		Lunch
Club B		Corrosion & Corrosion Protection of Drinking Water Systems
	Chair(s)	<i>J.-W. Erning</i>
14:00	86576	<u>Jan Nachazel</u> (COMTES FHT a.s., Dobruany, Czech Republic): Suitability of austenitic stainless steel in water industry application
14:20	71731	Sandra Manchet (Industeel Arcelormittal, Le Creusot Cedex, France) / <u>Bastien Chareyre</u> (Industeel, Le Creusot, France) / Didier Paul (Industeel, Charleroi, Belgium): Corrosion resistance of stainless steels after a 10-year exposure in various types of soils
14:40	83651	<u>Audrey Allion-Maurer</u> (Aperam, Isbergues, France) / Charles Leballeur (French Corrosion Institute, Brest, France) / Nicolas Larché (French Corrosion Institute, Brest, France): Crevice geometry and biofilm development impact on stainless steel durability in drinking water network
15:00	86401	<u>Ralf Feser</u> (University of applied sciences South Westphalia, Iserlohn, Germany) / Lena Lenzmann (University of applied sciences South Westphalia, Iserlohn, Germany) / Sven Schewe (IFINKOR Institut für Instandhaltung und Korrosionsschutztechnik gGmbH, Iserlohn, Germany): Pitting Corrosion of Copper Tubes for Drinking Water Applications Due to Silicate Films
15:20	76686	<u>Theresa Klein</u> (Institut für Korrosionsschutz Dresden GmbH, Dresden, Germany) / Antje Schöne (Institut für Korrosionsschutz Dresden GmbH, Dresden, Germany): Development of a Procedure to Prevent Dezincification of Brass Components in Drinking Water Installations
15:40		Coffee break
Club B		Corrosion & Corrosion Protection of Drinking Water Systems
	Chair(s)	<i>J.-W. Erning</i>
16:10	75011	<u>Johann-Wilhelm Erning</u> (Federal Institute for Material Research and Testing, Berlin, Germany): New test methods for the evaluation of the performance of copper alloys in drinking water
16:30	93382	<u>Angelika Becker</u> (IWW Water Centre, Mülheim, Germany): Discolouration of drinking water in water distribution networks: Flushing and corrosion protection
16:50		WP 19 Meeting
17:10		WP 20 Meeting
19:00		Congress Dinner (Zofin Palace)

Terrace 2		Automotive Corrosion
	Chair(s)	<i>E. Szala</i>
9:40	86646	Keynote. <u>Laurent Rougier</u> (Renault, Guyancourt, France): Corrosion dynamic test : new way of probing
10:20	73851	<u>Matthias Wünsche</u> (Daimler AG, Sindelfingen, Germany) / <u>Andreas Mittelbach</u> (Daimler AG, Sindelfingen, Germany) / <u>Roland Bachmann</u> (Daimler AG, Sindelfingen, Germany) / <u>Günther Prokop</u> (TU Dresden, Professur für Kraftfahrzeug-technik, Dresden, Germany): When does corrosion start in simulations of e-coated edges?
10:40		Coffee break
Terrace 2		Automotive Corrosion
	Chair(s)	<i>E. Szala</i>
11:10	72512	<u>Yasuhide Ishiguro</u> (JFE Steel Corporation, Handa Aichi, Japan) / <u>Kazuki Fujimura</u> (JFE Steel Corporation, Handa, Japan) / <u>Shinji Ootsuka</u> (JFE Steel Corporation, Fukuyama, Japan) / <u>Akio Kobayashi</u> (JFE Steel Corporation, Chiba, Japan): Precise understanding of delayed-fracture-related diffusible hydrogen in steel measured by Thermal Desorption Spectroscopy
11:30	83531	<u>Shinji Ootsuka</u> (JFE steel Corporation, Fukuyama Hiroshima, Japan): Behavior of hydrogen absorption into steel sheet under automobile moving environment in deicing salt spraying area
11:50	87546	<u>Dwaipayam Mallick</u> (Université de Lyon, Villeurbanne, France) / <u>V.S Raja</u> (Indian Institute of Technology, Bombay, Mumbai, India) / <u>Nicolas Mary</u> (Université de Lyon, Villeurbanne, France): Galvanization effect on Hydrogen Susceptibility of High Strength Steels
12:10	97965	<u>Wonseog Yang</u> (Hyundai-Steel R&D Division, Dangji City, Korea, South) / <u>Hyejin Kim</u> (Hyundai-Steel R&D Division, Dangji City, Korea, South) / <u>Heonyoung Ha</u> (Korea Institute of Material Science, Changwon City, Korea, South) / <u>Flavien Vucko</u> (French Corrosion Institute, Brest, France) / <u>Manbeen Moon</u> (Hyundai-Steel R&D Division, Dangji City, Korea, South): Effects of Ti, Nb on hydrogen embrittlement sensitivity for automotive HPF Steel
12:30		Lunch
Terrace 2		Automotive Corrosion
	Chair(s)	<i>E. Szala / J. Nilsson</i>

14:00	83906	Marina Cornejo (Aleris Rolled Products Germany GmbH, Aachen, Germany) / Thomas Hentschel (Hydro Aluminium Rolled Products GmbH, Bonn, Germany) / Diana Koschel (Constellium Technology Center, Voreppe, France) / Christiane Matthies (TRIMET Aluminium SE, Essen, Germany) / Lionel Peguet (Constellium Technology Center, Voreppe, France) / Marcel Rosefort (TRIMET Aluminium SE, Essen, Germany) / Christian Schnatterer (Chair of Corrosion and Corrosion Protection, Aachen, Germany) / Elizabeth Szala (Aleris Rolled Products Germany GmbH, Koblenz, Germany) / Daniela Zander (Chair of Corrosion and Corrosion Protection, Aachen, Germany): Intergranular Corrosion Testing of 6000 Aluminum Alloys
14:20	85466	Coralie Balandret (MATIS Technologies, Boulogne Billancourt, France) / Valérie Orain (RENAULT SAS, Guyancourt, France) / Gilles ANDRE (RENAULT SAS, Guyancourt, France) / Vincent ROUSSE (RENAULT SAS, Guyancourt, France) / Laury SUZIN (MATIS Technologies, Boulogne Billancourt, France) / Florence LE-STRAT (RENAULT SAS, Guyancourt, France): C4S : A corrosion test for validation of aluminium technologies in cabin cars
14:40	96032	Kiryl Yasakau (Universidade de Aveiro, Aveiro, Portugal) / Silvar Kallip (University of Aveiro, Aveiro, Portugal) / Mario Ferreira (University of Aveiro, Aveiro, Portugal) / Mikhail Zheludkevich (Helmholtz-Zentrum Geesthacht, Geesthacht, Germany): In situ study of local corrosion initiation at cut edges of galvanized steels
15:00	89991	Cyril Nicard (ArcelorMittal, Maizières-les-Metz, France) / Christian Allely (ArcelorMittal, Maizières-les-Metz, France) / Vaclav Sefl (University of Chemistry and Technology, Prague, Czech Republic) / Jan Stouilil (University of Chemistry and Technology, Prague, Czech Republic) / Polina Volovitch (Chimie ParisTech, PSL Research University, Paris, France): Effect of alloying elements on the anticorrosion mechanisms of Al-based coatings
15:20	97226	Tseng-Chang Tsai (University of Kaohsiung, Taiwan) / Shang-Tien Tsai (Hawing GemS Technology Corporation, Taichung, Taiwan) / WenChyuan ChangJean (Hawing GemS Technology Corporation, Taichung, Taiwan) / Pei-Hsiun Chao (National University of Kaohsiung, Taiwan): Nano-Structured Silica Film for Non-Chromate Anti-corrosion Protection Layer of Metal Surfaces
15:40		Coffee break
Terrace 2		Automotive Corrosion
	Chair(s)	E. Szala / Nilsson
16:10	97382	Andreas Treitl (Pretreatment, Frankfurt, Germany): Evolution in thin film pretreatment - Performance enhancement on multi-metal surfaces
16:30	78032	Yonkyun Song (POSCO, Gwangyang, Korea, South) / Jihoon Park (POSCO, Gwangyang, Korea, South): Corrosion resistance of Ce-based conversion coating using EIS
16:50	75032	Joseph McDermid (McMaster University, Hamilton, Canada) / Yunkyum Kim (McMaster University, Hamilton, Canada) / Caitlin Dever (McMaster University, Hamilton, Canada) / Joseph Kish (McMaster University, Hamilton, Canada) / Frank Goodwin (International Zinc Association, Durham, USA): Effect of Zn Content on the Corrosion Properties of Hot Dip Zinc Galvanized Coatings on Press Hardened Steels
19:00		Congress Dinner (Zofin Palace)

North Hall		Cathodic protection in marine environment Joint session WP 9 & WP 16
	Chair(s)	J. Crouzillac / P. Refait
14:00	82656	Sven Morten Hesjevik (Statoil, Trondheim, Norway) / Stein Trygve Briskeby (Statoil, Porsgrunn, Norway) / Ole Øystein Knudsen (SINTEF, Trondheim, Norway) / Charlotte Marianne Okstad (NTNU, Trondheim, Norway) / Mari Gansmoøy Aspnes (NTNU, Trondheim, Norway): Formation of calcareous deposits under different exposure conditions
14:20	84706	Simone Louise Brasil (Federal University of Rio de Janeiro, Rio de Janeiro RJ, Brazil) / Julianne Nezgoda (Marinha do Brasil, Rio de Janeiro, Brazil): Analysis of calcareous layer formed on steel surface under cathodic protection
14:40	84181	Kemal Nisancioglu (Norwegian University of Science and Technology, Trondheim, Norway) / Sondre Røstbø (Norwegian University of Science and Technology, Trondheim, Norway) / Harald Solli (Norwegian University of Science and Technology, Trondheim, Norway) / Otto Lunder (SINTEF materials and Chemistry, Trondheim, Norway): Cathodic protection against galvanic-crevice corrosion of steel-aluminium couples in sea water
15:00	72342	Lars Lichtenstein (DNV GL SE, Hamburg, Germany): Corrosion protection design according to DNV GL standards and recommended practices - possibilities and boundaries
15:20	73432	Philippe Refait (University of La Rochelle, France) / Anne-Marie Grolleau (DCNS Research, Cherbourg, France) / Marc Jeannin (University of La Rochelle, France) / René Sabot (University of La Rochelle, France): Cathodic protection of complex carbon steel structures in confined marine media
15:40		Coffee break
North Hall		Cathodic protection in marine environment Joint session WP 9 & WP 16
	Chair(s)	J. Crouzillac / P. Refait
16:10	89526	Paolo Marcassoli (Cescor srl, Milan, Italy) / Monica Ginocchio (Cescor srl, Milan, Italy) / Bruno Bazzoni (Cescor srl, Milan, Italy): Modeling in selection, design and optimization of cathodic protection retrofit systems of offshore facilities
16:30	94617	Timothy Froome (CM BEASY Ltd, Southampton, United Kingdom) / John Baynham (CM BEASY Ltd, Southampton, United Kingdom): Effects of IR drop through electrolyte enclosed or partially enclosed between cathode surfaces
16:50	91481	Gro Østensen Lauvstad (FORCE Technology Norway, Trondheim, Norway) / Harald Osvoll (FORCE Technology Norway, Trondheim, Norway): Impact of rock dump on CP design for offshore structures and pipelines
17:10	72317	Roy Johnsen (NTNU, Trondheim, Norway): Hydrogen Induced Stress Cracking of Duplex Stainless Steel in Seawater – what do we know and what is still unknown?

