Posternumber	Paper title	Authors	Submission ID
Corrosion and Scale Inhibition (WP1)			
WP1.1	Influence of concentration and coating time on the barrier formation of sustainable N-acyl sarcosines to protect low carbon steel in aqueous solution.	Saad Kaskah (University of Koblenz-Landau, Koblenz) / Gitta Ehrenhaft (Institute of mechanics and material science, TH Mittelhessen University of Applied Sciences, Giessen) / Jörg Gollnick (Institute of mechanics and material science, TH Mittelhessen University of Applied Sciences, Giessen) / Christian Fischer (Department of Physics, University Koblenz-Landau, Koblenz)	105792
WP1.3	Effect of the Cerium (III) chloride on the corrosion inhibition of aluminium alloy	Marin Kurtela (Faculty of Mechanical Engineering and Naval Architecture , Zagreb, Croatia) / Vinko Šimunović (Faculty of Mechanical Engineering and Naval Architecture, Zagreb, Croatia) / Vesna Alar (Faculty of Mechanical Engineering and Naval Architecture , Zagreb, Croatia) / Suzana Jakovljević (Faculty of Mechanical Engineering and Naval Architecture , Zagreb, Croatia)	108162
WP1.4	Assessment of Glycine Propyl Ester Lauryl Hydrochloride as Sustainable Mild Steel Corrosion Inhibitor in 1M HCl	Saman Zehra (Aligarh Muslim University, Aligarh, India) / Mohammad Mobin (Aligarh Muslim University, Aligarh, India)	110337
WP1.5	Aqueous Corrosion through Galvanic Coupling in a Two-Phase Material: The Role of Interface Crystallography	Irshad khan (IIT BOMBAY, MUMBAI, India)	112527
WP1.6	Effect of water chemistry on scaling in heating systems	Georgeanna Kawaley (Mitsubishi Electric R&D Center Europe BV, Livingston West Lothian, United Kingdom)	113057
WP1.7	The Analysis for Phosphate-Free Coating Pretreatment Corrosion of Annealed Steel Sheet	Ting Shang (Shougang research institute of Technology, Beijing, China PR)	114317
WP1.8	Corrosion acceleration by RE3+ ions	Marco Oliveira (CICECO, DEMaC, University of Aveiro, Aveiro, Portugal) / Silvar Kallip (Institute of Chemistry, University of Tartu, Tartu, Estonia) / Alexandre Bastos (CICECO, DEMaC, University of Aveiro, Aveiro, Portugal) / Theodor Hack (Airbus Central R&T, Munich) / Mikhail Zheludkevich (Magnesium Innovation Centre−MagIC, Helmholtz-Zentrum Geesthacht (HZG), Geesthacht) / Mário Ferreira (CICECO, DEMaC, University of Aveiro, Aveiro, Portugal)	116267
WP1.9	Extraction of essential oil from Artemisia herba alba and it application in the protection of Aluminum in HCl medium	Nacer HECHICHE (université Mouloud Mammeri Tizi-Ouzou, Tizi-Ouzou, Algeria)	117932

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WP1.10	Surface treatments for controlling corrosion rate of biodegradable Mg alloy in simulated body fluid	Husnu Gerengi (Corrosion Research Laboratory, Department of Mechanical Engineering, Faculty of Engineering, Duzce University, 81620, Turkey) / Ertugrul Kaya (Corrosion Research Laboratory, Department of Mechanical Engineering, Faculty of Engineering, Duzce University, Duzce, Turkey)	118707
WP1.11	Analysis of Egyptian plant waste streams as a potential source of green corrosion inhibitors	Nicola Everitt (The University of Nottingham, Nottingham, United Kingdom) / Katy Voisey (The University of Nottingham, Nottingham, United Kingdom) / Irene Samy (Nile University, Cairo, Egypt)	119242
WP1.12	Effect of FeAl-alloy microstructure on the oxidation process of the intermetallic phase at 900 and 1000°C	Dorota Pasek (Silesian University of Technology, Katowice, Poland) / Maria Sozańska (Silesian University of Technology, Katowice, Poland) / Janusz Cebulski (Silesian University of Technology, Katowice, Poland)	119307
WP1.13	The influence of phase structure on corrosion behavior of magnesium based alloys with lithium addition	Ewa Ura-Binczyk (Warsaw University of Technology, Warsaw, Poland) / Anna Dobkowska (Warsaw Univerisity of Technology, Warsaw , Poland) / Boguslawa Adamczyk-Cieslak (Warsaw University of Technology, Warsaw, Poland) / Jaroslaw Mizera (Warsaw University, Warsaw, Poland)	119402
WP1.14	Continuous Downhole Corrosion Inhibitor Treatment of Selected Saudi Aramco Water Supply Wells	Yahya T. AlJanabi (Saudi Aramco, Dhahran , Saudi Arabia) / Mostafa M. Alsalem (Saudi Aramco, Dhahran, Saudi Arabia) / Mustafa S. Al-Jawad (Saudi Aramco, Dhahran, Saudi Arabia) / David R. Lewis (Saudi Aramco, Dhahran, Saudi Arabia)	119440
WP1.15	Dandelion extract as a green corrosion inhibitor for carbon steel in 0.5 M H2SO4 solution	Mohamed Deyab (Egyptian Petroleum Research Institute, cairo, Egypt)	120037
WP1.16	Effects of TiO2 nanoparticles on anti-corrosion performance of brass in simulated water containing surfactant	Hong-Hua Ge (Shanghai University of Electric Power, Shanghai , China PR) / Kai Wu (Shanghai University of Electric Power,, Shanghai, China PR)	120307
WP1.17	Water soluble Imidazolium Zwitterion as green corrosion inhibitors for mild steel: Experimental, DFT and MD studies	M. A. QURAISHI (Center of Research Excellence in Corrosion, Research Institute, King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia., Dhahran, Saudi Arabia) / Vandana Srivastava (Department of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi -221005, India., Varanasi, India) / Jiyaul Haque (Department of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi -221005, India., varanasi, India)	120357

