

Corrosion and Scale Inhibition (WP1)

Panel No.	On display	Title
		The impact of chain length and terminal functional group on properties of self-assembled monolayers of phosphonic acids on bronze Dajana MIKIĆ ¹ Helena OTMAČIĆ ĆURKOVIĆ ¹ ¹ Faculty of Chemical Engineering and Technology, Croatia

Corrosion by Hot Gases and Combustion Products (WP3)

Nuclear Corrosion (WP4)

Panel No.	On display	Title
		Corrosion Studies on Zinc in PWR Coolants Ulrich HARM ¹ Holger KRYK ² Uwe HAMPEL ¹ ¹ TU Dresden, Germany ² Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Germany
		Exploring the Effect of Surface Machining Treatments on Microstructure of Cold-Rolled Type 316L Austenitic Stainless Steel and Alloy 182 M Grace BURKE ¹ Liberato VOLPE ¹ Ziaqing QUE ² Ulla EHRNSTÉN ³ Aleksandra TREICHEL ⁴ Stefan RITTER ⁴ Anna HOJNA ⁵ Matthias HERBST ⁶ Renate KILIAN ⁶ Agostino MAUROTTO ⁷ Marc VANKEERBERGHEN ⁸ Alice DINU ⁹ Claire RAINASSE ¹⁰ Radek NOVOTNÝ ¹¹ Bojan ZAJEC ¹² Mark CHATTERTON ¹³ Vladimír SLUGEN ¹⁴ Ivan KURT ¹⁵ Francisco PEROSANZ ¹⁶ ¹ University of Manchester, United Kingdom ² VTT Technical Research Centre of Finland, Ltd., Finland ³ VTT Technical Research Centre of Finland, Ltd., Finland ⁴ Paul Scherrer Institute, Switzerland ⁵ CVR, UJV Group, Czech Republic ⁶ Framatome GmbH, Germany ⁷ NAMRC University of Sheffield, United Kingdom ⁸ SCK•CEN, Belgium ⁹ RATEN ICN, Romania ¹⁰ EdF, France ¹¹ EC JRC, Netherlands ¹² ZAG, Slovenia ¹³ Jacobs, United Kingdom ¹⁴ STUBA, Slovakia ¹⁵ ENSA, Spain ¹⁶ CIEMAT, Spain

Panel No. On display Title

Mitigating Environmentally-Assisted Cracking through Optimisation of Surface Condition – the MEACTOS Collaborative Project

Alberto SÁEZ-MADERUELO¹ Francisco PEROSANZ¹ Laura MOLINERO-MERINO¹ Stefan RITTER² Ulla EHRNSTEN³ M. Grace BURKE⁴ Marc VANKEERBERGHEN⁵ Anna HOJNÁ⁶ Renate KILIAN⁷ Matthias HERBST⁷ Agostino MAUROTTO⁸ Alice DINU⁹ Claire RAINASSE¹⁰ Radek NOVOTNY¹¹ Bojan ZAJEC¹² Mark CHATTERTON¹³ Vladimír SLUGEN¹⁴ Ivan KURT¹⁵

¹ CIEMAT, Spain

² Paul Scherrer Institute (PSI), Switzerland

³ VTT, Finland

⁴ University of Manchester, United Kingdom

⁵ SCK CEN, Belgium

⁶ CVR Rez, Czech Republic

⁷ Framatome, Germany

⁸ NARMC University of Sheffield, United Kingdom

⁹ Raten, Romania

¹⁰ EDF, France

¹¹ JRC, Netherlands

¹² ZAG, Slovenia

¹³ Jacobs, United Kingdom

¹⁴ STUBA, Slovakia

¹⁵ ENSA, Spain

Relationship between Grain Boundary Plane Orientation and Chromium Depletion in Thermally Sensitised 304 Stainless Steel