17:30	90736	Andrey Goncharov (Transneft R&D, Moscow, Russia) / Nikolay Skuridin (Transneft R&D, Moscow, Russia) / Andrey Valyushok (Transneft R&D, Moscow, Russia) / Anton Zamyatin (Transneft R&D, Moscow, Russia) / Leonid Vladimirov (Transneft R&D, Moscow, Russia) / Vadim Korzinin (Transneft R&D, Moscow, Russia): Field testing of reference electrodes and anodes for cathodic protection in sea water
19:00		Congress Dinner (Zofin Palace)

Terrace 1		Corrosion reliability of Electronic Materials and Devices
	Chair(s)	<i>H. Schweigart / M. Jellesen</i>
9:40	94957	Overview. Rajan Ambat (Technical University of Denmark, Kongens Lyngby, Denmark): Overview of humidity driven failures in electronics
10:10	98190	Keynote. Gábor Harsányi (Budapest University of Technology and Economics, Budapest, Hungary) / László Gál (Budapest University of Technology and Economics, Budapest, Hungary) / Bálint Medgyes (Budapest University of Technology and Economics, Budapest, Hungary): Electrochemical migration on the interconnection networks used in microelectronics
10:40		Coffee break
Terrace 1		Corrosion reliability of Electronic Materials and Devices
	Chair(s)	<i>H. Schweigart / M. Jellesen</i>
11:10	80371	Sabine Knopke (Robert Bosch GmbH, Reutlingen, Germany) / Katharina Schultz (Robert Bosch GmbH, Reutlingen, Germany) / Klaus Micheler (Robert Bosch GmbH, Reutlingen, Germany): Electrochemical Corrosion and Thermal Effects in Electronic Systems
11:30	79211	Elke Ludwig (TU Wien, Wien, Austria) / Paul Linhardt (TU Wien, Vienna, Austria) / Maximilian Bonta (TU Wien, Vienna, Austria) / Andreas Limbeck (TU Wien, Vienna, Austria) / Johannes Frank (TU Wien, Vienna, Austria) / Silvia Larisegger (KAI, Villach, Austria) / Michael Nelhiebel (KAI, Villach, Austria): Corrosion of Copper in Combination with Polyimide
11:50	98145	Kamila Piotrowska (Technical University of Denmark, Lyngby, Denmark) / Morten Stendahl Jellesen (Technical University of Denmark, Lyngby, Denmark) / Rajan Ambat (Technical University of Denmark, Lyngby, Denmark): The influence of solder mask and hygroscopic flux residues on water layer formation on PCBA surface and corrosion reliability of electronics
12:10	96852	Jesper Konge (Grundfos A/S, Bjerringbro, Denmark): A strategic approach to Electronics Corrosion Reliability
12:30		Lunch
Terrace 1		Corrosion reliability of Electronic Materials and Devices
	Chair(s)	<i>M. Bálint / R. Ambat</i>
14:00	80611	Sabine Reither (Kompetenzzentrum Automobil- und Industrieelektronik GmbH, Villach, Austria) / Maximilian Bonta (Kompetenzzentrum Automobil- und Industrieelektronik GmbH, Villach, Austria) / Silvia Larisegger (Kompetenzzentrum Automobil- und Industrieelektronik GmbH, Villach, Austria) / Michael Nelhiebel (Kompetenzzentrum Automobil- und Industrieelektronik GmbH, Villach, Austria) / Andreas Limbeck (TU Wien, Wien, Austria) / Günter Faflek (TU Wien, Wien, Austria): Electrochemical characterization of copper films and comparison of strategies for corrosion protection
14:20	87386	Helmut Schweigart (Dr. O.K. Wack Chemie GmbH, Ingolstadt, Donau, Germany): Fast and Cost-Effective Coating Quality Test
14:40	83451	Vadimas Verdingovas (Technical University of Denmark, Kgs. Lyngby, Denmark) / Morten Jellesen (Technical University of Denmark, Kgs. Lyngby, Denmark) / Rajan Ambat (Technical University of Denmark, Kgs. Lyngby, Denmark): Critical level of water layer formation on PCBA and sequential failure
15:00	81676	Bálint Medgyes (Budapest University of Technology and Economics, Budapest, Hungary) / Gábor Harsányi (Budapest University of Technology and Economics, Budapest, Hungary) / László Gál (Budapest University of Technology and Economics, Budapest, Hungary): Electrochemical migration of Ni and ENIG surfaces finishes in different Na₂SO₄ solutions using THB tests
15:20	79376	Aliakbar Khangholi (Vrije Universiteit Brussel, Belgium) / Tom Hauffman (Vrije Universiteit Brussel, Belgium) / Eva Rogge (Europlasma, Oudenaarde, Belgium) / Samir Loulidi (Europlasma, Oudenaarde, Belgium) / Iris De Graeve (Vrije Universiteit Brussel, Belgium): Study of plasma polymer films for the corrosion protection of Printed Circuit Boards
15:40		Coffee break
Terrace 1		Corrosion reliability of Electronic Materials and Devices
	Chair(s)	<i>R. Ambat / M. Jellesen</i>
16:10	72626	Hiroyuki Abe (Hitachi Automotive Systems, Ltd., Ibaraki-ken, Japan) / Akio Yasukawa (Hitachi Automotive Systems, Ltd., Ibaraki-ken, Japan) / Rintaro Minamitani (Hitachi, Ltd., Research & Development Group, Ibaraki-ken, Japan) / Hiroyuki Saito (Tokyo Denki University, Tokyo, Japan): Corrosion life prediction of electronic module mounted in engine room by S8 gas released from rubber duct
16:30	73347	Tung Han Chuang (National Taiwan University, Taipei, Taiwan) / Yan Cheng Lin (National Taiwan University, Taipei, Taiwan) / Chun-Hao Chen (National Taiwan University, Taipei, Taiwan) / Chih-Hsin Tsai (Wire Technology Co., Taichung, Taiwan) / Shang-Chih Wang (Wire Technology Co., Taichung, Taiwan) / Hsing-Hua Tsai (Wire Technology Co., Taichung, Taiwan): Corrosion and Ion Migration of Ag-alloy Bonding Wires with various Pd and Au Contents
16:50	81251	Abhijeet Yadav (Technical University of Denmark, Lyngby, Denmark) / Visweswara Chakravarthy Gudla (Technical University of Denmark, Lyngby, Denmark) / Rajan Ambat (Technical University of Denmark, Lyngby, Denmark): Corrosion Reliability of Low Power Electrical Contacts
17:10	87216	Kirsten Weide-Zaage (Leibniz Universität Hannover, Hannover, Germany) / Helene Fremont (University of Bordeaux IMS laboratory UMR-5218, Bordeaux, France) / Alexandrine Guédon-Gracia (IMS laboratory UMR-5218, University of Bordeaux, Bordeaux, France) / Yuan Feng (RESRI Group, Leibniz Universität Hannover, Hannover, Germany) / Amin Chen (LUH IMS-RESRI, Hannover, Germany): Study of Corrosion in BGA Solder Balls
17:30		TF Meeting

19:00		Congress Dinner (Zofin Palace)
Club E		
Chair(s)		<i>R. Basseguy</i>
9:40	90211	Line Lilleby Bjering (Statoil ASA, Oslo, Norway) / Mads Kristian Fjellidal (Statoil ASA, Stavanger, Norway) / Nils Olav Ågotnes (Statoil ASA, Stavanger, Norway) / <u>Turid Liengen</u> (Statoil ASA, Porsgrunn, Norway): Microbial influenced corrosion (MIC) - A Case history
10:00	72162	Yasunori Tanji (Tokyo Institute of Technology, Yokohama, Japan): Molecular mechanism of souring caused by Desulfotignum species screened from the culture medium of crude oil and seawater
10:20	86186	Elina Huttunen-Saarivirta (VTT Technical Research Centre, VTT, Finland) / Pauliina Rajala (VTT Technical Research Centre of Finland Ltd, Espoo, Finland) / Leena Carpén (VTT Technical Research Centre of Finland Ltd, Espoo, Finland): Microbially induced corrosion (MIC) of carbon steel and stainless steels grades EN 1.4301 and EN 1.4432 in deep bedrock environment
10:40		Coffee break
Club E		
Chair(s)		<i>R. Basseguy</i>
11:10	87001	Jan Stouřil (University of Chemistry and Technology Prague, Czech Republic) / Antonín Vokál (SÚRAO, Prague, Czech Republic) / Hana Váňová (Centrum výzkumu Řež s.r.o., Husinec - Řež, Czech Republic) / Jana Steinová (Technical University Liberec, Czech Republic) / Rojina Shrestha (Technical University Liberec, Czech Republic) / Alena Ševců (Technical University Liberec, Czech Republic) / Petr Polivka (Centrum výzkumu Řež s.r.o., Husinec - Řež, Czech Republic) / <u>Tomáš Černoušek</u> (Centrum výzkumu Řež s.r.o., Husinec-Řež, Czech Republic): Microbially influenced corrosion of carbon steel under anaerobic conditions of repository environment containing sulphate reducing bacteria
11:30	91236	Guangming Jiang (The University of Queensland, St Lucia, Australia) / Philip Bond (The University of Queensland, St Lucia, Australia) / Jurg Keller (The University of Queensland, St Lucia, Australia) / Zhiguo Yuan (The University of Queensland, St Lucia, Australia): An overview of 10 years of research in understanding and preventing concrete corrosion in sewers
11:50	78406	<u>Takaomi Tsugawa</u> (Mitsubishi Chemical Corporation, Kurashiki, Japan) / Satoshi Wakai (Kobe University, Kobe, Japan): Case study of Microbiologically Influenced Corrosion in the Waste Water Transfer Piping in Chemical Plants
12:30		Lunch
Club E		
Chair(s)		<i>P. Cristiani</i>
14:00	88661	<u>Marco Hampel</u> (Federal Institute for Materials Research and Testing (BAM), Berlin, Germany) / Matthias Dimper (Federal Institute for Materials Research and Testing (BAM), Berlin, Germany) / Ozlem Ozcan (Federal Institute for Materials Research and Testing (BAM), Berlin, Germany): Combination of scanning electrochemical microscope with a multi-electrode analyser for resolving local processes during microbiologically influenced corrosion
14:20	82846	Nina Wurzler (BAM federal institute for materials research and testing, Berlin, Germany) / Ana Guilherme Buzanich (BAM federal institute for materials research and testing, Berlin, Germany) / Martin Radtke (BAM federal institute for materials research and testing, Berlin, Germany) / Uwe Reinholz (BAM federal institute for materials research and testing, Berlin, Germany) / Franziska Emmerling (BAM federal institute for materials research and testing, Berlin, Germany) / Hans-Jörg Kunte (BAM federal institute for materials research and testing, Berlin, Germany) / Ozlem Ozcan (BAM federal institute for materials research and testing, Berlin, Germany): Changes in the passive film chemistry on stainless steels during microbiologically influenced corrosion: A combined electrochemistry and XANES study
14:40	95827	<u>Eleni Kastania</u> (BAM, Berlin, Germany) / Anna Maria Elert (Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany) / Heinz Sturm (Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany) / Ozlem Ozcan (Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany): Mechanisms of initial attachment and biofilm formation of metal reducing bacteria on gold surfaces
15:00	95447	<u>Paul Linhardt</u> (TU Wien Inst. f. Chemische Technologien und Analytik, Wien, Austria): Direct assessment of microbial ennoblement in natural waters
15:20	96492	<u>Jan Sunner</u> (University of Oklahoma, Norman, USA) / <u>Iwona Beech</u> (University of Oklahoma, Norman, USA): Revising Mechanisms of Microbiologically-influenced corrosion: Why metabolomics is a future tool for MIC detection and mitigation
15:40		Coffee break
Club E		
Chair(s)		<i>R. Basseguy</i>
16:10	79721	<u>Matilda Zemanova</u> (Slovak University of Technology in Bratislava, Slovakia) / Jana Vávřová (Slovak University of Technology in Bratislava, Slovakia) / <u>Ludmila Křiřtořiková</u> (Slovak University of Technology in Bratislava, Slovakia) / <u>Vladimír Jorík</u> (Slovak University of Technology in Bratislava, Slovakia): Microbially induced corrosion of zinc based coatings by <i>A. niger</i>
16:30	93732	<u>Christoph K. Tanne</u> (Federal Institute for Geosciences and Natural Resources (BGR), Hannover, Germany) / <u>Axel Schippers</u> (Federal Institute for Geosciences and Natural Resources (BGR), Hannover, Germany): Electrochemical and microbial assisted dissolution of mineral sulfides in acidic and corrosive media for the recovery of value metals