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WP1.18	New carboxylate based corrosion inhibitors for mild steel.	Anthony Somers (Institute for Frontier Materials, Deakin University, Burwood, Australia) / Maria Forsyth (Institute for Frontier Materials, Deakin University, Burwood, Australia) / Esther Udabe (POLYMAT, Donostia-San Sebastian, Spain) / David Mecerreyes (POLYMAT, Donostia-San Sebastian, Spain)	121362
Corrosion by Hot Gases and Combustion Products (WP3)			
WP3.2	Increasing acid dew point corrosion resistance by thin coating layer on steel	Changhoon Choi (POSCO, 6262 Donghaean-ro, Nam-gu, Pohang-si, Korea, South) / Byoung Ho Lee (POSCO, Pohang-si, Korea, South) / Minho Jo (POSCO, Pohang-si, Korea, South) / Myung Soo Kim (POSCO, Gwangyang-si, Korea, South)	104977
WP3.3	Behavior of three cast chromium-rich cobalt-based alloys in oxidation at 900°C in a 100% water vapour atmosphere	Patrice Berthod (University of Lorraine / Institut Jean lamour, Nancy, France) / Mélissa Léglise (University of Lorraine / Institut Jean Lamour, Nancy, France) / Thierry Schweitzer (University of Lorraine / Institut Jean Lamour, Nancy, France) / Lionel Aranda (University of Lorraine / Institut Jean Lamour, Nancy, France) / Kevin Ginestar (Commissariat à l'Energie Atomique et aux Energies Alternatives, Saclay, France) / Sophie Bosonnet (Commissariat à l'Energie Atomique et aux Energies Alternatives, Saclay, France)	106567
WP3.4	Degradation at 550°C of cast chromium-rich cobalt-based alloys exposed to a H2O-O2-CO2-HCl gaseous mixture	Patrice Berthod (University of Lorraine / Institut Jean Lamour, Nancy, France) / lionel Aranda (University of Lorraine / Institut Jean Lamour, Nancy, France) / Thierry Schweitzer (University of Lorraine / Institut Jean Lamour, Nancy, France) / Christophe Rapin (University of Lorraine / Institut Jean Lamour, Nancy, France) / Didier Souchon (Veolia Environnement Recherche et Innovation, Centre de Recherche de Limay, Limay, France) / Farès Maad (Veolia Environnement Recherche et Innovation, Centre de Recherche de Limay, Limay, France) / Jean-Michel Brossard (Veolia Environnement Recherche et Innovation, Centre de Recherche de Limay, Limay, France)	106617
WP3.5	MATERIAL CORROSION TROUBLES ON HEAT RECOVERY SECTION IN WASTE TO ENERGY FACILITY	Ha-Na Jang (Yonsei University, Wonju, Korea, South) / Eun-song Lee (Yonsei University, Wonju, Korea, South)	107452

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WP3.6	The formation of ceramic coatings on the surface of plasma-chemical reactor for biomass utilization	Zydrunas Kavaliauskas (Lithuanian Energy Institute, Kaunas, Lithuania) / Dovilė Gimzauskaite (Lithuanian Energy Institute, Kaunas, Lithuania) / Viktorija Grigaitiene (Lithuanian Energy Institute, Kaunas, Lithuania) / Liutauras Marcinauskas (Lithuanian Energy Institute, Kaunas, Lithuania) / Vitas Valincius (Lithuanian Energy Institute, Kaunas, Lithuania) / MIndaugas Milieska (Lithuanian Energy Institute, Kaunas, Lithuania) / Romualdas Kezelis (Lithuanian Energy Institute, Kaunas, Lithuania)	107842
WP3.7	Hot corrosion of HP/HVOF sprayed MCrAlY coatings in molten salt environment	Kate¿ina Kopelentová (Výzkumný a zkušební ústav Plzeň s.r.o., Plzeň Plzeň, Czech Republic) / Zdeněk Česánek (Výzkumný a zkušební ústav Plzeň s.r.o., Pilsen, Czech Republic) / Jan Schubert (Výzkumný a zkušební ústav Plzeň s.r.o., Pilsen, Czech Republic)	109367
WP3.8	High temperature hot corrosion behavior of selected thermally sprayed coatings in an aggressive environment at 690 °C	Zdeněk Česánek (Výzkumný a zkušební ústav Plzeň s.r.o., Pilsen, Czech Republic) / Kateřina Kopelentová (Výzkumný a zkušební ústav Plzeň s.r.o., Pilsen, Czech Republic) / Jan Schubert (Výzkumný a zkušební ústav Plzeň s.r.o., Pilsen, Czech Republic)	109387
WP3.9	Gas phase conductivity and its effect to Cr2O3 volatility in Ar and Ar-5%H2	Syamsul Kamal Arifin (International Islamic University Malaysia, Kuala Lumpur, Malaysia) / Ahmad Nukhaie Berahim (International Islamic University Malaysia, Kuala Lumpur, Malaysia) / Mohd Hanafi Ani (International Islamic University Malaysia, Kuala Lumpur, Malaysia)	110297
WP3.10	Current-Voltage measurement of Fe-Cr alloy at high temperature in dry and wet condition	Ahmad Nukhaie Berahim (International Islamic University Malaysia, Kuala Lumpur, Malaysia) / Syamsul Kamal Arifin (International Islamic University Malaysia, Kuala Lumpur, Malaysia) / Muhammad Syamim Mohamad Fauzi (International Islamic University Malaysia, Kuala Lumpur, Malaysia) / Mohd Hanafi Ani (International Islamic University Malaysia, Kuala Lumpur, Malaysia)	110922

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WP3.11	Microstructure of Sanicro 25 after long-term steam oxidation characterised by advanced electron microscopy techniques	Grzegorz Cempura (1AGH University of Science and Technology, International Centre of Electron Microscopy for Materials Science and Faculty of Metals Engineering and Industrial Computer Science, Krakow, Poland) / Aleksander Gil (2AGH University of Science and Technology, Faculty of Materials Science and Ceramics, Krakow, Poland) / Alina Aguero (Instituto Nacional de Técnica Aeroespacial, Departamento de Materiales y Estructuras, Torrejón de Ardoz, Spain) / Adam Kruk (1AGH University of Science and Technology, International Centre of Electron Microscopy for Materials Science and Faculty of Metals Engineering and Industrial Computer Science, Kraków, Poland) / Aleksandra Czyrska-Filemonowicz (1AGH University of Science and Technology, International Centre of Electron Microscopy for Materials Science and Faculty of Metals Engineering and Industrial Computer Science, Kraków, Poland) / Marcos Gutierrez (Instituto Nacional de Técnica Aeroespacial (INTA), Departamento de Materiales y Estructuras, Torrejón de Ardoz, Spain)	113982
WP3.12	The effect of reactive elements on the formation and hot corrosion performance of aluminide coating	Farhad Shahriari Nogorani (Shiraz University of Technology, Shiraz, Iran) / Farhad Fatemi (Shiraz University of Technology , Shiraz, Iran)	115107
WP3.13	Anti-corrosion coatings produced from complex oxides	Oleg Chizhko (German-Russian College, Tscherkessk, Russia)	118347
WP3.14	Lifetime Prediction of Yttria Stabilized Zirconia (YSZ), La2Zr2O7, Gd2Zr2O7, YSZ/ La2Zr2O7 and YSZ/ Gd2Zr2O7 Thermal Barrier Coatings (TBCs) with Cold Gas Dynamic Spray (CGDS) bond coat under Furnace Thermal Cyclic Loadings	Abdullah Cahit Karaoglanli (Bartin University, Department of Metallurgical and Materials Engineering, Bartin, Turkey) / Kadir Mert Doleker (Bartin University, Department of Metallurgical and Materials Engineering, Bartin, Turkey)	122035
WP3.15	Investigation of Microstructure, Oxidation, and Interface Properties of Single and Double-Layer Gadolinium Zirconate/Yttria Stabilized Zirconia Thermal Barrier Coatings (TBCs)	Abdullah Cahit Karaoglanli (Bartin University, Department of Metallurgical and Materials Engineering, Bartin, Turkey) / Kadir Mert Doleker (Bartin University, Department of Metallurgical and Materials Engineering, Bartin, Turkey)	122050
Nuclear Corrosion (WP4)			
WP4.3	Investigation of the effects of irradiation on corrosive environments using in-situ electrochemical measurements during gamma-ray irradiation	Tomonori Sato (Japan Atomic Energy Agency, Tokai-mura, Japan) / Fumiyoshi Ueno (Japan Atomic Energy Agency, Tokai-mura, Japan)	115387
WP4.5	Corrosion Characteristics of Additively Manufactured Engineering Metallic Components	Raúl B. Rebak (GE Global Research, Schenectady, United States of America) / Xiaoyuan Lou (Auburn University, Auburn, United States of America)	121217