Kuo YUAN¹ Tomas MARTIN² Ronald CLARK³ Mahmoud MOSTAFAVI¹

¹ University of Bristol, United Kingdom

² Univeristy of Bristol, United Kingdom

³ National Nuclear Laboratory Limited, United Kingdom

Sie hat die Haare schön

Andrea KÖHL¹ Christiane HIRSCH¹

¹ DECHEMA e.V., Germany

STUDY OF THE INFLUENCE OF ADVANCED MACHINING TECHNIQUES IN THE CORROSION BEHAVIOR OF AN AUSTENITIC STAINLESS STEEL TYPE 316L

Alberto SÁEZ-MADERUELO¹ Francisco Javier PEROSANZ¹ María Luisa RUIZ LORENZO¹

María Asunción BAUTISTA ARIJA² Gleidys MONRRABAL-MARQUEZ² Francisco Javier VELASCO-LÓPEZ²

¹ CIEMAT, Spain

² Universidad Carlos III de Madrid, Spain

Environment Sensitive Fracture (WP5)

Panel No. On display Title

Assessment of hydrogen-induced cracking (HIC) susceptibility of V micro-alloyed wire rod steel with different heat treatments.

Hamdi ELSAYED¹

¹ Graz University of Technology (TU GRAZ), Austria

Corrosion Mechanisms, Methods and Modelling (3M, WP6 + 8))

Biocompatibility of High Entropy Alloys: Science and Design

Julia MIRZA ROSCA¹ Nestor R. FLORIDO SUAREZ¹ Viviana E. LUCERO BALDEVENITES¹

Pedro P. SOCORRO PERDOMO¹ Ionelia VOICULESCU² Victor GEANTA²

¹ University of Las Palmas de Gran Canaria, Spain

² Politehnica University of Bucharest, Romania

Corrosion properties of austenitic and duplex stainless steel's dissimilar joint

Dorina KOVÁCS¹ Attila SZLANCSIK¹ Éva FAZAKAS² Balázs VARBAI¹

¹ Budapest University of Technology and Economics, Faculty of Mechanical Engineering, Department of Materials Science and Engineering, Hungary

² Semilab Semiconductor Physics Laboratory Co. Ltd., Hungary

Electrochemical testing and analytical techniques applied together to the study of corrosion performance of wrought and hiped superduplex steel

Teresa GURAYA¹ Nerea ORDÁS² Iker DE LA PINTA³

¹ University of the Basque Country, Spain

² Ceit and Universidad de Navarra, Spain

³ University of the Basque Country, Spain

Evaluation of the electrochemical corrosion behavior of the dental CAD-CAM alloy

“Ceramill Ti alloy” in six electrolytes with different pH-values and fluoride addition

Christine SCHILLE¹ Ernst SCHWEIZER¹ Rita LAUMANN² Falko NOACK² Juergen GEISGERSTORFER¹

¹ University Hospital Tuebingen / Section Medical Material Science & Technology, Germany

² Amann Girrbach, Austria

Influence of different thermomechanical and surface treatments on the corrosion of martensitic stainless steels

Carlos BERLANGA LABARI¹ Adrian CLAVER² Garcia JOSE ANTONIO¹ Pedro RIVERO² Alberto DE CARLOS³

¹ Universidad Publica de Navarra, Spain

² Universidad Pública de Navarra, Spain

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Monitoring Industrial Scale Aluminium Anodization Process Steps Using Electrochemical Impedance Spectroscopy

Stanley OFOEGBU¹ Fábio FERNANDES² António PEREIRA²

¹ University of Aveiro, Portugal

² Centre for Mechanical Technology and Automation (TEMA), Department of Mechanical Engineering, University of Aveiro, 3810-193,, Portugal

Respirometric in Situ Methods for Real-Time Monitoring of Corrosion Rates

Michael STREBL¹ Mark BRUNS¹ Sannakaisa VIRTANEN¹

¹ University Erlangen-Nürnberg (FAU), Germany

SOCORRO: from corrosion monitoring to management

Marjolein VANOPPEN¹ Jeroen TACQ² Raf DEWIL³ Kris DE BAERE⁴ Olivier SCHALM⁴ Geert POTTERS⁴