16:50	91701	Zakari Makama (University of Oklahoma, Norman, USA) / Sukriye Celikkol Aydin (The University of Oklahoma, Norman, USA) / Egemen Aydin (Istanbul Technical University, Istanbul, Turkey) / Vincent Bonifay (University of Oklahoma, Norman, USA) / Jan Sunner (University of Oklahoma, Norman, USA) / <u>Iwona Beech</u> (University of Oklahoma, Norman, USA): Marine corrosion of 1018 carbon steel in the presence of traditional naval petro- and bio- fuel blends	M
17:10	86531	<u>Leslie Daille</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / Francisca Rubio (MERIC, Santiago, Chile) / Camila Aravena (Pontificia Universidad Católica de Chile, Santiago, Chile) / Francisco Armijo (Pontificia Universidad Católica de Chile, Santiago, Chile) / Magdalena Walczak (Pontificia Universidad Católica de Chile, Santiago, Chile) / Gonzalo Pizarro (Pontificia Universidad Católica de Chile, Santiago, Chile) / Ignacio Vargas (Pontificia Universidad Católica de Chile, Santiago, Chile) / Rodrigo De la Iglesia (Pontificia Universidad Católica de Chile, Santiago, Chile): Influence of marine diatoms on microbial induced corrosion of stainless steel	IN
17:30	86001	<u>Giorgia Ghiara</u> (Università degli studi di Genova, Italy) / Roberto Spotorno (Università degli studi di Genova, Italy) / Pierangela Cristiani (RSE-Ricerca sul Sistema Energetico S.p.A, Milano, Italy) / Paolo Piccardo (Università degli studi di Genova, Italy): Influence of microorganisms on corrosion of Cu-Al alloys destined to food production	
19:00		Congress Dinner (Zofin Palace)	

Club D		CO ₂ -Corrosion in industrial applications	
	Chair(s)	<i>R. Bäßler</i>	
9:40	81086	Samara A. Sadeek (Imperial College London, United Kingdom) / Daryl R. Williams (Imperial College London, United Kingdom) / Kyra L. Sedransk Campbell (Imperial College London, United Kingdom): Use of green inhibitors and pre-treated carbon steel for reduced corrosion in post-combustion capture infrastructure	
10:00	74042	<u>Kewei Gao</u> (University of Science and Technology Beijing, China) / Liang Wei (University of Science and Technology, Beijing, China) / Xiaolu Pang (University of Science and Technology Beijing, China): Corrosion behavior of low alloy steel weld joint in supercritical CO₂ environments	
10:20	97147	<u>Bjorn Morland</u> (Institute for Energy Technology, Kjeller, Norway) / Gaute Svenningsen (Institute for Energy Technology, Kjeller, Norway) / Morten Tjelta (Insitute for Energy Technology, Kjeller, Norway) / Arne Dugstad (IFE, Kjeller, Norway): In-situ visualization of corrosion in dense phase CO₂	
10:40		Coffee break	
Club D		CO ₂ -Corrosion in industrial applications	
	Chair(s)	<i>R. Bäßler</i>	
11:10	81036	<u>Shiladitya Paul</u> (Twi Ltd, Cambridge, United Kingdom) / Berenika Syrek-Gerstenkorn (National Structural Integrity Research Centre, Cambridge, United Kingdom): Potential application of thermally sprayed aluminium (TSA) in CCS	
11:30	80181	<u>Dirk Bettge</u> (Bundesanstalt für Material- forschung und -prüfung BAM, Berlin, Germany) / <u>Andreas Kratzig</u> (BAM, Berlin, Germany) / Axel Kranzmann (BAM, Berlin, Germany) / Quynh-Hoa Le (BAM, Berlin, Germany) / Ralph Bäßler (BAM, Berlin, Germany): Interaction of oxidizing and reductive components in CO₂ fluids in transport pipelines at low and high pressure and low temperature	
11:50	75636	<u>Quynh Hoa Le</u> (BAM - Federal Institute for Materials Research and Testing, Berlin, Germany) / Ralph Bäßler (BAM, Berlin, Germany) / Oleksandra Yevtushenko (BAM, Berlin, Germany) / Andreas Kratzig (BAM, Berlin, Germany) / Dirk Bettge (BAM, Berlin, Germany): Synergistic effects of impurities in the condensate on the corrosion of CO₂ transport pipeline	
12:10	74702	<u>Yuanhua Lin</u> (Southwest Petroleum University, Chengdu, China): Corrosion of rubber materials of packer for different CO₂ phase behavior in actual HTHP gas wells	
12:30		Lunch	
Club D		CO ₂ -Corrosion in industrial applications	
	Chair(s)	<i>R. Bäßler</i>	
14:00	75731	<u>Juan Xie</u> (Southwest Petroleum University, Chendu, China) / Hu Wang (School of Materials Science and Engineering, Chengdu, China): Synergism between gemini imidazolines and organic compounds as corrosion inhibitor of N80 steel in a CO₂-saturated brine solution	
14:20		TF Meeting	

Club D		Failure Analysis and Lifetime Prediction	
	Chair(s)	<i>En-Hou Han</i>	
15:00	73752	<u>Jaromír Janoušek</u> (Research Centre Rez, Plzeň, Czech Republic) / Stanislav Hřeben (Doosan Škoda Power, Plzeň, Czech Republic) / Josef Strejcius (Research Centre Rez, Plzeň, Czech Republic) / Josef Kasl (Research and Testing Institute Plzen, Plzeň, Czech Republic): Comparison of fatigue performance of blade steels T552 and T671 in a corrosive environment	
15:20	92196	<u>Maros Halama</u> (Technical University of Kosice, Slovakia) / Malgorzata Makowska-Janusik (Jan Dlugosz University Czestochowa, Slovakia) / Alexandra Kovalcikova (Slovak Academy of Science, Kosice, Slovakia): Prediction of redox properties and life-time of metallic nanoobjects in simulated body conditions	
15:40		Coffee break	
Club D		Failure Analysis and Lifetime Prediction	
	Chair(s)	<i>M. Halama</i>	

16:10	90806	Sanja Martinez (University of Zagreb, Croatia): Corrosion risk and life-cycle economics of LPG mounded bullets protected by high v.s. low maintenance coatings in combination with cathodic protection
16:30	98840	En-Hou Han (Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China): The failure analysis of a gasoline and diesel pipeline for internal corrosion and it's safety assessment
16:50	77862	Yulia Pronina (Saint Petersburg State University, Saint-Petersburg, Russia) / Olga Sedova (Saint Petersburg State University, Saint-Petersburg, Russia): Lifetime Prediction of Pressurized Tubes under Mechanochemical Corrosion Conditions
17:10	74971	Johann-Wilhelm Erning (Federal Institute for Material Research and Testing, Berlin, Germany): Canada in lower saxony or are penguins inhibitors?
19:00		Congress Dinner (Zofin Palace)

Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>H. Terry</i>
9:40	95302	Manon Lafouresse (CIRIMAT, Toulouse, France) / Marie-Laetitia de Bonfils-Lahovary (CIRIMAT, Toulouse, France) / Cédric Charvillat (CIRIMAT, Toulouse, France) / Loïc Oger (CIRIMAT, Toulouse, France) / Lydia Laffont (CIRIMAT, Toulouse, France) / <u>Christine Blanc</u> (CIRIMAT, Toulouse, France): Detection and localisation of hydrogen in a 2024 T351 aluminum alloy with local probe techniques
10:00	81351	Vy Lam (Norwegian University of Science and Technology, Trondheim, Norway) / John Walmsley (SINTEF Materials and Chemistry, Trondheim, Norway) / Trond Furu (Norsk Hydro ASA, Oslo, Norway) / <u>Otto Lunder</u> (SINTEF Materials and Chemistry, Trondheim, Norway): Intergranular Corrosion of Extruded AlMgSi(Cu, Zn) Alloys
10:20	76901	Christian Schnatterer (RWTH Aachen University, Aachen, Germany) / Daniela Zander (RWTH Aachen University, Aachen, Germany): On the Intergranular Corrosion Mechanisms of High Cu-Containing 6000 Aluminum Alloys
10:40		Coffee break
Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>V. Vignal</i>
11:10	91136	Seyyed Arash Haddadi (Sharif University of Technology, Tehran, Iran) / Majed Amini (Sharif University of Technology, Tehran, Iran) / Mohammad Mahdavian (Institute for Color Science and Technology, Tehran, Iran) / Ahmad Ramazani S.A. (Sharif University of Technology, Tehran, Iran): Molybdenum disulfide (MoS₂) nanoparticles application in active protective epoxy coating on mild steel
11:30	89621	<u>Min Liu</u> (KTH Royal Institute of Technology, Stockholm, Sweden) / Ying Jin (University of Science & Technology Beijing, Beijing, China) / Christofer Leygraf (KTH Royal Institute of Technology, Stockholm, Sweden) / Chuanhui Zhang (University of Science & Technology Beijing, China) / Lei Wen (University of Science & Technology Beijing, China) / Jinshan Pan (KTH Royal Institute of Technology, Stockholm, Sweden): First-principle calculations of Volta potential of intermetallic particles in Aluminum alloys and relevance to micro-galvanic corrosion
11:50	83541	<u>Michele Ferri</u> (Università degli Studi di Milano, Italy) / Monica Trueba (Università degli Studi di Milano, Italy) / Stefano P. Trasatti (Università degli Studi di Milano, Italy) / Marina Cabrini (Università degli Studi di Bergamo, Italy) / Antonietta Lo Conte (Politecnico di Milano, Italy): Investigation of the repassivation behavior of Al 7075-T6 under constant bending load and dynamic slow strain conditions
12:10	94822	Litao Yin (University of Science & Technology Beijing, China) / <u>Ying Jin</u> (University of Science & Technology Beijing, China) / Christofer Leygraf (Royal Institute of Technology, Stockholm, Sweden) / Jinshan Pan (Royal Institute of Technology, Stockholm, Sweden): Numeric simulation of pH effect on the micro-galvanic corrosion of Al alloys caused by intermetallic particles
12:30		Lunch
Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>M. Zheludkevich</i>
14:00	88681	<u>Alexander Lutz</u> (Vrije Universiteit Brussel, Belgium) / Linsey Lapeire (Ghent University, Ghent, Belgium) / Herman Terry (Vrije Universiteit Brussel, Belgium) / Iris De Graeve (Vrije Universiteit Brussel, Belgium): Avoiding Preferential Grain Etching in Recycled Aluminum 6xxx Extrusion Profiles
14:20	90381	<u>Cristian Testa</u> (Università di Bergamo - DISA, Dalmine, Italy) / Tommaso Pastore (Università di Bergamo - DISA, Dalmine, Italy) / Marina Cabrini (Università di Bergamo - DISA, Dalmine, Italy) / Sergio Lorenzi (INSTM Unità di Bergamo, Dalmine, Italy) / Diego Manfredi (Istituto Italiano di Tecnologia, Torino, Italy) / Flaviana Calignano (Istituto Italiano di Tecnologia, Torino, Italy) / Massimo Lorusso (Istituto Italiano di Tecnologia, Torino, Italy) / Paolo Fino (INSTM - Politecnico di Torino, torino, Italy): Corrosion behavior of aluminum-silicon alloys obtained by Direct Metal Laser Sintering
14:40	80416	<u>Tiago Galvão</u> (CICECO-Aveiro Institute of Materials, Aveiro, Portugal) / Cristina S. Neves (CICECO-Aveiro Institute of Materials, Aveiro, Portugal) / Germán Pérez-Sánchez (CICECO-Aveiro Institute of Materials, Aveiro, Portugal) / Stanley Udochukwu Ofoegbu (CICECO-Aveiro Institute of Materials, Aveiro, Portugal) / Mikhail L. Zheludkevich (Helmholtz-Zentrum Geesthacht, Geesthacht, Germany) / José R. B. Gomes (CICECO-Aveiro Institute of Materials, Aveiro, Portugal) / João Tedim (CICECO-Aveiro Institute of Materials, Aveiro, Portugal) / Mário G. S. Ferreira (CICECO-Aveiro Institute of Materials, Aveiro, Portugal): Molecular modeling of self-healing layered double hydroxide particles and conversion films
15:00	76821	<u>Reynier Revilla</u> (Vrije Universiteit Brussel, Belgium) / Stéphane Godet (Université Libre de Bruxelles, Brussels, Belgium) / Iris De Graeve (Vrije Universiteit Brussel, Belgium): On the local corrosion mechanism of additive manufactured AlSi10Mg aluminium alloys
15:20	81421	Luiz Ecco (University of Trento, Italy) / Michele Fedel (University of Trento, Italy) / Stefano Rossi (University of Trento, Trento, Italy) / <u>Flavio Deflorian</u> (University of Trento, Italy): Colloidal cerium oxide nanoparticles: preparation and corrosion inhibition effect on aluminum AA5005 alloy