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WP4.6	High temperature corrosion phenomena during a nuclear severe accident – The corium-concrete interaction	Andrea Quaini (Den-Service de la Corrosion et du Comportement des Matériaux dans leur Environnement (SCCME), CEA, Université Paris-Saclay, Gif-sur-Yvette, France) / Christine Guéneau (Den-Service de la Corrosion et du Comportement des Matériaux dans leur Environnement (SCCME), CEA, Université Paris-Saclay , Gif-sur-Yvette, France) / Stephane Gossé (Den-Service de la Corrosion et du Comportement des Matériaux dans leur Environnement (SCCME), CEA, Université Paris-Saclay , Gif-sur-Yvette, France) / Fiqiri Hodaj (Univ. Grenoble Alpes, CNRS, Grenoble INP, SIMAP, Grenoble, France)	121610
Environment Sensitive Fracture (WP5)			
WP5.1	Stress corrosion cracking behavior of E690 steel in thiosulfate-containing artificial seawater	Huiyun Tian (Ocean University of China, Qingdao, China PR) / Qiankun Lu (Ocean University of China, Qingdao, China PR) / Zhongyu Cui (Ocean University of China, Qingdao, China PR) / Xin Wang (Ocean University of China, Qingdao, China PR)	104657
WP5.2	Diffusivity of hydrogen in advanced high strength steels and model structures	Václav Šefl (University of Chemistry and Technology Prague, Technopark Kralupy, Kralupy nad Vltavou, Czech Republic) / Darya Rudomilova (University of Chemistry and Technology Prague, Technopark Kralupy, Kralupy nad Vltavou, Czech Republic) / Tomáš Prošek (University of Chemistry and Technology Prague, Technopark Kralupy, Kralupy nad Vltavou, Czech Republic) / Pavel Salvetr (University of Chemistry and Technology Prague, Prague, Czech Republic) / Pavel Novák (University of Chemistry and Technology Prague, Prague, Czech Republic) / Andreas Muhr (voestalpine Stahl GmbH, Linz, Austria) / Gerald Luckeneder (voestalpine Stahl GmbH, Linz, Austria) / Hubert Duchaczek (voestalpine Stahl GmbH, Linz, Austria)	109322
WP5.4	HYDROGEN UPTAKE AND ITS EFFECTS ON MECHANICAL PERFORMANCE OF NODULAR CAST IRON	Antti Forsström (Aalto University School of Engineering,, Espoo, Finland) / Hannu Hanninen (Aalto University School of Engineering,, Espoo, Finland) / Yuriy Yagodzinskyy (Aalto University School of Engineering, Espoo, Finland)	118687
WP5.5	Environmental Testing of Wrought and Hot Isostatically Pressed Duplex Stainless Steels	Lisa Blanchard (University of Leicester, Leicester, United Kingdom) / Kasra Sotoudeh (TWI Ltd, Cambridge, United Kingdom) / Hongbiao Dong (University of Leicester, Leicester, United Kingdom)	121412

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	Investigating Hydrogen Embrittlement in a Nano-structured Steel	Arash Shadravan (Texas A&M University , College Station, United States of America) / Raymundo Case (Texas A&M University, College Station, United States of America)	117107
Corrosion mechanisms, methods and modelling (WP6 & WP8)			
WP6-8.1	The application of ENA for evaluation of the protective performance of ZRP modified by combinations of Zn dust with stainless steel flakes type of filler	Boleslav Eremias (SVUOM Ltd., Prague, Czech Republic) / Lubomir Mindos (SVUOM Ltd., Prague, Czech Republic) / Libor Turek (SVUOM Ltd., Prague, Czech Republic) / Libuse Hochmannova (SYNPO Inc., Pardubice, Czech Republic)	101467
WP6-8.2	ASTM-A-763 vs Ecorr. Test variables influence in ferritic stainless steel.	Victoria Matres (Acerinox Europa S.A.U., Palmones-Los Barrios, Spain) / Ana Notario (Acerinox Europa, Palmones-Los Barrios, Spain)	101577
WP6-8.3	Investigation of corrosion for aluminum fin-tube heat exchanger according to the corrosion potential and solution conductivity using a boundary element method	Yong-Sang Kim (Sungkyunkwan University, Suwon, Korea, South) / Jung-Gu Kim (Sungkyunkwan University, Suwon, Korea, South)	101771
WP6-8.4	Effect of water content on corrosion of mild steel in DESs in conditions of natural aeration	Yelyzaveta Rublova (Ukrainian State University of Chemical Technology, Dnipro, Ukraine) / Anna Kityk (Ukrainian State University of Chemical Technology, Dnipro, Ukraine) / Natalia Bannyk (Ukrainian State University of Chemical Technology, Dnipro, Ukraine) / Valerii Malyshev (Institute of Physical Chemistry PAS, Warsaw, Poland) / Anna Kelm (Institute of Physical Chemistry PAS, Warsaw, Poland)	104132
WP6-8.5	Dependence of pitting of duplex stainless steels on potential and temperature	Yongsun Yi (Khalifa University, Abu Dhabi, United Arab Emirates) / Pyungyeon Cho (Khalifa University, Abu Dhabi, United Arab Emirates) / Sara Al Saadi (Federal Authority for Nuclear Regulation, Abu Dhabi, United Arab Emirates) / Changheui Jang (Korea Advanced Institute of Science & Technology , Daejeon, Korea, South)	104407
WP6-8.6	Study of corrosion inhibitors on AZ91D magnesium alloy	Yan li (Northeastern University , Shenyang, China PR) / Xiaopeng Lu (Northeastern University, Liaoning, China PR) / Tao Zhang (Northeastern University, Shenyang, China PR) / Fuhui Wang (Northeastern University, Shenyang, China PR)	105322