¹ University of Ghent, Belgium

² SIRRIS, Belgium

³ Catholic University of Leuven, Belgium

⁴ Antwerp Maritime Academy, Belgium

Panel No.	On display	Title
		Temperature effect on the corrosion resistance of cemented carbides Alexandre FERRO ROCHA ¹ Pedro SILVA ¹ Ana M.R. SENOS ¹ Alexandre C. BASTOS ¹ Mário G.S. FERREIRA ¹ ¹ University of Aveiro, Portugal
		Titanium-Tantalum alloys with bioactive surface for orthopaedic implants Julia MIRZA ROSCA ¹ Viviana LUCERO BALDEVENITES ¹ Nestor FLORIDO SUAREZ ¹ Pedro SOCORRO PERDOMO ¹ Alexandru PASCU ² Elena STANCIU ³ ¹ University of Las Palmas de Gran Canaria, Spain ² Transilvania University of Brasov, Romania ³ Transilvania Univrsity of Brasov, Romania

Corrosion Education (WP7)

Marine Corrosion (WP9)

Panel No.	On display	Title
		Smart Self-Monitoring Coating Systems (SmartCoat) Ana Carolina ARAUJO LASCANO ¹ Shiladitya PAUL ² David PARFITT ³ ¹ NSIRC, United Kingdom ² TWI, United Kingdom ³ Coventry University, United Kingdom
		Stress corrosion cracking resistance of model AlMg alloys and commercial Al 5754 alloy in simulated seawater Aleksandra TOWAREK ¹ Wojciech JURCZAK ² Jarosław MIZERA ¹ ¹ Warsaw University of Technology, Poland ² Polish Naval Academy, Poland

Microbial Corrosion (WP10)

Panel No.	On display	Title
		Correlative microscopy imaging of microbial corrosion Marc TAMISIER ¹ Matthias SCHMIDT ² Hryhoriy STRYHANYUK ² Hans-Hermann RICHNOW ² Florin MUSAT ² ¹ Helmholtz-Centre for Environmental Research - UFZ, Germany ² Helmholtz Centre for Environmental Research - UFZ, Germany

Corrosion of Steel in Concrete (WP11)

Panel No.	On display	Title
		Service life of reactor containment buildings in nuclear power plants in MENA region Yongsun YI ¹ Pyungyeon CHO ¹ Boohyun AN ¹ ¹ Nuclear Technology Center, Khalifa University, United Arab Emirates

Corrosion in Oil & Gas Production (WP13)

Panel No.	On display	Title
		Assessing the degradation performance of duplex coating based on Zinc-Nickel plating for lubrication of premium OCTG connections Alexandre FRANCOIS-HEUDE ¹ Pauline RONFARD ¹ Guillaume BERTHET ¹ ¹ VALLOUREC, France
		Electrochemical cleaning of steel surfaces Sigrid LÆDRE ¹ Kamila GAWEL ¹ Torstein LANGE ¹ Laura EDVARDESEN ¹ Narjes JAFARIESFAD ² Alexandre LAVROV ¹ ¹ SINTEF, Norway ² NTNU, Norway
		Erosion Corrosion Phenomena in oil and gas facilities: evaluation and monitoring Humberto RODRIGUEZ ¹ Laurent DEHAYS ¹ Igor PIPAS ¹ Raquel ARAUJO ¹ Mioara STROE ² ¹ Total E&P Angola, Angola ² Total SA, Angola
		Resistance to stress corrosion cracking of a new high strength stainless steel wire material Mathias TRUSCHNER ¹ Anton TRAUTMANN ¹ Jacqueline DEUTSCH ¹ Gregor MORI ¹ Andreas KEPLINGER ² Hubert KÖBERL ³ Marlene KAPP ⁴ Peter GRUBER ⁴ ¹ Montanuniversitaet Leoben, Austria ² Voestalpine BÖHLER Edelstahl GmbH & Co KG, Austria ³ Voestalpine Wire Austria GmbH, Austria ⁴ Voestalpine Wire Rod Austria GmbH, Austria
		Stress corrosion cracking and localized corrosion resistance of two new CrNiMnN stainless steels Jacqueline DEUTSCH ¹ Gregor MORI ² Rainer FLUCH ³ Andreas KEPLINGER ³ Bernd HOLPER ⁴ ¹ University of Leoben/Chair of General and Analytical Chemistry, Austria ² University of Leoben/ Chair of General and Analytical Chemistry, Austria ³ Voestalpine BÖHLER Edelstahl GmbH & Co KG, Austria ⁴ Schoeller Bleckmann Oilfield Technology GmbH, Austria