15:40		Coffee break
Meeting Hall V		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>F. Deflorian</i>
16:10	72772	A. Kosari (Delft University of Technology, Delft, Netherlands) / Y. Gonzalez-Garcia (Delft University of Technology, Delft, Netherlands) / S.K.M. Malladi (Delft University of Technology, Delft, Netherlands) / H. Zandbergen (Delft University of Technology, Delft, Netherlands) / F. Tichelaar (Delft University of Technology, Delft, Netherlands) / H. Terryn (Vrije Universiteit Brussel, Belgium) / J.M.C. Mol (Delft University of Technology, Delft, Netherlands): Quasi in-situ TEM study of Ce-based inhibitor interaction with AA2024-T3
16:30	81741	Stéphanie Thiébaud (CEA, Is-sur-Tille, France) / Sylvain Ringeval (CEA, Is-sur-Tille, France) / Lionel Jolly (CEA, Is-sur-Tille, France) / Maxime Hoclet (CEA, Is-sur-Tille, France) / Vincent Vignal (Université de Bourgogne Franche Comté, Dijon, France): Corrosion study of a medium strength Al-Zn-Mg alloy and selection of a new anti-corrosion treatment involving Cr³⁺ ions
16:50	84371	Caio Palumbo de Abreu (Université Pierre et Marie Curie, Paris, France) / Hercilio Gomes de Melo (Universidade de São Paulo, Brazil) / Nadine Pébère (Université de Toulouse, France) / <u>Isolda Costa</u> (Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil) / Vincent Vivier (Université Pierre et Marie Curie, Paris, France) / Vishnu Mogili (Laboratório Nacional de Nanotecnologia, Campinas, Brazil): Corrosion resistance evaluation of the different zones on the AA2024-T3 and AA7475-T651 alloys welded by FSW
17:10	75382	Andrey Gnedenkov (Institute of Chemistry Far Eastern Branch Russian Academy of Sciences, Vladivostok, Russia) / Sergey Sinebryukhov (Institute of Chemistry Far Eastern Branch Russian Academy of Sciences, Vladivostok, Russia) / Dmitry Mashtalyar (Institute of Chemistry Far Eastern Branch Russian Academy of Sciences, Vladivostok, Russia) / Sergey Gnedenkov (Institute of Chemistry Far Eastern Branch Russian Academy of Sciences, Vladivostok, Russia): Corrosion mechanism of the 1579 Al alloy with welded joint protected by PEO and composite coatings: SVET and SIET studies
17:30	83501	Darya Snihirova (Helmholtz-Zentrum Geesthacht, Germany) / Eduardo Silva (Helmholtz-Zentrum Geesthacht, Germany) / Daniel Höche (Helmholtz-Zentrum Geesthacht, Germany) / Theo Hack (Airbus Group Innovations, Munich, Germany) / Mikhail Zheludkevich (Helmholtz-Zentrum Geesthacht, Germany): Consecutive modelling of galvanic corrosion for hybrid joints in aircraft supported by advanced experimental methods
19:00		Congress Dinner (Zofin Palace)

C

Thursday, 7 September 2017: Lectures

Forum Hall	Plenary session
08:45	Farewell
09:00	Plenary Lecture - John R. Scully

Thursday, 7 September 2017: Lectures

Forum Hall		Self-healing Organic Coatings
	Chair(s)	<i>I. Aoki / M. Fedel</i>
10:10	83486	<u>Idalina Vieira Aoki</u> (University of Sao Paulo, Brazil) / Fernando Cotting (University of São Paulo, Brazil): Self-healing effect provided by polymeric microcapsules containing an epoxy ester resin
10:30	94632	<u>Daniel de la Fuente</u> (CENIM/CSIC, Madrid, Spain) / <u>Jenifer Alcántara</u> (CENIM/CSIC, Madrid, Spain) / <u>Cristina Zea</u> (CENIM/CSIC, Madrid, Spain) / <u>Rubén Navas</u> (Universidad Rey Juan Carlos, Madrid, Spain) / <u>Rosa Barranco</u> (Institute of Polymer Science and Technology, Madrid, Spain) / <u>Manuel Morcillo</u> (CENIM/CSIC, Madrid, Spain): Multifunctional, smart and environmental friendly anticorrosive coatings based on nanocontainers
10:50	94047	<u>Makoto Chiba</u> (National Institute of Technology, Asahikawa College, Asahikawa-City, Hokkaido, Japan) / <u>Chinami Yamada</u> (National Institute of Technology, Asahikawa College, Asahikawa-City, Hokkaido, Japan) / <u>Kazuki Anetai</u> (National Institute of Technology, Asahikawa College, Asahikawa-City, Hokkaido, Japan) / <u>Atsushi Hyono</u> (National Institute of Technology, Asahikawa College, Asahikawa-City, Hokkaido, Japan) / <u>Sven Pletincx</u> (Vrije Universiteit Brussel, Belgium) / <u>Hilke Verbruggen</u> (Vrije Universiteit Brussel, Belgium) / <u>Iris De Graeve</u> (Vrije Universiteit Brussel, Belgium) / <u>Herman Terryn</u> (Vrije Universiteit Brussel, Belgium) / <u>Hideaki Takahashi</u> (National Institute of Technology, Asahikawa College, Asahikawa-City, Hokkaido, Japan): Development of self healing coating for corrosion protection of metal – Synthesis of micro-capsules containing a healing agent of coating
11:10	85051	<u>Mohammad Mahdavian</u> (Institute for Color Science and Technology, Tehran, Iran) / <u>Najmeh Asadi</u> (University of Tehran, Iran) / <u>Reza Naderi</u> (University of Tehran, Iran) / <u>Eiman Alibakhshi</u> (Institute for Color Science and Technology, Tehran, Iran): Improvement in corrosion resistance of mild steel by applying polymeric coating incorporating halloysite loaded with an organic inhibitor
11:30	78182	<u>Takeshi Matsuda</u> (JFE Steel Corporation, Fukuyama, Japan) / <u>Kiran Kashi</u> (North Dakota State University, Fargo, USA) / <u>Koji Fushimi</u> (Hokkaido University, Sapporo, Japan) / <u>Victoria Gelling</u> (North Dakota State University, Fargo, USA): Self-healing ability of pH sensitive microcapsules on aluminum alloy
11:50	77391	<u>Alexis Renaud</u> (UMONS, Mons, Belgium) / <u>Yoann Paint</u> (Materia Nova, Mons, Belgium) / <u>Leila Bonnaud</u> (Materia Nova, Mons, Belgium) / <u>Marc Poorteman</u> (UMONS, Mons, Belgium) / <u>Philippe Dubois</u> (UMONS, Mons, Belgium) / <u>Marie-Georges Olivier</u> (UMONS, Mons, Belgium): Corrosion performance of a benzoxazine type resin loaded with nanoparticles and applied on aluminium alloys
12:10		Lunch
Forum Hall		Self-healing Organic Coatings
	Chair(s)	<i>I. Aoki / M. Fedel</i>
13:40	99440	<u>Siva Böhm</u> (Talga, Rudolstadt, Germany): Breakthrough graphene protective coatings against corrosion
14:00	81271	<u>Mikhail Zheludkevich</u> (Helmholtz-Zentrum Geesthacht, Germany) / <u>Yan Chen</u> (Helmholtz-Zentrum Geesthacht, Germany) / <u>Sviatlana Lamaka</u> (Helmholtz-Zentrum Geesthacht, Germany) / <u>Carsten Blawert</u> (Helmholtz-Zentrum Geesthacht, Germany): Active protection of Mg alloys by composite coatings loaded with iron complexing agents as corrosion inhibitors
14:20	81601	<u>Matthias Uebel</u> (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany) / <u>Michael Rohwerder</u> (Max-Planck-Institut für Eisenforschung GmbH, Düsseldorf, Germany): Capsular networking and accelerated trigger signal spreading for an intelligent massive release of inhibitors in smart anti-corrosion coatings
14:40	89811	<u>Alexandre Bastos</u> (Universidade de Aveiro, Portugal) / <u>Pedro Moreira</u> (Universidade de Aveiro, Portugal) / <u>Diogo Lopes</u> (Universidade de Aveiro, Portugal) / <u>João Tedim</u> (Universidade de Aveiro, Portugal) / <u>Andrei Salak</u> (Universidade de Aveiro, Portugal) / <u>Mário Ferreira</u> (Universidade de Aveiro, Portugal): Corrosion protection from layered double hydroxides formed on zinc surfaces
15:00	74007	<u>Dawei Zhang</u> (University of Science and Technology Beijing, China) / <u>Hongchang Qian</u> (University of Science and Technology Beijing, China) / <u>Cuiwei Du</u> (University of Science and Technology Beijing, China) / <u>Xiaogang Li</u> (University of Science and Technology Beijing, China) / <u>J.M.C. (Arjan) Mol</u> (Delft University of Technology, Netherlands) / <u>Herman Terryn</u> (Vrije Universiteit Brussel, Belgium): Dual-action shape memory polymer coating with healable superhydrophobic surface and anti-corrosion properties
15:20	76171	<u>Akihiro Yabuki</u> (Hiroshima University, Higashi-Hiroshima, Japan) / <u>Shota Tanabe</u> (Hiroshima University, Higashi-Hiroshima, Japan) / <u>Indra Wahyudhin Fathona</u> (Telkom University, Bandung, Indonesia): Self healing polymer coatings with microfibers of superabsorbent polymers for corrosion inhibition of carbon steel
15:40		End of EUROCORR 2017 & 20th ICC

Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>V. Vivier</i>
10:10	90166	<u>Davood Nakhai</u> (The University of British Columbia, Vancouver, Canada) / <u>Edouard Asselin</u> (The University of British Columbia, Vancouver, Canada): Effect of bulk solution chloride concentration on the dissolution kinetics of pure zinc studied with the artificial pit technique
10:30	92896	<u>Rebecca Bolton</u> (Swansea University, United Kingdom) / <u>Justin Searle</u> (Swansea University, United Kingdom) / <u>Geraint Williams</u> (Swansea University, United Kingdom): A novel in-situ integration of time-lapse imaging with a scanning vibrating electrode technique (SVET-TLI) for the study of sacrificial zinc coatings in salt solution