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WP6-8.7	On the mechanism of the corrosion of Al2Cu intermetallic phase in the acidic solution	Przemyslaw Kwolek (Rzeszow University of Technology, Faculty of Mechanical Engineering and Aeronautics, Department of Materials Science, Rzeszow, Poland) / Andrzej Gradzik (Rzeszow University of Technology, Faculty of Mechanical Engineering and Aeronautics, Department of Materials Science, Rzeszow, Poland) / Dariusz Szeliga (Rzeszow University of Technology, Faculty of Mechanical Engineering and Aeronautics, Department of Materials Science, Rzeszow, Poland)	106687
WP6-8.8	Influence of the driving force of diffusion and kinetic demixing processes on the oxidation kinetics of Ni,Cr alloys and CaO or CeO2 coated nickel.	Nacer Halem (University, TIZI OUZOU, Algeria) / ZOHRA HALEM (University, BOUIRA, Algeria) / LUKASZ CIENIEK (University, KRAKOW, Poland) / JEAN KUSINSKI (University, KRAKOW, Poland) / GEORGETTE PETOT-ERVAS (University, PARIS, France)	107292
WP6-8.9	Effects of Na2MoO4 in chemical passivation surface treatment on the passive films of low nickel duplex stainless steel	Jongbeom Choi (Korea Maritime and Ocean University, Busan, Korea, South) / Jeonghyeon Yang (Gyeongsang National University, Tongyeong, Korea, South) / Jun Kang (Korea Maritime and Ocean University, Busan, Korea, South) / Myeonghoon Lee (Korea Maritime and Ocean University, Busan, Korea, South) / Yongsup Yun (Korea Maritime and Ocean University, Busan, Korea, South) / kyunghwang lee (Research Institute of Industrial Science & Technology, Materials Solution Research Group, pohang, Korea, South)	107557
WP6-8.10	CFD simulation of CO2 corrosion under flow conditions in an elbow	Jukai Chen (State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiaotong University, Xi'an, China PR) / Xiaodan Wang (State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiaotong University, Xi'an, China PR) / Yueshe Wang (State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiaotong University, Xi'an, China PR)	107742
WP6-8.11	Inverse Methods in Corrosion of Rebars in Concrete	Robert Filipek (AGH-University of Science and Technology, Faculty of Materials Science and Ceramics, Krakow, Poland) / Krzysztof Szyszkiewicz-Warzecha (AGH-University of Science and Technology, Faculty of Materials Science and Ceramics, Kraków, Poland)	108872

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WP6-8.12	Exploring lithium conversion layer formation on AA2024-T3 by TEM-EELS/EDS	Ali Kosari (Department of Materials Science and Engineering, Delft University of Technology, Delft, Netherlands) / Peter Visser (Research Development and Innovation, AkzoNobel, Sassenheim, Netherlands) / Peyman Taheri (Department of Materials Science and Engineering, Delft University of Technology, Delft, Netherlands) / Henny Zandbergen (Kavli Institute of Nanoscience, Delft University of Technology, Delft, Netherlands) / Frans Tichelaar (Kavli Institute of Nanoscience, Delft University of Technology, Delft, Netherlands) / Herman Terryn (Department of Materials and Chemistry, Research Group Electrochemical and Surface Engineering (SURF), Vrije Universiteit Brussel, Brussels, Netherlands) / Arjan Mol (Department of Materials Science and Engineering, Delft University of Technology, Delft, Netherlands)	109512
WP6-8.13	Study of cupric ion effect in Nickel-Chromium multilayer systems corrosion by localised techniques	Eva Garcia-Lecina (CIDETEC , San Sebastián, Spain) / Larraitz Ganborena (CIDETEC , San Sebastián, Spain) / Jesús Manuel Vega (CIDETEC, San Sebastián, Spain) / Hans-Jürgen Grande (CIDETEC , San Sebastián, Spain)	109712
WP6-8.14	Corrosion study in artificial saliva of dental alloys based on cobalt and chromium, using electrochemical stationary methods and EIS	Patrice Berthod (University of Lorraine / Faculty of Sciences and Technologies / Institut Jean Lamour, Vandoeuvre-lès Nancy, France) / Xin Li (University of Lorraine / Faculty of Sciences and Technologies, Vandoeuvre-lès-Nancy, France) / Estelle Kretz	109942
	Agar-based gels as an electrolyte for corrosion diagnostics	Andreas Heyn (Otto-von-Guericke-Universität Magdeburg, Magdeburg)	109987
WP6-8.16	Proposal of a model based on Tafel-Piontelli laws for the calculation of corrosion rate of metals in acidic condition	Andrea Brenna (Politecnico di Milano, Dipartimento di Chimica, Materiali e Ingegneria Chimica "Giulio Natta", Milano, Italy) / Fabio Bolzoni (Politecnico di Milano, Dipartimento di Chimica, Materiali e Ingegneria Chimica "Giulio Natta", Milano, Italy) / Cristina De Giovanni (Politecnico di Milano, Dipartimento di Chimica, Materiali e Ingegneria Chimica "Giulio Natta", Milano, Italy) / Marco Ormellese (Politecnico di Milano, Dipartimento di Chimica, Materiali e Ingegneria Chimica "Giulio Natta", Milano, Italy)	111282
WP6-8.17	Age-hardening behaviour, microstructure and corrosion resistance of the copper alloyed stainless steel 1.4542	Norman Kauss (Otto-von-Guericke Universität Magdeburg, Magdeburg) / Paul Rosemann (Bundesanstalt für Materialforschung und –prüfung (BAM), Berlin) / Thorsten Halle (Otto-von-Guericke Universität, Magdeburg)	111777