Coatings (WP14)

... Metallic Coatings

Panel No.	On display	Title
		ALD films deposited on AA2024 substrates for corrosion protection Marco OLIVEIRA ¹ Ricardo SILVA ² Kiryl YASAKAU ² Alexandre BASTOS ² Silvar KALLIP ³ Rui SILVA ² Mikhail ZHELUDKEVICH ⁴ Mário FERREIRA ² ¹ University of Aveiro, Portugal ² CICECO, DEMaC, University of Aveiro, Portugal ³ Institute of Chemistry, University of Tartu, Estonia ⁴ Magnesium Innovation Centre–MagIC, Helmholtz-Zentrum Geesthacht (HZG), Germany
		Anticorrosion, anti-friction, and elastocaloric performance of laser-cladded Ni-Ti coatings on Mg Yuyun YANG ¹ Chiyike ZHANG ¹ Xiufang CUI ¹ Guo JIN ¹ ¹ Harbin Engineering University, China PR

Panel No. On display Title

Electrodeposition of Nickel-Cobalt Alloy/MWCNT Composite Coatings Using Deep Eutectic Solvents - Evaluation of Corrosion Behavior

Anca COJOCARU¹ Sabrina Patricia ROSOIU² Oana LAZAR³ Stefania COSTOVICI⁴ Aida GHIULNARE PANTAZI⁴ Marius ENACHESCU² Liana ANICAI² Teodor VISAN²

¹ University POLITEHNICA of Bucharest, Romania

² Center of Surface Science and Nanotechnology, University Politehnica of Bucharest, Romania

³ Center of Surface Science and Nanotechnology, University Politehnica of Bucharest,, Romania

⁴ Center of Surface Science and Nanotechnology, University Politehnica of Bucharest,, Romania

SURFACE CHARACTERIZATION OF ZINC DEPOSITED FROM AN ALKALINE ELECTROLYTE CONTAINING POLYCATIONIC POLYMER

Gastelle F. TIÉTCHA¹ Laura MEARS² Ingo KLÜPPEL¹ Marcel ROTH¹ Markus VALTINER²

¹ Dörken MKS-Systeme GmbH & Co. KG, Germany

² Vienna University of Technology, Institute of Applied Physics, Austria

... Inorganic Coatings

Panel No. On display Title

Anodization from ionic liquid and deep eutectic solvents: alternative routes to traditional surface treatment

Lapo GABELLINI¹ Stefano MARTINUZZI¹ Francesca BORGIOI¹ Emanuele GALVANETTO¹ Massimo INNOCENTI¹ Nicoletta DITARANTO² Rosaria PICCA² Nicola CALISI¹ Stefano CAPORALI¹

¹ Università di Firenze, Italy

² Università di Bari, Italy

Anticorrosive properties of Aluminum-hydroxide films on Aluminum alloy substrate fabricated by using steam

Ai SERIZAWA¹ Masahiro TANABE¹ Kouji KANASUGI¹

¹ Shibaura Institute of Technology, Japan

Barrier properties of Sol-Gel layer applied on PEO porous coatings for AA2024 corrosion protection

Luciane SOPCHENSKI SANTOS¹ Amandine PORTIER¹ Véronique VITRY² Marie-Georges OLIVIER¹

¹ Materials Science Department, Faculty of Engineering, University of Mons, Belgium

² University of Mons, Belgium

Corrosion of Inhibitor-loaded Phosphate Conversion Coatings on AZ31 Alloy

Borja PILLADO¹ Marta MOHEDANO¹ Endzhe MATYKINA¹ Raúl ARRABAL¹

¹ Departamento de Ingeniería Química y de Materiales, Facultad de Ciencias Químicas, Universidad Complutense, Spain