10:50	85151	Gopal Ji (Vrije University Of Brussels, Belgium) / Lucia Fernandez Macia (Vrije Universiteit Brussels, Belgium) / Bart Alleart (NV Bekaert SA, Deerlijk, Belgium) / Herman Terryn (Vrije Universiteit Brussels, Belgium): The role of nonstationary, nonlinear and noise distortions in the reliable modelling of the corrosion of galvanized steel in 0.1 M NaCl by odd random phase electrochemical impedance spectroscopy
11:10	91406	Junsoo Han (Chimie ParisTech (ENSCP), Paris, France) / Kevin Ogle (Chimie ParisTech (ENSCP), Paris, France): Elemental dissolution and film formation of Zn-Al-Mg alloys and pure phases
11:30	82026	Hamilton Neil McMurray (Swansea University, United Kingdom) / Geraint Williams (Swansea University, United Kingdom) / James Sullivan (Swansea University, United Kingdom) / Nathan Cooze (Swansea University, United Kingdom): Atmospheric corrosion and secondary spreading of aqueous sodium chloride droplets on zinc-magnesium-aluminium metallic coatings
11:50	93747	Atsushi Nishikata (Tokyo Institute of Technology, Japan) / Chulaluk Somphotch (Tokyo Institute of Technology, Japan) / Eiji Tada (Tokyo Institute of Technology, Japan): EIS study of Zn corrosion under thin solution films
12:10		Lunch
Meeting Hall IV		Corrosion Mechanisms, Methods, Modelling and Monitoring
	Chair(s)	<i>K. Ogle</i>
13:40	79511	Mats Meeusen (Delft University of Technology, Netherlands) / Luca Zardet (University of Udine, Italy) / Francesco Andreatta (University of Udine, Italy) / Herman Terryn (Vrije Universiteit Brussel, Belgium) / Arjan Mol (Delft University of Technology, Netherlands): Studying possible synergistic effects between corrosion inhibitors for galvanized steel sheet
14:00	87241	Yanwen Liu (University of Manchester, United Kingdom) / Robert Bradley (Geotek Ltd, Daventry, United Kingdom) / Xiaorong Zhou (The University of Manchester, United Kingdom) / Stuart Lyon (The University of Manchester, United Kingdom) / Timothy Burnett (The University of Manchester, United Kingdom) / Philip Withers (The University of Manchester, United Kingdom) / Simon Gibbon (AkzoNobel, Gateshead, United Kingdom) / Derek Graham (AkzoNobel, Gateshead, United Kingdom): Understanding the transport route of leaching corrosion inhibitor pigment from primer coating with 4D X-ray imaging
14:20	95207	Markus Nadlinger (CEST Kompetenzzentrum für elektrochemische Oberflächentechnologie GmbH, Wr. Neustadt, Austria) / Martin Rosner (voestalpine Stahl GmbH, Linz, Austria) / Martin Fleischanderl (voestalpine Stahl GmbH, Linz, Austria) / Gerald Luckeneder (voestalpine Stahl GmbH, Linz, Austria) / Christian Paulik (Johannes Kepler University, Linz, Austria): Hydrothermal ageing of adhesively bonded Zn-Mg-Al hot-dip galvanized steel
14:40	79921	Michele Fedel (University of Trento, Italy) / Francesca Magri (University of Trento, Italy) / Mireille Poelman (Materia Nova, Mons, Belgium) / Marie-Georges Olivier (UMONS, Mons, Belgium) / Flavio Deflorian (University of Trento, Italy): Sebacic acid as corrosion inhibitor for HDG steel in 0.1M NaCl
15:00	86076	Dan Persson (Swerea KIMAB AB, Stockholm, Sweden) / Malin Tornberg (Swerea KIMAB AB, Stockholm, Sweden) / Dominique Thierry (Institut de la Corrosion, Brest, Sweden): FTIR chemical imaging of the initial atmospheric corrosion of ZnAlMg coated steel
15:20	75172	Yan Han Liew (NUS Graduate School, Singapore) / Yong Teck Tan (Singapore Institute of Manufacturing Technology SIMTech, Singapore) / Daniel J Blackwood (National University of Singapore) / Sudesh L Wijesinghe (Singapore Institute of Manufacturing Technology SIMTech, Singapore): Evaluation of intergranular corrosion and mechanisms of stainless steels: Debatable observations
15:40		End of EUROCORR 2017 & 20th ICC

Meeting Hall IB		Nuclear Corrosion
	Chair(s)	<i>R. Novotny / B. Zajec</i>
10:10	82756	Alexis Fallet (CEA Saclay, Gif sur Yvette, France) / Nathalie Gruet (CEA Saclay, Gif sur Yvette, France) / Sandrine Costenoble (CEA Marcoule, Bagnols-sur-Cèze, France) / Philippe Moisy (CEA Marcoule, Bagnols-sur-Cèze, France): Contribution to the knowledge of the dissolution mechanism of stainless steel in nitric acid
10:30	84701	Eriko Irisawa (Japan Atomic Energy Agency, Ibaraki, Japan) / Chiaki Kato (Japan Atomic Energy Agency, Ibaraki, Japan) / Michio Kamoshida (Japan Atomic Energy Agency, Ibaraki, Japan) / Yasuyuki Hakamatsuka (Japan Atomic Energy Agency, Ibaraki, Japan) / Fumiyoshi Ueno (Japan Atomic Energy Agency, Ibaraki, Japan) / Masahiro Yamamoto (Japan Atomic Energy Agency, Ibaraki, Japan): Effect of oxidizing metallic ions on corrosion of stainless steel during concentration process simulating high-level activity liquid waste (HALW) concentrator
10:50	76281	Wu Kai (National Taiwan Ocean University, Keelung, Taiwan) / Guo Jun Liao (National Taiwan Ocean University, Keelung, Taiwan) / Fu Pen Cheng (National Taiwan Ocean University, Keelung, 20224, Taiwan) / Ji Jung Kai (The City University of Hong Kong, Kowloon, Taiwan): Effect of water vapor on the oxidation behavior of 304L and 800H alloys in high-pure He atmospheres at 950 °C
11:10	96507	Alberto Sáez-Maderuelo (CIEMAT, Madrid, Spain) / César Maffiotte (CIEMAT, Madrid, Spain) / Dolores Gómez-Briceño (CIEMAT, Madrid, Spain) / Francisco Javier Perosanz (CIEMAT, Madrid, Spain) / Namburi Hygreeva (CVR, Rez, Czech Republic): Study of the effect of intergranular carbides in the oxidation behavior Alloy 690 in supercritical water
11:30	96362	Evangelia Charalampopoulou (SCK-CEN, Mol, Belgium) / Rémi Delville (SCK-CEN, Mol, Belgium) / Konstantina Lambrinou (SCK-CEN, Mol, Belgium) / Dominique Schryvers (Universiteit Antwerpen, Belgium): Exposing the DIN 1.4970 fuel cladding in static LBE at targeted oxygen concentrations

11:50	83671	Elena Fedorova (Siberian Federal University, Krasnoyarsk, Russia) / Laure Martinelli (DEN-SCCME, CEA, Université Paris-Saclay, Gif-sur-Yvette, France) / Clara Desgranges (Safran Tech, Magny-les-Hameaux, France) / Marie-Christine Demizieux (DEN-SCCME, CEA, Université Paris-Saclay, Gif-sur-Yvette, France) / David Fettle (Sorbonne Universités & Université de Technologie de Compiègne, France) / Jérôme Favergeone (Sorbonne Universités & Université de Technologie de Compiègne, France): Effect of creep on state of strain and stress of metal/oxide system during long-term isothermal oxidation of Fe-9Cr steel
12:10		Lunch - WP 4 Meeting
Meeting Hall IB		Nuclear Corrosion
	Chair(s)	S. Ritter / D. Féron
13:40	71801	Xinqiang Wu (Chinese Academy of Sciences, Shenyang, China): Status of PWR nuclear power plants in China and some fundamental understanding of Zn-injection water chemistry on material corrosion
14:00	85921	Berk Ozdirik (Vrije Universiteit Brussel / Ghent University, Belgium) / Kitty Baert (Vrije Universiteit Brussel, Belgium) / Tom Depover (Ghent University, Belgium) / Lorenzo Vecchi (Vrije Universiteit Brussel, Belgium) / Jean Vereecken (Vrije Universiteit Brussel, Belgium) / Herman Terryn (Vrije Universiteit Brussel, Belgium) / Kim Verbeken (Ghent University, Belgium) / Iris De Graeve (Vrije Universiteit Brussel, Belgium): Comparative evaluation of electrochemical sorption/desorption properties of hydrogen in steels with various microstructural phases
15:40		End of EUROCORR 2017 & 20th ICC

Meeting Hall IA		Environment Sensitive Fracture
	Chair(s)	C. Ornek
10:10	77311	Alex Lanzutti (University of Udine, Italy) / Francesco Andreatta (University of Udine, Italy) / Alberto Raffaelli (University of Udine, Italy) / Michele Magnan (University of Udine, Italy) / Lorenzo Fedrizzi (University of Udine, Italy): Case history of stress corrosion cracking in superduplex stainless steel valve exposed to water with high chlorides concentration
10:30	83961	Mikael Schönning (Outokumpu Stainless AB, Avesta, Sweden) / Lena Wegrelius (Outokumpu Stainless AB, Avesta, Sweden) / Elisabeth Johansson (Outokumpu Stainless AB, Avesta, Sweden) / Rachel Pettersson (Jernkontoret, Stockholm, Sweden): Stress corrosion cracking of duplex stainless steels under evaporative conditions
10:50	79406	Klaus Ohla (Haynes International AG, Zürich, Switzerland) / Helmuth Sarmiento-Klapper (Baker Hughes Inteq GmbH, Celle, Germany) / Hendrik John (Consultant, Celle, Germany): Hydrogen embrittlement resilience of high strength corrosion resistant nickel alloy HASTELLOY® C-22HS® alloy
11:10	91901	Feng Huang (Wuhan University of Science and Technology, China) / Lijun Gan (Wuhan University of Science and Technology, China): Hydrogen induced cracking susceptibility and hydrogen trapping efficiency of the welded X100 pipeline steel in H₂S environment
11:30	73516	Jinxu Li (University of Science and Technology Beijing, China) / Zixuan Yang (University of Science and Technology Beijing, China): Hydrostatic pressure effect on SCC behaviour of X70 pipeline steel in simulated deep-sea environments
11:50	94857	Fosca Di Gabriele (Centrum Vyzkum Rez, CVR, Czech Republic) / Anna Hojna (CVR, Rez, Czech Republic) / Michal Chocholousek (CVR, Rez, Czech Republic) / Zbynek Spirit (CVR, Rez, Czech Republic): Preliminary consideration of crack initiation in ferritic martensitic steel T91 and austenitic 15-15Ti in liquid PbBi
12:10		Lunch / WP 5 Meeting
Meeting Hall IA		Environment Sensitive Fracture
	Chair(s)	H. Husby
13:40	88406	Christine Blanc (CIRIMAT ENSIACET, Toulouse, France) / Loïc Oger (CIRIMAT ENSIACET, Toulouse, France) / Grégory Odemer (CIRIMAT-ENSIACET, Toulouse, France) / Manon Chloé Lafouresse (CIRIMAT ENSIACET, Toulouse, France) / Eric ANDRIEU (CIRIMAT ENSIACET, Toulouse, France) / Lionel Peguet (CIRIMAT ENSIACET, Toulouse, France): Hydrogen-microstructure interactions for a low copper 7xxx aluminium alloy during stress corrosion cracking
14:00	87736	Pierfranco Reccagni (University of Manchester, United Kingdom) / Qing Lu (TWI, Cambridge, United Kingdom) / Mike Gittos (TWI, Cambridge, United Kingdom) / Dirk Lars Engelberg (University of Manchester, United Kingdom): Towards understanding the effect of microstructure on stress corrosion cracking (SCC) and hydrogen embrittlement (HE) of a Grade 2205 duplex stainless steel tungsten inert gas (TIG) weld
14:20	95287	Lijie Qiao (University of Science and Technology Beijing, China) / Tao Guo (University of Science and Technology Beijing, China) / Meichao Lin (University of Science and Technology Beijing, China) / Liqiu Guo (University of Science and Technology Beijing, China): The stress corrosion cracking mechanism of electric-mechanical coupling film fracture
14:40	89936	Raja V. S. (Indian Institute of Technology Bombay, Mumbai, India) / Ajay Krishnan M (Indian Institute of Technology Bombay, Mumbai, India): Understanding and developing high strength aluminum alloys resistant to environmentally assisted cracking- A new approach
15:00	77536	Helmuth Sarmiento Klapper (Baker Hughes, Celle, Germany): Using the pitting susceptibility factor concept for predicting environmentally assisted cracking susceptibility of metallic materials
15:20	90771	Jibo Tan (Chinese Academy of Sciences, Shenyang, China) / Xinqiang Wu (Chinese Academy of Sciences, Shenyang, China) / En-Hou Han (Chinese Academy of Sciences, Shenyang, China): The effect of dissolved oxygen on fatigue behavior of Alloy 690 steam generator tubes in borated and lithiated high temperature water