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WP6-8.18	Effect of cryogenic treatment on Corrosion behaviour of ultrafine-grained AA6012-T6 alloy processed by ECAP	Annamaria Viceré (Università Politecnica delle Marche, Ancona, Italy) / Tiziano Bellezze (Università Politecnica delle Marche, Ancona, Italy) / Chiara Paoletti (Università Politecnica delle Marche, Ancona, Italy) / Marcello Cabibbo (Università Politecnica delle Marche, Ancona, Italy) / Gabriella Roventi (Università Politecnica delle Marche, Ancona, Italy)	111837
WP6-8.19	Visualization of material-related susceptibility to pitting corrosion using the “KorroPad” indicator test	Paul Rosemann (Federal Institute for Materials Research and Testing, Berlin) / Norman Kauss (Institut für Werkstoff- und Fügetechnik, Otto-von-Guericke University, Magdeburg)	113312
WP6-8.20	Importance of keeping surfaces clean: root causes of early corrosion of copper tubing	Elena Mielgo (ITMA Materials Technology, Avilés, Spain) / Olga Conejero (ITMA Materials Technology, Avilés, Spain)	113937
WP6-8.21	Estimate metals leaching from stainless steel cookware into food using chemical and electrochemical processes	Abdel Hamid Zeinab (CMRDI, He, Egypt)	114137
WP6-8.22	KorroPad - A new test method for the investigation on the passive layer stablity on stainless steels	Thoralf Müller (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin) / Jens Lehmann (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin) / Andreas Burkert (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin)	114917
WP6-8.23	Modelling the Electrochemical Interface by DFT – the Case of Aqueous Copper Corrosion	Joakim Halldin Stenlid (Fysikum, Stockholm University, Stockholm, Sweden) / A Johannes Johansson (Swedish Nuclear Fuel and Waste Management Co (SKB), Solna, Sweden) / Lars GM Pettersson (Fysikum, Stockholm University, Stockholm, Sweden)	115972
WP6-8.24	Precipitation behavior and corrosion resistance of nickel-free, high-nitrogen austenitic stainless steels	Paul Rosemann (Federal Institute for Materials Research and Testing, Berlin)	116137
WP6-8.25	On the effect of detwinning on corrosion behavior of NiTi shape memory alloy	Mahdi Mohajeri (Department of Materials Science and Engineering, Texas A&M University, College Station, United States of America) / Behrouz Haghgouyan (Department of Materials Science and Engineering, Texas A&M University, College Station, United States of America) / Homero Castaneda (Department of Materials Science and Engineering, Texas A&M University, College Station, United States of America) / Dimitris C. Lagoudas (Department of Aerospace Engineering, Texas A&M University, College Station, United States of America)	116567

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WP6-8.26	Comparison of the corrosion resistance of AA2024 and AA2098 alloys in different solutions	Mariana Xavier Milagre (Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil) / João Victor Araujo (Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil) / Caruline de Souza Carvalho Machado (Intituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil) / Uyime Donatus (Intituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil) / Vishnu Mogili (Laboratorio Nacional de Nanotecnologia, Campinas, Brazil) / isolda Costa (Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil) / Maurilio Pereira Gomes (Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil)	116592
WP6-8.27	An experimental investigation on corrosion behavior of NiTi shape memory alloy under uniaxial tension	Mahdi Mohajer (Department of Materials Science and Engineering, Texas A&M University, College Station, United States of America) / Behrouz Haghgouyan (Department of Materials Science and Engineering, Texas A&M University, College Station, United States of America) / Homero Castaneda (Department of Materials Science and Engineering, Texas A&M University, College Station, United States of America) / Dimitris C. Lagoudas (Department of Aerospace Engineering, Texas A&M University, College Station, United States of America)	116627
WP6-8.28	Corrosion behavior of friction stir welded 2198-T8 aluminum-copper-lithium alloy	Caruline de Souza Carvalho Machado (IPEN, São Paulo, Brazil) / Mariana Xavier Milagre (IPEN, São Paulo, Brazil) / Rafael Emil Klumpp (IPEN, São Paulo, Brazil) / João Victor Araujo (IPEN, São Paulo, Brazil) / Vishnu Mogili (LnNANO, Campinas, Brazil) / Rafael A.R. GIORJAO (LnNANO, Campinas, Brazil) / Isolda Costa (IPEN, São Paulo, Brazil) / Uyme Donatus (IPEN, São Paulo, Brazil) / Victor Ferrinho Pereira (LNNano/CNPEM, Campinas, Brazil)	116767
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WP10.8	Corrosion behavior of different copper alloys in the food industry in presence of Pseudomonas fluorescens	Giorgia Ghiara (Università di Genova, genova, Italy) / Roberto Spotorno (Università di Genova, Genova, Italy) / Pierangela Cristiani (RSE SpA - CNR, Institute of Biomolecular Chemistry, Milano, Italy)	109552
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WP11.3	A new method to assess the corrosion rate of reinforced concrete structure	Gabriel Samson (LMDC, Université de Toulouse, INSA, UPS, Toulouse, France) / Fabrice Deby (LMDC, Université de Toulouse, INSA, UPS, Toulouse, France) / Jean-Luc Garciaz (LERM SETEC, Arles, France) / Jean-Louis Perrin (LERM SETEC, Arles, France)	107117
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WP11.9	Effects of Oxygen Partial Pressure on Corrosion Behavior of P110 Steel in Nitrogen injection Wellbore	Yuanhua Lin (Southwest Petroleum University, Chengdu, China PR) / Zhi Ming Yu (Southwest Petroleum University, Chengdu, China PR) / Dezhi Zeng (Southwest Petroleum University, Chengdu, China PR)	118787
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WP13.7	Enabling remote corrosion detection on Oil and Gas installations with the stand-alone Field Kelvin Probe (FKP)	Eugen Florin Turcu (Christian Michelsen Research, Bergen, Norway) / Bård Henriksen (Christian Michelsen Research, Bergen, Norway) / Inge Klepsvik (Christian Michelsen Research, Bergen, Norway) / Gaute Øverås Lied (Christian Michelsen Research, Bergen, Norway)	111617
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WP13.3	Effect of extremely aggressive environment on the nature of passive film of HP-13Cr stainless steel	Xuanpeng Li (Harbin Engineering University, Harbin, China PR) / Tao Zhang (Harbin Engineering University, Harbin, China PR) / Fuhui Wang (Northeastern University, Shenyang, China PR)	106332
WP13.2	Role of inclusions in localized corrosion initiation of X70 steel in near-neutral pH environment	Liwei Wang (Qingdao University, Qingdao, China PR)	104682

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WP14.IC.3	High Frequency Pulse Anodising of Die Cast Aluminium Alloys	Flemming Jensen (Technical University of Denmark, Kgs. Lyngby, Denmark) / Visweswara Gudla (Technical University of Denmark, Kgs. Lyngby, Denmark) / Rajan Ambat (Technical University of Denmark, Kgs. Lyngby, Denmark) / Ib Kongstad (Bang & Olufsen A/S, Struer, Denmark)	110147