Panel No.	On display	Title
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Corrosion protection of concrete in sewage transferring pipes with magnesium hydroxide/methyl cellulose coatings
Domna MERACHTSAKI¹ Eirini-Chrysanthi TSARDAKA² Evangelia TSAMPALI² Eleftherios ANASTASIOU³ Haris YIANNOULAKIS⁴ Anastasios ZOUBOULIS¹
¹ Department of Chemistry/Aristotle University of Thessaloniki, Greece
² Department of Civil Engineer/Aristotle University of Thessaloniki, Greece
³ Department of Civil Engineer, Aristotle University of Thessaloniki, Greece
⁴ Research Center/Grecian Magnesite S.A., Greece

... Organic Coatings

Panel No.	On display	Title
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Conformal coating solutions
Maarten HAEGDORENS¹
¹ Nordson, Netherlands

Corrosion resistance of biodegradable magnesium alloys in the Hank's solution
Iryna KOZINA¹ Maria STAROWICZ¹ Magdalena KAWALEC¹ Halina KRAWIEC¹
¹ AGH University of Science and Technology, Poland

Incorporation of a coumaric acid based corrosion inhibitor in waterborne polymeric binders
Diulia Caroline QUITES RODRIGUES¹ Jose Ramon LEIZA¹ Maria FORSYTH² Maria PAULIS¹
¹ POLYMAT, University of the Basque Country UPV/EHU, Spain
² Institute for Frontier Materials, Deakin University, Australia

The preparation and protection mechanism of the conductive PANI based composite coatings on stainless steel
Junlei TANG¹ Xiaoxia HAN¹ Yingying WANG¹
¹ Southwest Petroleum University, China PR

... Pretreatments

... Self-healing and Smart Coatings

Panel No.	On display	Title
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Development of environmentally-friendly self-healing organic coatings for smart corrosion protection from alumina obtained from sludge produced in an electrocoagulation process for ground water remediation
Abenchara María BETANCOR-ABREU¹ Juan José SANTANA² Vicente MENA¹ Ricardo SOUTO³ Javier IZQUIERDO⁴
¹ Universidad de La Laguna, Spain
² Universidad de Las Palmas de Gran Canaria, Spain
³ Universidad de La Laguna/Institute of Material Science and Nanotechnology, Spain
⁴ Universidad de La Laguna / Institute of Material Science and Nanotechnology, Spain

Evaluation of the anticorrosive performance and self-healing properties of a shape-memory epoxy coating
Fernando COZIM MELGES¹ Brunela PEREIRA DA SILVA¹ Idalina VIEIRA AOKI¹
¹ University of São Paulo, Brazil

Panel No.	On display	Title
		New technology for contactless coatings thickness measurements Stéphane CHAILLOT ¹ ¹ ENOVASENSE, France
		Self-healing properties of epoxy coatings loaded with titania nanocontainers with encapsulated dodecylamine Brunela PEREIRA DA SILVA ¹ Idalina VIEIRA AOKI ¹ ¹ University of São Paulo, Brazil

Corrosion in the Refinery and Petrochemistry Industry (WP15)

Panel No.	On display	Title
		14C analysis of organic acids in hydrocarbon mixtures Richard KATONA ¹ Roland LOCSKAI ¹ Antal KRÓJER ¹ Anita CSORDÁS ¹ Tibor KOVÁCS ¹ ¹ University of Pannonia, Hungary

Cathodic Protection (WP16)

Automotive Corrosion (WP17)

Panel No.	On display	Title
		Corrosion behavior of the steel used in automotive industry Aziz CHAMI ¹ Rajaa BENABBOU ¹ Mustapha TALEB ² Zakia RAIS ² Mounia EL HAJI ¹ ¹ Optimization of Industrial and Logistics Systems Team (OSIL), Laboratory of Research and Engineering (LRI), Hassan II University, ENSEM, Morocco ² Laboratory of Engineering, Electrochemistry, Modeling, and Environment (LIEME), Faculty of Sciences, University Sidi Mohamed Ben Abdellah, Morocco
		EVALUATION OF CORROSION BEHAVIOUR OF WELDING WIRES WITH ADVANCED CHEMICAL COMPOSITION IN AUTOMOTIVE STEELS Juan CARDENAS ¹ ¹ Metalsa, Mexico
		Study of the corrosion behaviour of condenser tubes using galvanostatic test Alfy BELE-ZATA ¹ Christian CASENAVE ¹ Anne-Gaelle NOUMET ¹ Maryse PHILIPPE ¹ ¹ VALEO, France