15:40	End of EUROCORR 2017 & 20th ICC
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Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>G. Winning / P. Paterson</i>
10:10	91351	Johannes Sonke (Shell Global Solutions International, Amsterdam, Netherlands) / Yougui Zheng (Shell Global Solutions International, Houston, USA) / Wilhelmus Maria Bos (Shell Australia Pty Ltd, Perth, Australia): Prediction of H2S corrosion in upstream applications
10:30	71602	Kjell Wold (Emerson, Stavanger, Norway): A holistic perspective on corrosion/erosion monitoring and integrity management
10:50	85851	Aicha Benamar (Engie, Saint Denis, France) / Salah Ramadan (Kontroll Technik, Norroy le Veneur, France) / Xavier Campaignolle (Strorengy, Bois Colombes, France) / <u>Elisabeth Fleury</u> (Engie Lab Crigen, Saint Denis, France): Slofec method to determine internal defects in overground gas pipes coated with intumescent epoxy fire-proofing layer
11:10	86151	<u>Vittorio Colombo</u> (Cescor, Milano, Italy) / Filippo Belloni (Adriatic LNG, Milan, Italy) / Alessandro Deiana (Adriatic LNG, Milan, Italy) / Alessia Bonfanti (Cescor srl, Milan, Italy): Corrosion and cathodic protection engineering expertise applied to an offshore regasification terminal
11:30	71576	<u>Alireza Aghasadeghi</u> (Asset Reliability Consultancy Ltd, Aberdeen, United Kingdom) / Hamed Mohebbi (Asset Reliability Consultancy Ltd, Aberdeen, United Kingdom) / Mokhtar Che Ismail (Universiti Teknologi PETRONAS, Seri Iskandar, Malaysia): Pipework integrity management in upstream oil and gas facilities
11:50	97347	Mark Swift (Armacell Engineered Systems, London, United Kingdom): Spread of corrosion assessment on flexible elastomeric insulation systems in a continuous salt-water spray environment
12:10		Lunch
Club A		Corrosion in Oil & Gas Production
	Chair(s)	<i>G. Winning / M. E. Wilms</i>
13:40	78676	Thibault T. Villette (Saudi Aramco, Dhahran, Saudi Arabia) / Sankar Papavinasam (CorrMagnet Consulting Inc., Ottawa, Canada) / Abdulrahman Qahtani (Saudi Aramco, Dhahran, Saudi Arabia) / Abderrazak Traidia (Saudi Aramco, Dhahran, Saudi Arabia) / <u>Kaamil Ur Rahman Mohamed Shibly</u> (Saudi Aramco R&DC, Dhahran, Saudi Arabia): Predictive modeling of the internal localized corrosion rate in wet hydrocarbon pipelines
14:00	74737	<u>Saeid Akhondnasab</u> (National Iranian Gas Company, Tehran, Iran): Internal corrosion control & monitoring of 56" gas pipeline for transmission of sour gas; a case study
14:20	81401	<u>Joshua Owen</u> (University of Leeds, United Kingdom) / Richard Barker (University of Leeds, United Kingdom) / Anne Neville (University of Leeds, United Kingdom): Development of an elbow for erosion and erosion-corrosion analysis of X65 carbon steel
14:40	91891	<u>Michael Getmanský</u> (Ph.D, Newton, USA): Diagnostic corrosion condition of oil and gas pipelines using controlled unmanned systems: Application experience
15:00	93101	<u>Alireza Hatami Monfared</u> (National Iranian Gas Company, Tehran, Iran) / Sadegh Khodaveisi (National Iranian Gas Company, Tehran, Iran): Propose a new model for improve accuracy of stress corrosion cracking direct assessment
15:20	97402	<u>Evgeniy Mursenkov</u> (Vyksa Steel Works, Russia) / <u>Dmitriy Kudashov</u> (Vyksa Steel Works, Russia) / <u>Vyacheslav Kislica</u> (Vyksa Steel Works, Russia) / <u>Evgeniya Vorozheva</u> (Vyksa Steel Works, Russia): Features of secondary treatment and continuous casting of pipe steel grades with the requirement for resistance to hydrogen induced cracking
15:40		End of EUROCORR 2017 & 20th ICC

Club C		Joint session WP 1 & WP 14 & WP 21
	Chair(s)	<i>D. Neff / S. Grassini</i>
10:10	88641	<u>Almoatz-bellah Abdelwahab</u> (Cairo Uneversity, Egypt) / Mai Rifai (Cairo University, Giza, Egypt) / Zeinab Abdelhamid (Central Metallurgical Development Research Institute, Helwan, Egypt): Corrosion inhibition of bronze alloy by aloe vera extract in neutral media for application on bronze artifacts
10:30	74232	<u>Emilande Apchain</u> (LAPA-IRAMAT, NIMBE, CEA, CNRS, Gif-sur-Yvette, France) / <u>Delphine Neff</u> (LAPA-IRAMAT, NIMBE, CEA, CNRS, Gif-Sur-Yvette, France) / <u>Aurélia Azéma</u> (LRMH, Champs-sur-Marne, France) / <u>Annick Texier</u> (LRMH, Champs-sur-Marne, France) / <u>François Mirambet</u> (C2RMF, Paris, France) / <u>Dominique Robcis</u> (C2RMF, Paris, France) / <u>Jean-Paul Gallien</u> (LAPA-IRAMAT, NIMBE, CEA, CNRS, Gif-sur-Yvette, France) / <u>Nicolas Nuns</u> (Institut M.E. Chevreul, Lille, France) / <u>Albert Noumowé</u> (L2MGC - Université de Cergy-Pontoise, Neuville-sur-Oise, France) / <u>Philippe Dillmann</u> (LAPA-IRAMAT, NIMBE, CEA, CNRS, Gif-sur-Yvette, France): Development of ToF-SIMS analyses methodology for the study of organic protection treatments for copper alloys
10:50	96232	<u>Tadeja Kosec</u> (Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia) / <u>Erika Švara Fabjan</u> (Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia) / <u>Luka Škrlep</u> (Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia) / <u>Nina Gartner</u> (Slovenian National Building and Civil Engineering Institute, Ljubljana, Slovenia) / <u>Elena Bernardi</u> (University of Bologna, Italy) / <u>Maria Chiara Bignozzi</u> (University of Bologna, Italy) / <u>Cristina Chiavari</u> (University of Bologna, Italy) / <u>Carla Martini</u> (University of Bologna, Italy) / <u>Giulia Masi</u> (University of Bologna, Italy) / <u>Jerome Esvan</u> (Université Fédérale de Toulouse, France) / <u>Claudie Josse</u> (Centre de Microcaractérisation Raimond Castaing, Toulouse, France) / <u>Luc Robbiola</u> (Université Fédérale de Toulouse, France): Development of eco-friendly and non-hazardous outdoor bronze protective coatings

11:10	78761	Angelja K. Surca (National Institute of Chemistry, Ljubljana, Slovenia) / Lidija Slemenik Perše (National Institute of Chemistry, Ljubljana, Slovenia) / Ervin Šest (National Institute of Chemistry, Ljubljana, Slovenia) / Ivan Jerman (National Institute of Chemistry, Ljubljana, Slovenia) / Mohor Mihelčič (National Institute of Chemistry, Ljubljana, Slovenia): Protective coatings for bronze art objects
11:30	87431	Sara Goidanich (Politecnico di Milano, Italy) / Chiara Petiti (Politecnico di Milano, Italy) / Barbara Salvadori (National Research Council, Sesto Fiorentino, Italy) / Andrea Cagnini (Opificio delle Pietre Dure, Florence, Italy) / Monica Galeotti (Opificio delle Pietre Dure, Florence, Italy) / Simone Porcinai (Opificio delle Pietre Dure, Florence, Italy) / Antonello Vicenzo (Politecnico di Milano, Italy) / Edoardo Guerrini (Università degli Studi di Milano, Italy) / <u>Stefano Trasatti</u> (Università degli Studi di Milano, Italy) / Davide Gulotta (Politecnico di Milano, Italy): Natural and artificial ageing of protective coatings for outdoor bronzes protection
11:50	89221	Leonardo Iannucci (Politecnico di Torino, Italy) / Emma Angelini (Politecnico di Torino, Italy) / Sabrina Grassini (Politecnico di Torino, Italy) / Luca Lombardo (Politecnico di Torino, Italy) / Marco Parvis (Politecnico di Torino, Italy) / Marco Sangermano (Politecnico di Torino, Italy): Reversible multilayered hybrid coatings for archaeological artefacts
12:10		Lunch
Club C		Techniques and standards for SCC testing
	Chair(s)	<i>C. Blanc</i>
13:40	74972	Edoardo Proverbio (Università di Messina, Italy) / Luigi Calabrese (University of Messina, Italy) / Massimiliano Galeano (University of Messina, Italy) / Domenico Di Pietro (GE Oil & Gas, Firenze, Italy) / Angelo Donato (GE Oil & Gas, Firenze, Italy): Assessment of SCC damage by topological neural network of combined AE and EN signals
14:00	81901	Benjamin Krawczyk (The University of Manchester, United Kingdom) / Dirk Engelberg (The University of Manchester, United Kingdom): Towards understanding the stress corrosion cracking behaviour of Type 316L stainless steel in HCl containing atmospheric environments

Club C		Corrosion Education
	Chair(s)	<i>D. Zander / C. Leygraf</i>
14:20	93602	Daisuke Ito (Yokohama National University, Japan): Study of micro-scale experimental teaching materials of corrosion and corrosion protection for maintenance engineers
14:40	73482	Alec Groysman (Israeli Society of Chemical Engineers and Chemists c/o AEAI, Tel Aviv, Israel): Corrosion: Pros and cons
15:00		End of EUROCORR 2017 & 20th ICC

Club B		Corrosion of Polymers and Advanced Materials
	Chair(s)	<i>J. Heinemann</i>
10:10	92581	Evangelia Karaxi (National Technical University of Athens, Zografos, Greece) / Ioannis Kartsonakis (National Technical University of Athens, Zografos, Greece) / Irene Kanellopoulou (National Technical University of Athens, Zografos, Greece) / Costas Charitidis (National Technical University of Athens, Zografos, Greece): Corrosion behaviour, mechanical integrity and self-sensing properties of bulk reinforced concrete
10:30	91936	Ramesh Chinnakurli Suryanarayana (Alliance University, Bangalore, India) / Saleem Khan (Don Bosco College of Engineering, Bangalore, India) / Vishnu Kuncham (Alliance College of Engineering and Design, Bangalore, India) / Chethan H C (Alliance College of Engineering and Design, Bangalore, India) / Dattatri S (Alliance College of Engineering and Design, Bangalore, India): Corrosion behavior of aluminium 6061-silicon nitride-carbon fiber hybrid composite
10:50	93357	Ondrej Chocholatý (University of West Bohemia, Plzen, Czech Republic) / Jiri Hajek (University of West Bohemia, Plzen, Czech Republic) / Antonin Kriz (University of West Bohemia, Plzen, Czech Republic) / Michaela Novakova (University of West Bohemia, Plzen, Czech Republic): Effect of heat treatment of aluminium bronzes on corrosion resistance
11:10	78446	Igor Chaves (The University of Newcastle, Australia) / Thomas Fiedler (The University of Newcastle, Australia) / Robert Melchers (The University of Newcastle, Australia) / Mehdi Taherishargh (The University of Newcastle, Australia): Corrosion trials of composite perlite aluminium foam
11:30	96687	Alicja Stankiewicz (Edinburgh Napier University, United Kingdom) / Juliusz Winiarski (Wroclaw University of Science and Technology, Poland) / Michael Barker (Edinburgh Napier University, United Kingdom) / Katarzyna Zielinska (Queen Mary University, London, United Kingdom): Electroless Ni-P/alginate microgels coatings with self-healing properties
12:10		Lunch

Terrace 2		Automotive Corrosion
	Chair(s)	<i>E. Szala / M. Bohm</i>
10:10	94027	Giorgio Zaffaroni (Technical University of Denmark, Kongens Lyngby, Denmark) / Visweswara Gudla (Technical University of Denmark, Kongens Lyngby, Denmark) / Rajan Ambat (Technical University of Denmark, Kongens Lyngby, Denmark): Microstructural and corrosion issues of embossed and welded aluminium heat exchanger tubes
10:30	85271	Lionel Peguet (Constellium, Voreppe, France) / Hanane Noui (Constellium Technology Center, Voreppe, France) / Florian Monnier (Constellium Technology Center, Voreppe, France): Cyclic corrosion testing and electrochemical depth profiling for characterization of multi-clad aluminium brazing sheets used in automotive charge air cooler