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WP14.IC.4	Determination of processing parameters suitable for "soft sparking" during plasma electrolytic oxidation of aluminium	Maciej Sowa (Silesian University of Technology, Gliwice, Poland) / Kamil Boroń (Silesian University of Technology, Gliwice, Poland) / Artur Maciej (Silesian University of Technology, Gliwice, Poland) / Alicja Kazek-Kęsik (Silesian University of Technology, Gliwice, Poland) / Wojciech Simka (Silesian University of Technology, Gliwice, Poland)	110837
WP14.IC.5	Investigation of DLC coated steel surfaces corrosion resistance: an electrochemical imaging approach	Thibault MAERTEN (OERLIKON Balzers, LIMOGES, France) / Roland OLTRA (ICB, UMR CNRS 6303, Université Bourgogne Franche Comté, Dijon, France) / Cédric JAOUL (IRCER, UMR CNRS 7315, Université de Limoges, Limoges, France) / Christophe LE NINIVEN (IRCER, UMR CNRS 7315, Université de Limoges, Limoges, France) / Pascal TRISTANT (IRCER, UMR CNRS 7315, Université de Limoges, Limoges, France) / Frédéric MEUNIER (OERLIKON Balzers, Limoges, France) / Olivier JARRY (OERLIKON Balzers, Balzers, Liechtenstein)	111647
WP14.IC.6	Effect of Cu-content on microstructure and corrosion behavior of PEO coating on Al–xCu alloys	Liye Zhu (Harbin Engineering University, Harbin , China PR) / Tao Zhang (Harbin Engineering University, Harbin, China PR) / Wei Zhang (Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China PR) / Fuhui Wang (Northeastern University, Shenyang, China PR)	113842
WP14.IC.7	Preparation and characterization of hydroxides-based composite film on magnesium alloys by steam coating	Takahiro Ishizaki (Shibaura Institute of Technology, Tokyo, Japan) / Yuta Shimada (Shibaura Institute of Technology, Tokyo, Japan) / Tomohiro Miyashita (Shibaura Institute of Technology, Tokyo, Japan) / Ai Serizawa (Shibaura Institute of Technology, Tokyo, Japan)	114327
WP14.IC.8	Preparation of Anticorrosive Film for Inhibiting Pitting Corrosion on Aluminum Alloy by Steam Coating	Ai Serizawa (Shibaura Institute of Technology, Tokyo, Japan) / Kohei Watanabe (Shibaura Institute of Technology, Tokyo, Japan) / Takahiro Ishizaki (Shibaura Institute of Technology, Tokyo, Japan)	115667
WP14.IC.9	Coatings obtained on titanium by Plasma Electrochemical Oxidation	Krzysztof Rokosz (Koszalin University of Technology, Koszalin, Poland) / Tadeusz Hryniewicz (Koszalin University of Technology, Koszalin , Poland) / Steinar Raaen (Norwegian University of Science and Technology (NTNU), Trondheim , Norway) / Sofia Gaiaschi (HORIBA Jobin Yvon S.A.S., Palaiseau, France) / Patrick Chapon (HORIBA Jobin Yvon S.A.S., Palaiseau, France) / Winfried Malorny (4Hochschule Wismar-University of Applied Sciences Technology, Wismar) / Lukasz Dudek (Koszalin University of Technology, Koszalin, Poland) / Kornel Pietrzak (Koszalin University of Technology, Koszalin, Poland) / João Carlos Salvador Fernandes (Instituto Superior Técnico University of Lisbon, Lisbon, Portugal)	117842

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WP14.IC.10	The influence of fiber laser radiation on the corrosion resistance of 7075 aluminium alloy	Katarzyna Lecka (Wroclaw University of Science and Technology, Wroclaw, Poland) / Arkadiusz Antonczak (Wroclaw University of Science and Technology, Wroclaw, Poland)	118672
WP14.IC.12	Corrosion resistance of stainless steel covered by phosphomolybdate ion encapsulated in silica	LIDIA ADAMCZYK (Częstochowa Technical of University, Częstochowa, Poland)	120122
WP14.IC.13	Characterization of plasma electrolytic oxidation influence on corrosion behaviour of AZ31 magnesium alloy in various chloride containing environments	Daniel Kajánek (University of Zilina, Zilina, Slovakia) / Filip Pastorek (Research Centre, University of Zilina, Zilina, Slovakia) / Branislav Hadzima (Research Centre, University of Zilina, Zilina, Slovakia)	120792
WP14.IC.14	Microstructure and corrosion behaviors of Hf/HfN multilayer coatings on magnesium alloys	Zhoucheng Wang (Xiamen University, Xiamen, China PR)	120972
Metallic Coatings			
	Advanced coating strategies to face industrial challenges of zinc coatings	Sudesh Wijesinghe (Singapore Institute of Manufacturing Technology (SIMTech), Singapore, Singapore) / Wenjin Yan (Singapore Institute of Manufacturing Technology (SIMTech), Singapore, Singapore) / Linda Y L Wu (Singapore Institute of Manufacturing Technology (SIMTech), Singapore, Singapore) / Yong Teck Tan (Singapore Institute of Manufacturing Technology (SIMTech), Singapore, Singapore) / Qian Min (Singapore Institute of Manufacturing Technology (SIMTech), Singapore, Singapore) / Chan Wai Koh (Singapore Institute of Manufacturing Technology (SIMTech), Singapore , Singapore)	101966
WP.14.MC.1	Study on application of Zn-Mg-Al coated steel sheet for logistic pallet	Jae-Won Lee (Pohang institute of metal industry advencement, KS010, Korea, South) / Kyung Seh Lee (Pohang Institute of metal Industry advancement, KS010, Korea, South) / Sungyoul Choi (2Samjung industries company, KS010, Korea, South)	103492
WP.14.MC.2	Ultrasound assisted electroless deposition of nickel-boron coatings: Effect of ultrasonic frequency on the tribocorrosion behavior	Véronique Vitry (UMONS, MONS, Belgium) / Luiza Bonin (UMONS, MONS, Belgium)	107647