Tribocorrosion (WP18)

Panel No.	On display	Title
		Development of evaluation methods for deteriorated grease Taichi KEINO ¹ Junpei YAMANAKA ¹ Yukiko FURUHASHI ¹ Teruhisa TATSUOKA ¹ ¹ Tokyo Electric Power Company Holdings, Inc., Japan
		Laser-applied polymeric multilayer-coatings for high-demand applications: Sustainability by corrosion protection, friction and wear reduction Anna BULING ¹ Laura GUETSE DONGMO ¹ Joerg ZERRER ¹ ¹ ELB Eloxalwerk Ludwigsburg Helmut Zerrer GmbH, Germany

Panel No.	On display	Title
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Microstructural characterization and Tribological properties of Electroless Nickel PTFE Coatings for Geothermal Applications

Gifty OPPONG BOAKYE¹ Danyil KOVALOV¹ Andri Í. THÓRHALLSSON¹ Sandeep IRUKUVARGHULA² Raja KHAN² Sigrún N. KARLSDÓTTIR¹

¹ University of Iceland, Faculty of Industrial Eng., Mechanical Eng., and Computer Science, Hjardarhagi 2-6, Iceland

² TW1 Ltd, Granta Park, United Kingdom

Polymers and Advanced Materials (WP19)

Corrosion & Corrosion Protection of Drinking Water Systems (WP20)

Corrosion of Archaeological and Historical Artefacts (WP21)

Panel No.	On display	Title
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Ancient Roman brass vessel - what can we learn about the history of the object from its chemical analysis?

Aleksandra TOWAREK¹ Anna MISTEWICZ² Andrzej MACIAŁOWICZ³ Marcin RUDNICKI⁴ Marcin WOŹNIAK⁵ Jarosław MIZERA¹

¹ Warsaw University of Technology, Poland

² National Museum in Warsaw, Poland

³ Institute of Archaeology, University of Warsaw, Poland

⁴ Independent researcher, Poland

⁵ The Museum of Ancient Mazovian Metallurgy, Poland

Electrochemical and spectroscopic study of bronze sculptures exposed to urban environment

Helena OTMACIC CURKOVIC¹ Dajana MIKIC¹ Tadeja KOSEC²

¹ Faculty of Chemical Engineering and Technology University of Zagreb, Croatia

² Slovenian national building and civil engineering institute, Croatia

Corrosion Control in Aerospace (WP22)

Panel No.	On display	Title
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Corrosion inhibition of AA2024-T3 using anodic films containing tannic acid and gallic acid
Carla Sofia PROENÇA¹ Bruno SERRANO² Ana Maria CABRAL³ Maria Eduarda ARAÚJO⁴ Jorge CORREIA⁴

¹ Faculdade de Ciências da Universidade de Lisboa and ISQ, Portugal

² Força Aérea Portuguesa, Portugal

³ ISQ, Portugal

⁴ Faculdade de Ciências, Portugal

Development of novel coatings for the protection of high strength steels

Nigar MALIK¹ Karl RYDER² Shiladitya PAUL³ Ben ROBINSON⁴

¹ University of Leicester, United Kingdom

² Uni of Leicester, United Kingdom

³ Uni of Leicester and TWI- Cambridge, United Kingdom

⁴ TWI- Cambridge, United Kingdom

Panel No.	On display	Title
		Electrochemical Study of D-aminoacids as a biocorrosion inhibitor in aeronautical aluminum alloys Claudia ALVARADO ¹ Diego URREA ¹ Nelson VEJAR ¹ ¹ Fuerza Aérea de Chile, Chile
		L'étude électrochimie de l'inhibition de la corrosion de l'alliage d'Al 2024 utilise dans l'industrie aéronautique par un inhibiteur écologique en milieu NaCl 3,5% Yasmine FERNINE ¹ NADIA ARROUSSE ¹ Fatima zehra BOUSRAF ¹ Fadoua EL HAJJAJI ¹ Mohamed EBN TOUHAMI ² Zakia RAIS ¹ Mustapha TALEB ¹ ¹ FSDM, Morocco ² FSK, Morocco