10:50	80156	Daniel Knoll (Faurecia Emissions Control Technologies, Augsburg, Germany) / Muhammad Yasir (Faurecia Emissions Control Technologies, Augsburg, Germany) / Helmut Wieser (Faurecia Emissions Control Technologies, Augsburg, Germany) / Simon Burger (Faurecia Emissions Control Technologies, Augsburg, Germany): Importance of material selection to avoid galvanic corrosion in exhaust systems
11:10	74522	Clément Boissy (Aperam Research, Isbergues, France) / Fiona Ruel (Aperam Research, Isbergues, France) / Bertrand Petit (Aperam Research, Isbergues, France) / Cloé Prudhomme (Aperam Research, Isbergues, France) / Pierre-Olivier Santacreu (Aperam Research, Isbergues, France) / <u>Saghi Saedlou</u> (Aperam Research, Isbergues, France): Material selection for fin-plate exhaust gas recirculation: Corrosion and high temperature resistance
11:30	74087	Masatoshi Abe (Nippon Steel & Sumikin Stainless Steel Corporation, Hikari, Japan) / Nobuhiko Hiraide (Nippon Steel & Sumikin Stainless Steel Corporation, Hikari, Japan): Effect of sulfite ions in the corrosion of stainless steels by condensates
11:50	85201	Young Jin Kwak (POSCO, Gwangyang-si, Korea, South): Zn-Mg coated steel for automotive
12:10		Lunch
Terrace 2		Automotive Corrosion
	Chair(s)	<i>E. Szala / M. Bohm</i>
13:40	99710	Karl Jojo Vidic (Montanuniversität Leoben, Austria) / Gregor Mori (Montanuniversität Leoben, Austria) / Helmut Wieser (Faurecia Emissions Control Technologies, Augsburg, Germany) / Muhammad Yasir (Faurecia Emissions Control Technologies, Augsburg, Germany) / Daniel Knoll (Faurecia Emissions Control Technologies, Augsburg, Germany) / Maria Saur (Faurecia Emissions Control Technologies, Augsburg, Germany) / David Saurat (Faurecia Emissions Control Technologies, Augsburg, Germany): Study of high temperature corrosion under hot salts exposure
14:00	83326	Rolandas Verbickas (Daido Metal Co., Ltd, Ilminster, United Kingdom) / Ignacio Tudela-Montes (Daido Metal Co., Ltd, Ilminster, United Kingdom) / Grazina Burmistroviene (Daido Metal Co., Ltd, Ilminster, United Kingdom) / Mayank Anand (Daido Metal Co., Ltd, Ilminster, United Kingdom) / Yi Zhang (Daido Metal Co., Ltd, Ilminster, United Kingdom): Electrochemical corrosion study of lead-based and lead-free materials in lubricant oil
14:20	81696	Francesco Andreatta (University of Udine, Italy) / Agusti Sin (ITT Motion Technologies, Cuneo, Italy) / Federico Lupone (ITT Motion Technologies, Cuneo, Italy) / Alessandro Angeleri (ITT Motion Technologies, Cuneo, Italy) / Valentina Galardo (ITT Motion Technologies, Cuneo, Italy) / Pietro Buonfico (ITT Motion Technologies, Cuneo, Italy) / Luca Martinotto (ITT Motion Technologies, Cuneo, Italy) / Lorenzo Fedrizzi (University of Udine, Italy): Investigation of stiction phenomena in brake systems by electrochemical methods
14:40	85806	Yun Ha Yoo (POSCO Global R&D Center, Incheon, South Korea) / Bong Hoon Chung (POSCO Global R&D Center, Incheon, South Korea) / Ara Cho (POSCO Global R&D Center, Incheon, South Korea) / Suk Jong Yoo (SSangYong Motor Company, Pyeongtaek, South Korea): Corrosion characteristics of automotive steels under various accelerated corrosion tests
15:00	90941	Tunç Tuken (Çukurova University, Adana, Turkey) / Gökmen Sigircik (Çukurova University, Adana, Turkey) / Ramazan Esen (Çukurova University, Adana, Turkey): Zinc intercalated DLC (diamond like carbon) coatings by ECR (electro cyclotron resonance) technique for steel protection
15:20	96082	Eda Ergün Songül (Istanbul University, Turkey) / Derya Dışpınar (Istanbul University, Turkey) / Gökhan Orhan (Istanbul University, Turkey): Corrosion characteristics of B grain refined Al-10Si
15:40		End of EUROCORR 2017 & 20th ICC

North Hall		Cathodic protection in marine environment Joint session WP 9 & WP 16
	Chair(s)	<i>J. Crouzillac / P. Refait</i>
10:10	97955	Stéphane Trevin (EDF DTG, Grenoble, France): Electricité de France feedback experience with cathodic protection on nuclear power plants cooling systems
10:30	95062	Eric Agel (TOTAL Gabon, Port-Gentil, Gabon) / Yves Bourdin (TOTAL Gabon, Port-Gentil, Gabon) / Christian Yogoulou-Joly (TOTAL Gabon, Port-Gentil, Gabon) / Frédéric Fournie (TOTAL Gabon, Port-Gentil, Gabon): Feedback from revamping of cathodic protection for offshore jackets
10:50	94137	Harald Osvoll (FORCE Technology Norway, Trondheim, Norway) / <u>Gro Østensen Lauvstad</u> (FORCE Technology Norway, Trondheim, Norway) / Terje Joar Blakset (FORCE Technology Norway, Trondheim, Norway) / Jens Christofer Werenskiold (FORCE Technology Norway, Trondheim, Norway): CP inspection methods for marine applications – where do we go?
11:10	77627	Hiroto Tado (National Institute of Maritime, Port and Aviation Technology, Yokosuka, Japan) / Toru Yamaji (National Institute of Maritime, Port and Aviation Technology, Yokosuka, Japan) / Hiroyuki Kobayashi (NAKABOHEC CORROSION PROTECTING CO., LTD., Tokyo, Japan) / Yuta Machida (Japan Association of Cathodic Protection, Tokyo, Japan) / Yuichi Maezono (Japan Association of Cathodic Protection, Tokyo, Japan) / Yoshiyuki Kawase (Japan Association of Cathodic Protection, Tokyo, Japan): The estimation of the cathodic protection effect in Japanese port steel structures

North Hall		Cathodic protection of steel in concrete Joint session WP 11 & WP 16
	Chair(s)	<i>J. Crouzillac / M. Raupach</i>
11:30	71911	Hayder Oleiwi (University of Salford, Greater Manchester, United Kingdom) / Yu Wang (University of Salford, Greater Manchester, United Kingdom) / Michele Curioni (University of Manchester, Greater Manchester, United Kingdom) / Levingshan Augustus-Nelson (University of Salford, Greater Manchester, United Kingdom) / Xianyi Chen (Charter Coating Service (2000) Ltd, Calgary, Canada) / Igor Shabalin (University of Salford, Greater Manchester, United Kingdom): An experimental study of the cathodic polarization of the reinforcement in chloride contaminated concrete

11:50	79071	Xavier Hallopeau (Freysinet France, Rueil Malmaison, France) / Olivier Lesieutre (Freysinet France, Rueil Malmaison, France) / Arnaud Meillier (Freysinet France, Rueil Malmaison, France): Analysis of discrete anode current distribution for reinforced concrete structure under impressed current cathodic protection
12:10		Lunch
North Hall		Cahodic protection of steel in concrete Joint session WP 11 & WP 16
	Chair(s)	<i>J. Crouzillac / M. Raupach</i>
13:40	80546	Hayder Oleiwi (University of Salford, Greater Manchester, United Kingdom) / Yu Wang (University of Salford, Greater Manchester, United Kingdom) / Michele Curioni (University of Manchester, Greater Manchester, United Kingdom) / Levingshan Augustus-Nelson (University of Salford, Greater Manchester, United Kingdom) / Xianyi Chen (Charter Coating Service (2000) Ltd, Calgary, Canada) / Igor Shabalin (University of Salford, Greater Manchester, United Kingdom): Experimental study of cathodic protection for reinforced concrete submerged in saline water
14:00	95562	John Baynham (CM BEASY Ltd, Southampton, United Kingdom) / Brian Wyatt (Corrosion Control, Acton Trussell, United Kingdom) / Robin Jacob (The Corrosion Consultancy Ltd, Little Wenlock, United Kingdom) / Timothy Froome (CM BEASY Ltd, Southampton, United Kingdom): Investigations into effects influencing up-throw of current from immersed anodes to reinforcing bars above the sea-water level in marine concrete structures
14:20	77577	Xiutong Wang (Chinese Academy of Sciences, Qingdao, China) / Xueqing Liu (Qingdao National Oceanographic Center, Qingdao, China) / Qinyi Wei (Chinese Academy of Sciences, Qingdao, China) / Hong Li (Chinese Academy of Sciences, Qingdao, China) / Xinran Li (Chinese Academy of Sciences, Qingdao, China) / Yanliang Huang (Chinese Academy of Sciences, Qingdao, China) / Baorong Hou (Chinese Academy of Sciences, Qingdao, China): Photogenerated cathodic protection of CdTe/TiO₂ on stainless steel
15:40		End of EUROCORR 2017 & 20th ICC

Terrace 1		Corrosion reliability of Electronic Materials and Devices
	Chair(s)	<i>R. Ambat / H. Schweigart</i>
10:10	95962	Morten Stendahl Jellesen (Technical University of Denmark, Kongens Lyngby, Denmark) / Vadimas Verdingovas (DTU, Lyngby, Denmark) / Rajan Ambat (DTU, Lyngby, Denmark): Corrosion investigations of a voltage biased printed circuit board assembly under high humidity conditions
10:30	97435	Célia Aparecida Lino dos Santos (Laboratory for Corrosion and Protection, São Paulo, Brazil) / Zehbour Panossian (Laboratory for Corrosion and Protection, São Paulo, Brazil): The current stage of TR-Fe-B permanent magnet protection against corrosion
10:50	87396	Kim Albert Schmidt (FORCE Technology, Horsholm, Denmark) / Anders Bonde Kentved (FORCE TEchnology, Hoersholm, Denmark): Method for practical characterization of humidity ingress in electronic enclosures
11:10	81106	Xiankang Zhong (Southwest Petroleum University, Chengdu, China): The role of precipitates in the electrochemical migration of Sn and Cu

Terrace 1		Non-destructive testing and corrosion monitoring for industrial applications
	Chair(s)	<i>M. Kouril</i>
11:30	98235	Keynote lecture. Miloslav Procházka (TEDIKO, Ltd., Chomutov, Czech Republic): NDT approach to corrosion diagnostics
12:10		Lunch
Terrace 1		Non-destructive testing and corrosion monitoring for industrial applications
	Chair(s)	<i>M. Kouril</i>
13:40	79426	Florin Turcu (Olympus Europa, Rungis, France) / Thierry Couturier (Olympus Europa, Rungis, France) / Dirk Treppmann (Evonik Technology and Infrastructure GmbH, Marl, Germany) / Timon Jedamski (Evonik Technology and Infrastructure GmbH, Marl, Germany): Advanced ultrasonics for corrosion detection and mapping
14:00	79441	Florin Turcu (Olympus Europa, Rungis, France) / Thierry Couturier (Olympus Europa, Rungis, France): Corrosion resistant alloys – challenges and solutions for ultrasonic testing
14:20	94552	Jan Jakubek (ADVACAM s.r.o., Prague, Czech Republic): 3D visualization of corrosion under insulation
14:40	86606	Carolina Gomez Cardenas (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Thomas De Larrard (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Frédéric Duprat (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Sandrine Geoffroy (LMDC, INSAT/UPS Génie Civil, Toulouse, France) / Jean Luc Garciaz (LERM SETEC, Arles, France) / Olivier Anterrieu (LERM SETEC, Arles, France) / Christophe Carde (LERM SETEC, Arles, France): NDT multi-criteria inspection methodology to estimate the corrosion level for on-site concrete evaluation
15:00	78721	Melanie Montgomery (Technical University of Denmark, Kongens Lyngby, Denmark) / Peter Gensmann (HOFOR, København, Denmark): On-line corrosion measurement undertaken in the flue gas cleaning unit of a biomass fired power plant
15:20	92101	Kaamil Ur Rahman Mohamed Shibly (Saudi Aramco R&DC, Dhahran, Saudi Arabia) / Abderrazak Traidia (Saudi Aramco R&DC, Dhahran, Saudi Arabia) / Abdullah Enezi (Saudi Aramco R&DC, Dhahran, Saudi Arabia) / Shaker Janabi (Saudi Aramco R&DC, Dhahran, Saudi Arabia): An apparatus and methodology for the non-destructive measurement of the hydrogen diffusion coefficient of metal structures in situ during operation
15:40		End of EUROCORR 2017 & 20th ICC