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WP.14.MC.3	The effect of Mg concentration on the microstructure and corrosion resistance of ZnxMg1-x alloy coatings	KYOUNG PIL KO (POSCO, Gwangyang-si, Korea, South) / Kyung-Hoon Nam (POSCO Technical Research Laboratory, Gwangyang-si, Korea, South) / Yong-Hwa Jung (POSCO Technical Research Laboratory , Gwangyang-si, Korea, South) / Dong-Yeoul Lee (POSCO Technical Research Laboratory , Gwangyang-si, Korea, South) / Moon-Jong Eum (POSCO Technical Research Laboratory , Gwangyang-si, Korea, South) / Young-Jin Kwak (POSCO Technical Research Laboratory , Gwangyang-si, Korea, South) / Seok-Joon Hong (POSCO Technical Research Laboratory , Gwangyang-si, Korea, South) / Tae-Yeob Kim (POSCO Technical Research Laboratory , Gwangyang-si, Korea, South)	108207
WP.14.MC.4	Corrosion resistance of Zn-Ni-Al2O3 nanocomposite coatings	Gabriella Roventi (Università Politecnica delle Marche, Ancona, Italy) / Giampaolo Giuliani (Università Politecnica delle Marche, Ancona, Italy) / Annamaria Viceré (Università Politecnica delle Marche, Ancona, Italy) / Tiziano Bellezze (Università Politecnica delle Marche, Ancona, Italy)	109102
WP.14.MC.5	Comparison of carbide and alloy based HVOF sprayed coatings using salt spray testing	Jan Schubert (Vyzkumny a zkusebni ustav Plzen s.r.o., Pilsen, Czech Republic) / Zdenek Cesanek (Vyzkumny a zkusebni ustav Plzen s.r.o., Plzen, Czech Republic) / Kateřina Kopelentová (Vyzkumny a zkusebni ustav Plzen s.r.o., Plzen, Czech Republic)	109882
WP.14.MC.6	Numerical Modelling and Impact of Cu addition on Microstructure and Surface Characteristics of Laser Deposited Ti-6Al-4V Alloy.	OLAWALE FATOBA (UNIVERSITY OF JOHANNESBURG, JOHANNESBURG, South Africa) / MAMOOKHO MAKHATHA (UNIVERSITY OF JOHANNESBURG, JOHANNESBURG, South Africa) / ESTHER AKINLABI (UNIVERSITY OF JOHANNESBURG, JOHANNESBURG, South Africa)	111497
WP.14.MC.7	INFLUENCE OF THE SYNTHESIS PARAMETERS VARIATION ON THE HYDROPHOBICITY PROPERTIES OF CuO COATINGS	Jennifer Johanna González Motta (Industrial University of Santander, Floridablanca , Colombia) / Maria Carolina Florez Ariza (Industrial University of Santander, Bucaramanga, Colombia) / Sergio Ismael Blanco Vásquez (Industrial University of Santander, Bucaramanga, Colombia)	113487
WP.14.MC.8	The effect of cut edges on HDG coating quality	Hana Geiplova (SVÚOM Ltd., Prague, Czech Republic) / Antonin Schwarzer (Signum Ltd., Hustopece, Czech Republic) / Zdenek Bartak (SVÚOM Ltd., Prague, Czech Republic)	113707
WP.14.MC.9	Properties of HDG coatings	Zdenek Bartak (SVÚOM Ltd., Prague, Czech Republic) / Katerina Kreislova (SVÚOM Ltd., Prague, Czech Republic) / Antonin Schwarzer (Signum Ltd., Hustopece, Czech Republic)	113752

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WP.14.MC.10	Design of experiment of microsized and nanostructured HVOF WC-12Co coating HVOF for Erosion Performance	Bander Aldaajani (Dublin City University, Dublin, Ireland) / Sultan AlMutairi (Saudi Aramco, Dhahran, Saudi Arabia) / Khaled Benyounis (DCU, Dublin, Ireland) / Joseph Stoles (DCU, Dublin, Ireland) / Ahmed Alhamed (DCU, Dublin, Ireland)	115782
WP.14.MC.11	Electrodeposition of Ni/cerium molybdate composite coatings from deep eutectic solvent	Juliusz Winiarski (Wroclaw University of Science and Technology, Wroclaw, Poland) / Beata Cieślikowska (Wroclaw University of Science and Technology, Wrocław, Poland) / Anna Mazur (Wroclaw University of Science and Technology, Wrocław, Poland) / Bogdan Szczygieł (Wroclaw University of Science and Technology, Wrocław, Poland)	117632
WP.14.MC.12	Corrosion Resistance of Cold Sprayed Nickel Coatings in Acidic Chloride Solution	Mieczyslaw Scendo (Jan Kochanowski University in Kielce, Kielce, Poland) / Wojciech Zorawski (University of Technology in Kielce, Kielce, Poland) / Katarzyna Staszewska-Samson (Jan Kochanowski University in Kielce, Kielce, Poland) / Klaudia Szczerba (Jan Kochanowski University in Kielce, Kielce, Poland)	117702
WP.14.MC.13	Effect of magnetron sputtering of active powder with MnCrFeNiCo layers on electrochemical parameters of metal hydride electrode	AGNIESZKA STEFANIAK (Czestochowa University of Technology, Czestochowa Czestochowa, Poland) / Henryk Bala (Czestochowa University of Technology, Czestochowa, Poland)	118417
WP.14.MC.14	Preparation of thin Ni coatings on active hydride powder material using magnetron sputtering technique	Klaudia Bordolinska (Czestochowa University of Technology, Czestochowa, Poland) / Henryk Bala (Czestochowa University of Technology, Czestochowa, Poland)	118587
WP.14.MC.15	Interdiffusion Coatings for High-Temperature-Corrosion Protection of Low-Alloy Steels	Kamil Balinski (University of Applied Sciences Osnabrück, Osnabrück) / Katrin Jahns (University of Applied Sciences Osnabrück, Osnabrück) / Manuel Schroth (University of Applied Sciences Osnabrück, Osnabrück) / Sue Impey (Cranfield University, Cranfield, United Kingdom) / Christine Chalk (Cranfield University, Cranfield, United Kingdom) / Jürgen Wübbelmann (University of Applied Sciences Osnabrück, Osnabrück) / John Nicholls (Cranfield University, Cranfield, United Kingdom) / Ulrich Krupp (University of Applied Sciences Osnabrück, Osnabrück)	119262
WP.14.MC.16	Effects of Dilution Rate and Parameter Sensitivity on the Microstructure and Mechanical Properties of Laser Cladded Ti-Cu-Al Coatings on Ti-6Al-4V Alloy.	OLAWALE FATOBA (UNIVERSITY OF JOHANNESBURG, JOHANNESBURG, South Africa) / STEPHEN AKINLABI (UNIVERSITY OF JOHANNESBURG, JOHANNESBURG, South Africa) / ESTHER AKINLABI (UNIVERSITY OF JOHANNESBURG, JOHANNESBURG, South Africa)	120047