Corrosion Reliability of Electronic Materials and Devices (WP23)

Panel No.	On display	Title
		Selection of flexible metal current collectors for printed primary batteries Vikas KUMAR ¹ David SMYTH-BOYLE ² Shiladitya PAUL ² ¹ University of Leicester, United Kingdom ² TWI Ltd., United Kingdom

CO₂-Corrosion in Industrial Applications (WP 24)

Atmospheric Corrosion (TF)

Panel No.	On display	Title
		Suppression of atmospheric corrosion of a number of metals in livestock buildings by volatile inhibitors Liudmila TSYGANKOVA ¹ Vladimir VIGDOROVICH ² Larisa KNYAZEVA ² Andre DOROKHOV ² Anastasiya DOROKHOVA ³ Evgenia SHEL ⁴ Natalia SHEL ⁴ ¹ All-Russian Scientific Research Institute of Use of Machinery and Oil Products, Derzhavin State University, Russia ² All-Russian Scientific Research Institute of Use of Machinery and Oil Products,, Russia ³ Derzhavin State University, Russia ⁴ Tambov State Technical University, Russia

Coatings for High Temperatures (WP3 + WP14)

Environmentally-assisted crack initiation (WP4, WP5 + WP22)

Marine and Microbial corrosion (WP9 +WP10)

Panel No.	On display	Title
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Panel No.	On display	Title
		<p>Role of extracellular electron transfer in microbiologically influenced corrosion of X80 steels by <i>Shewanella oneidensis</i> MR-1</p> <p>Ziyu LI¹ Weiwei CHANG² Dake XU³ Dawei ZHANG⁴ J.M.C MOL⁵</p> <p>¹ Department of Materials Science and Engineering, Delft University of Technology; Institute for Advanced Materials & Technology, University of Science and Technology Beijing, Netherlands</p> <p>² Institute for Advanced Materials & Technology, University of Science and Technology Beijing, China PR</p> <p>³ School of Materials Science and Engineering, Northeastern University, China PR</p> <p>⁴ Institute for Advanced Materials and Technology, University of Science and Technology Beijing, China PR</p> <p>⁵ Department of Materials Science and Engineering, Delft University of Technology, Netherlands</p>

Cathodic Protection in Marine Environment (WP9 + WP16)

Ancient metals in marine environments: corrosion mechanisms and protective treatments (WP9 + WP21)

Corrosion in Concrete and Cathodic Protection (WP11 + WP16)

Additive manufacturing in Oil & Gas applications (WP13)

Corrosion in Low Carbon Energy Technologies (WP13, WP15, TF G.E. + WCO)

Panel No.	On display	Title
		<p>Analysis of aged photovoltaic modules</p> <p>Romain BODEUX¹ Amadou Dioulafar SANE² Julien DUPUIS³ Polina VOLOVITCH⁴</p> <p>¹ EDF R&D, France</p> <p>² Institut Photovoltaïque d'Ile de France (IPVF), France</p> <p>³ EDF R&D, EDF Lab Les Renardières, France</p> <p>⁴ Chimie ParisTech, PSL University-CNRS, IRCP, France</p>
		<p>Corrosion behaviour of Fe-doped TiO₂/Al₂O₃ composite coatings for heat exchangers</p> <p>Garima MITTAL¹ Francesco FANICCHIA² Imran BHAMJI² Shiladitya PAUL²</p> <p>¹ University of Leicester, United Kingdom</p> <p>² The Welding Institute Ltd., United Kingdom</p>

Coatings for Tribocorrosion Systems (WP14 + WP18)

Polymers in Organic Coatings (WP14 + WP19)

Corrosion monitoring: Way to predict atmospheric corrosion (WP 17, WP22 and TF A.C.)