Club E		Microbial Corrosion
	Chair(s)	<i>P. Cristiani</i>
10:10	80041	Keynote lecture. <u>Dake Xu</u> (Chinese Academy of Sciences, Shenyang, China): Antibacterial and microbiologically influenced corrosion mitigation behavior of a novel Cu-bearing 2205 duplex stainless steel
10:50	78207	<u>Tingyue Gu</u> (Ohio University, Athens, USA) / <u>Ru Jia</u> (Ohio University, Athens, USA) / <u>Dongqing Yang</u> (Ohio University, Athens, USA) / <u>Amir Zlotkin</u> (Hutchison Water Israel Limited, Herzelia, Israel): Novel approaches for enhanced antimicrobial treatment of problematic industrial biofilms
11:10	86266	<u>Luis Caro-Lara</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Ignacio Vargas</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Esteban Ramos-Moore</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Magdalena Walczak</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Nelson Barrera</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Camila Cardenas</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Andrea Gomez</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Gonzalo Pizarro</u> (Pontificia Universidad Católica de Chile, Santiago, Chile): Study of linear micropatterning of copper surface by laser to diminish attachment of corrosive bacteria
11:30		WP 10 Meeting
12:10		Lunch
Club E		Microbial Corrosion
	Chair(s)	<i>R. Basseguy</i>
13:40	93187	<u>Amer Jaragh</u> (Kuwait Oil Company, Ahmadi, Kuwait) / <u>Abdul Razzaq Al-Shamari</u> (Kuwait Oil Company, Ahmadi, Kuwait) / <u>Suryaprakash Samudraga</u> (Kuwait Oil Company, Ahmadi, Kuwait) / <u>Ashok Thomas Mathew</u> (Kuwait Oil Company, Ahmadi, Kuwait): Significance of controlling sessile bacteria for mitigating corrosion in oil field facilities
14:00	76066	<u>Kamarisima</u> (Tokyo Institute of Technology, Japan) / <u>Yasunori Tanji</u> (Tokyo Institute of Technology, Japan) / <u>Kazuhiko Miyanaga</u> (Tokyo Institute of Technology, Japan): Comparison of single and multiple times nitrate addition as microbial souring inhibitor to microbial comm
14:20	77562	<u>Hongfang Liu</u> (Huazhong University of Science and Technology, Wuhan, China) / <u>Junlei Wang</u> (Huazhong University of Science and Technology, Wuhan, China): Study of the anti-bacterial and anti-corrosion of zinc pyrithione-based composite coating
14:40	75197	<u>Cunguo Lin</u> (Luoyang Ship Material Research Institute, Qingdao, Shandong, China): Study on the application of antifouling microorganisms and its performance evaluation
15:00	84451	<u>Diego Fischer</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Carlos Galarce</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Luis Caro</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Magdalena Walczak</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Ignacio Vargas</u> (Pontificia Universidad Católica de Chile, Santiago, Chile) / <u>Gonzalo Pizarro</u> (Pontificia Universidad Católica de Chile, Santiago, Chile): Modelling microenvironments generated by biofilms in copper drinking water pipes
15:40		End of EUROCORR 2017 & 20th ICC

Club D		Microscopy for understanding and preventing corrosion
	Chair(s)	<i>J. Stoullil</i>
10:10	98220	Keynote lecture. <u>Jaromír Wasserbauer</u> (Brno University of Technology, Czech Republic) / <u>Jakub Tkacz</u> (Brno University of Technology, Czech Republic): Microscopy and its irreplaceable assistance in corrosion science
10:30	97427	<u>Karel Dám</u> (Olympus, Prague, Czech Republic): 3D microscopy to monitor the surface changes
10:50	84581	<u>Stacy Moore</u> (University of Bristol, United Kingdom) / <u>Robert Burrows</u> (UK National Nuclear Lab, Bristol, United Kingdom) / <u>Loren Picco</u> (University of Bristol, United Kingdom) / <u>Tom Scott</u> (University of Bristol, United Kingdom) / <u>Alice Laferrere</u> (University of Bristol, United Kingdom) / <u>Oliver Payton</u> (University of Bristol, United Kingdom) / <u>Peter Martin</u> (University of Bristol, United Kingdom): Investigating corrosion using high-speed AFM
11:10	91966	<u>Zohreh Esfahani</u> (Hakim Sabzevari University, Sabzevar, Iran) / <u>Madjid Sarvghad</u> (Queensland University of Technology, Brisbane, Australia) / <u>Ali Davoodi</u> (Ferdowsi University of Mashhad, Iran) / <u>Ehsan Rahimi</u> (Ferdowsi University of Mashhad, Iran): Prediction of corrosion initiation sites in dissimilar FSW AA5083/AA70232 aluminum alloys joint by quantitative multimodal-Gaussian histogram analysis of AFM-SKPFM microscopy images
11:30	95342	<u>Polina Volovitch</u> (Chimie ParisTech, France) / <u>Viacheslav Shkirskiy</u> (Chimie ParisTech, France) / <u>Alina Maltseva</u> (Chimie ParisTech, France) / <u>Vincent Vivier</u> (Université Pierre et Marie Curie, Paris, France): Environmental effects on metal/polymer system degradation by combining μRaman microscopy, local electrochemical impedance mapping and time lapse microscopy
11:50	90351	<u>Nataliy Gladkikh</u> (Frumkin Institute of Physical Chemistry and Electrochemistry, Moscow, Russia): Methods of quantitative image processing corrosion
12:10		Lunch
Club D		Microscopy for understanding and preventing corrosion
	Chair(s)	<i>J. Wasserbauer</i>
13:40	96332	<u>Dirk Engelberg</u> (The University of Manchester, United Kingdom): Tools, techniques, and ideas to advance our understanding of localised corrosion and environment assisted cracking
14:00	77201	<u>Fabio Cova Caiazzo</u> (École Polytechnique Fédérale de Lausanne, Switzerland) / <u>Laura Brambilla</u> (Haute Ecole Arc Conservation-restoration, Neuchâtel, Switzerland) / <u>Stefano Mischler</u> (École Polytechnique Fédérale de Lausanne, Switzerland): Tinplate corrosion prediction, the importance of the materials and structure characterization

14:20	77446	Xinxin Zhang (The University of Manchester, United Kingdom) / Xiaorong Zhou (The University of Manchester, United Kingdom) / Jan-Olov Nilsson (Sapa Technology, Finspang, Sweden): Localized corrosion development in extruded 6082 Al-Mg-Si alloy
14:40	72571	Bowei Zhang (Nanyang Technological University, Singapore) / Junsheng Wu (University of Science & Technology Beijing, China): The electrochemical response of single crystalline copper nanowires to atmospheric air and aqueous
15:00	97450	Mohammad Irshad Khan (Indian Institute of technology Bombay, Mumbai, India) / H.K. Mehtani (Indian Institute of technology Bombay, Mumbai, India) / A. Durgaprasad (Indian Institute of technology Bombay, Mumbai, India) / S. Parida (Indian Institute of technology Bombay, Mumbai, India) / M.J.N.V. Prasad (Indian Institute of technology Bombay, Mumbai, India) / I. Samajdar (Indian Institute of technology Bombay, Mumbai, India): Morphologically aligned pearlite steel aqueous corrosion behaviour
15:40		End of EUROCORR 2017 & 20th ICC

Meeting Hall V		Biobased and Bioapplied Coatings
	Chair(s)	S. Garcia / I. de Graeve
10:10	92246	Santiago J. Garcia (Delft University of Technology, Netherlands) / Christian Dieleman (Delft University of Technology, Netherlands): Active corrosion protection of coated AA2024-T3 by inhibitor-loaded electrospun inhibiting networks
10:30	91081	Ivana Radic Borsic (Cortec Corporation, St.Paul, MN, USA) / Ivan Stojanovic (Faculty of Mechanical Engineering and Naval Architecture University of Zagreb, Croatia) / Boris Miksic (Cortec Corporation, St.Paul, MN, USA) / Ana Juraga Oluic (Cortec Corporation, St.Paul, MN, USA): Economic and environmental impact of traditional rust preventatives as compared to novel biobased temporary coatings
10:50	92291	Paul Denissen (Delft University of Technology, Netherlands) / Santiago Garcia (Delft University of Technology, Netherlands): Cerium loaded algae exoskeletons for active corrosion protection of coated AA2024-T3
11:10	86586	Seyyed Arash Haddadi (Sharif University of Technology, Tehran, Iran) / Ahmad Ramazani S.A. (Sharif University of Technology, Tehran, Iran) / Mohammad Mahdavian (Institute for Color Science and Technology, Tehran, Iran): Walnut shell extract as green corrosion inhibitor for fabrication of on-demand release nanocontainer based on carbon hollow nanospheres
11:30	84276	Seisho Take (National Institute of Technology, Oyama College, Oyama Tochigi, Japan) / Fadli Hidayatullah (National Institute of Technology, Oyama College, Oyama, Tochigi, Japan) / Yusuke Koike (National Institute of Technology, Oyama College, Oyama, Tochigi, Japan) / Satoru Izawa (National Institute of Technology, Oyama College, Oyama, Tochigi, Japan) / Taro Atsumi (National Institute of Technology, Oyama College, Oyama, Tochigi, Japan): Effect of heat treatments on the properties of Zn doped hydroxyapatite plasma spray biocompatible coatings
11:50	96937	Mohsen Saremi (School of Metallurgy & Materials Engineering, Tehran, Iran) / Samaneh Nikoosfat (School of Metallurgy & Materials Engineering, Tehran, Iran): Corrosion and mechanical behavior of HA-CNT and HA-chitosan composite coatings on AZ-31 magnesium alloy in simulated body fluid
12:10		Lunch
Meeting Hall V		Biobased and Bioapplied Coatings
	Chair(s)	S. Garcia / I. de Graeve
13:40	93212	Mehmet Topuz (Yuzuncu Yil University, Van, Turkey) / Burak DİKİCİ (Atatürk University, Erzurum, Turkey) / Serap Güngör Koc (Yuzuncu Yil University, Van, Turkey) / Mitsuo Niinomi (Tohoku University, Sendai, Japan) / Maasaki Nakai (Kindai University, Osaka, Japan): Structural characterization and in-vitro corrosion response of HA/TiO₂ composite coatings on Ti-6Al-4V

Meeting Hall V		Metallic Coatings
	Chair(s)	S. Garcia / I. de Graeve
14:00	89481	Günter Schmitt (IFINKOR Institut für Instandhaltung und Korrosionsschutztechnik GmbH, Iserlohn, Germany) / Tim Gommlich (IFINKOR-Institut für Instandhaltung und Korrosionsschutztechnik gGmbH, Iserlohn, Germany) / Klaus Schoettler (Liebherr-Aerospace Lindenberg GmbH, Lindenberg/Allgäu, Germany): Electroplating of high strength steels – hydrogen trapped in the coating endangers the base material
14:20	85021	Yingying Wang (Southwest Petroleum University, Chengdu, China) / Bernard Normand (Université de Lyon, INSA-Lyon, Villeurbanne, France) / XinKun Suo (Chinese Academy of Sciences, Ningbo, China) / Marie-Pierre Planche (Université de Technologie de Belfort-Montbéliard, Sévenans, France) / Hanlin Liao (Université de Technologie de Belfort-Montbéliard, Sévenans, France): Microstructure, wear and corrosion behavior of cold-sprayed magnesium alloy coatings
14:40	94777	Sven Schmigalla (Institut für Korrosions- und Schadensanalyse Dr.-Ing. Sabine Schultze, Magdeburg, Germany) / Sabine Schultze (Institut für Korrosions- und Schadensanalyse Dr.-Ing. Sabine Schultze, Magdeburg, Germany) / Uwe Czerney (MTU Reman Technologies GmbH, Magdeburg, Germany): Interactions in the corrosion behavior between cold sprayed layers for spot repair and substrate – effect of powder composition
15:00	77491	Matthieu Dhondt (ENSTA Bretagne, Brest, France) / Varvara Shubina (ENI Brest, Brest, France) / Remi Homette (ENSTA Bretagne, Brest, France) / Sylvain Calloch (ENSTA Bretagne, Brest, France) / Shabnam Arbab Shirani (ENI Brest, Brest, France): Effect of mechanical stress on the corrosion resistance of chromium-plated steel piston rods
15:20	79766	Gregory Guilbert (Materianaova, Mons, Belgium) / Mireille Poelman (Materianaova, Mons, Belgium) / Sylvain Desprez (Materianaova, Mons, Belgium) / Marjorie Olivier (University of Mons, Belgium): Electroplating of Fe-W and Zn-Fe-W amorphous alloys for corrosion protection
15:40		End of EUROCORR 2017 & 20th ICC