Panel No.	On display	Title
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Panel No.	On display	Title
		<p>Effects of Deposition Concentration and Time of Wetness on Atmospheric Corrosion and Under-Film Corrosion of Steel Structures</p> <p>Teruhisa TATSUOKA¹ Akikiyo KUROKAWA¹ Keiichi YOSHINO¹ Nobuhiro KISHIGAKI¹ Tomoaki OSONO² Takuro MIYAJIMA² Takeshi KOBAYASHI² Motoyuki YAMAZAKI² Tomoki KITASHIMA²</p> <p>¹ Tokyo Electric Power Company Holdings, Inc., Japan ² TEPCO Power Grid, Inc., Japan</p>

Corrosion and corrosion protection of additive manufactured metals (VUB)

Panel No.	On display	Title
		<p>Characterization and Performance of Additive Manufactured Al and Ti alloys</p> <p>Marta MOHEDANO¹ Hugo MORA-SANCHEZ¹ Sara CARRACELAS² David PASCUAL¹ Joaquin BOLADO¹ Endzhe MATYKINA¹ Marcos DIEZ² Jacobo OTERO² Raul ARRABAL¹</p> <p>¹ Universidad Complutense de Madrid, Spain ² AIMEN Technology Centre, Spain</p>
		<p>Corrosion of stainless steel produced by Laser Beam Melting</p> <p>Sebastien MERCIER¹</p> <p>¹ ONERA Chatillon, France</p>
		<p>Influence of Porosity on the Microstructural and Corrosion Properties of PEO Coated Additive Manufactured AlSi10Mg Alloy</p> <p>Luca PEZZATO¹ Alessio Giorgio SETTIMI¹ Manuele DABALÀ¹ Katya BRUNELLI¹</p> <p>¹ University of Padova, Italy</p>
		<p>Influence of post-treatment temperature on the corrosion behaviour of Scalmalloy® samples prepared using Direct Metal Laser Sintering</p> <p>Leticia CABRERA CORREA¹ Juan LÓPEZ CASTRO¹ Leandro GONZÁLEZ¹ Francisco CAAMAÑO² Javier BOTANA¹</p> <p>¹ University of Cadiz, Spain ² Titania Ensayos y Proyectos Industriales, Spain</p>
		<p>Study of properties of dental materials, fabricated by additive technologies</p> <p>Andraž LEGAT¹ Tadeja KOSEC¹</p> <p>¹ ZAG - Slovenian National Building and Civil Engineering Institute, Slovenia</p>

Corrosion and corrosion protection from micro- to nano-scale. Towards long-term durability of miniaturized systems (mCBEEs)

Panel No.	On display	Title
		<p>Characteristic of structure and corrosion resistance of chitosan based coatings deposited on MgZnCa alloy</p> <p>Iryna KOZINA¹ Maria STAROWICZ¹ Maria LEKKA² Lorenzo FEDRIZZI² Halina KRAWIEC¹</p> <p>¹ AGH University of Science and Technology, Poland ² University of Udine, Italy</p>

Panel No. On display Title

Critical Review of Finite Element Modelling of Aluminum Alloys and Quantification of Pit Population Density on AA2024 for the Development of a New Deterministic Model to Simulate Pitting Corrosion

Chinmay PARDESHI¹ Bart VAN DEN BOSSCHE¹ Heidi OTTEVAERE² Herman TERRY³

¹ Elsyca NV, Belgium

² Department of Applied Physics and Photonics, Brussels Photonics Team (B-PHOT), Vrije Universiteit Brussel, Belgium

³ Department of Materials and Chemistry, Research Group Electrochemical and Surface Engineering (SURF), Vrije Universiteit Brussel, Belgium

In situ monitoring of the cathodic reactions taking place during the corrosion of decorative nickel-chromium systems by scanning electrochemical microscopy

Eva GARCÍA-LECINA¹ Larraitz GANBORENA¹ Yaiza GONZALEZ-GARCIA² Jesús Manuel VEGA¹

¹ Fundación CIDETEC, Spain

² Delft University of Technology, Netherlands