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WP.14.MC.17	Surface analysis of Inconel CMT coatings after the corrosion in the renewable fuel ash environments	Aleksandra Dębowska (AGH University of Science and Technology, Cracow, Poland) / Agnieszka Kopia (AGH University of Science and Technology, Cracow, Poland) / Aneta Magdziarz (AGH University of Science and Technology, Cracow, Poland)	120637
WP.14.MC.18	Microstructure and performance of external protection coating on ductile iron pipes	Anna Wassilkowska (Cracow University of Technology, Kraków, Poland) / Agnieszka Kochmańska (West Pomeranian University of Technology Szczecin, Szczecin, Poland)	120700
WP.14.MC.19	A comparative study on the corrosion behaviors of metallic coatings deposited on AZ91D magnesium alloys	Zhoucheng Wang (College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, China PR)	120982
Organic Coatings			
WP.14.OC.2	The graphene oxide–poly(urea–formaldehyde) composites used in corrosion protection on mild steel	Hongpeng ZHENG (Harbin Engineering University, Harbin Harbin, China PR) / Yawei SHAO (Harbin Engineering University, Harbin, China PR)	102076
WP.14.OC.3	Failure process of modified iron oxide/epoxy coating under alternate wetting and drying condition	guirong wang (Harbin Engineering University, Harbin, China PR) / yawei shao (Harbin Engineering University, Harbin , China PR)	103112
WP.14.OC.5	MATChING project: Coatings development for corrosion protection in low-T geothermal power plants	Lorena Freire Pineiro (AIMEN Technology Center, O Porrino, Spain) / Alberto Fernández (AIMEN Technology Center, O Porrino, Spain) / Ricardo Losada (Danish	108067
WP.14.OC.6	EVALUATING THE INFLUENCE OF SURFACE PREPARATION ON THE PERFORMANCE OF EPOXY PRIMERS SYSTEM PIGMENTED WITH ZINC PHOSPHATE	Idalba Souza dos Santos (Brazilian Navy, Niterói, Brazil) / Ladimir José de Carvalho (Federal University of Rio de Janeiro, EQ/DPI, Rio de Janeiro, Brazil) / Simone Louise Delarue Cezar Brasil (Federal University of Rio de Janeiro, EQ/DPI, Rio de Janeiro, Brazil)	116872
WP.14.OC.7	Influence of humidity on the electrochemical evaluation method of organic coating containing glass flakes in real environment	Daisuke Ito (Yokohama National University, Yokohama, Japan) / Kouichi Sekino (Kanagawa Institute of Industrial Science and Technology, Ebina, Japan) / Shinji Okazaki (Yokohama National University, Yokohama, Japan) / Kazuyoshi Sekine (High Pressure Institute of Japan, Tokyo, Japan) / Masaru Ishihara (Japan Oil, Gas and Metals National Corporation, Tokyo, Japan)	118892
WP.14.OC.8	Anticorrosive polyurethane coatings for renovation of the widebody aircrafts shell.	Barbara Pilch-Pitera (Rzeszow University of Technology, Rzeszow, Poland) / Dominika Czachor (Rzeszow University of Technology, Rzeszow, Poland) / Łukasz Byczyński (Rzeszow University of Technology, Rzeszow, Poland) / Joanna Wojturska (Rzeszow University of Technology, Rzeszow, Poland) / Robert Ostatek (Rzeszow University of Technology, Rzeszow, Poland)	119427

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WP.14.OC.9	Pinholes on coating applied over TSZ	Lukasz Augustynski (Rosa , Warszawa, Poland) / Krzysztof Szymanski (Politechnika Śląska, Katowice, Poland)	119682
WP.14.OC.10	Biocompatibility of Electrochemically Reduced Graphene Oxide on biomedical grade CoCr alloy. In vivo response of graphene	Maria Lorenza Escudero (CENIM-CSIC, Madrid, Spain) / Irene Llorente (CENIM-CSIC, Madrid, Spain) / Blanca Teresa Perez-Maceda (CIB-CSIC, Madrid, Spain) / Sara San José Pinilla (CIB-CSIC, Madrid, Spain) / Rosa Maria Lozano (CIB-CSIC, Madrid, Spain) / Soledad Aguado Henche (University of Alcala de Henares, Madrid, Spain) / Celia Clemente de Arriba (University of Alcala de Henares, Madrid, Spain) / Miguel Angel Alobera (University of León, León, Spain) / Maria Cristina Garcia-Alonso (CENIM-CSIC, Madrid, Spain)	120992
WP.14.OC.11	The influence of the concentration and shape, size and surface modification of Zn pigments on the corrosion behaviour of coatings	Ewa Langer (Institute for Engineering of Polymer Materials and Dyes, Paint and Plastics department, Gliwice, Poland) / Małgorzata Zubielewicz (Institute for Engineering of Polymer Materials and Dyes, Paint and Plastics department , Gliwice, Poland) / Helena Kuczyńska (Institute for Engineering of Polymer Materials and Dyes, Paint and Plastics department , Gliwice, Poland) / Agnieszka Królikowska (Road and Bridge Research Institute, Warsaw, Poland) / Leszek Komorowski (Road and Bridge Research Institute , Warsaw, Poland)	121740
Pretreatments			
WP.14.PT.1	Characteristics of TBOT-MAPTS organic-inorganic hybrid coatings on stainless steel	Wan Young Maeng (Korea Atomic Energy Research Institute, Daejeon, Korea, South) / Dong Jin Kim (Korea Atomic Energy Research Institute, Daejeon, Korea, South)	103692
WP.14.PT.2	Effect of pre-treatment on corrosion resistance of phosphate conversion coating on Mg alloy	Yuyang Chen (Harbin Engineering University, Harbin, China PR) / Tao Zhang (Northeastern University, Shenyang, China PR) / Fuhui Wang (Northeastern University, Shenyang, China PR)	103742
WP.14.PT.3	Effect of mechanical surface pre-treatment on the microstructure and corrosion resistance of the phosphate conversion coating of AZ91D magnesium alloy	Chunyan Zhang (Harbin Engineering University, Harbin, China PR) / Tao Zhang (Harbin Engineering University, Harbin, China PR) / Baoxing Yu (Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China PR) / Fuhui Wang (Northeastern University, Shenyang, China PR)	106202

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WP.14.PT.4	Influence of an aging time and the stabilization process of the organic-inorganic sol-gel coating on corrosion mitigation	Jolanta Gąsiorek (Department of Mechanics, Materials Science and Engineering, Wroclaw University of Science and Technology, Smoluchowskiego 25, 50-370 Wrocław, Wroclaw, Poland) / Justyna Krzak (Department of Mechanics, Materials Science and Engineering, Wroclaw University of Science and Technology, Smoluchowskiego 25, 50-370 Wrocław, Wroclaw, Poland) / Jerzy Kaleta (Department of Mechanics, Materials Science and Engineering, Wroclaw University of Science and Technology, Smoluchowskiego 25, 50-370 Wrocław, Wroclaw, Poland)	107627
WP.14.PT.5	Investigation of zirconium based conversion coatings applied on aluminium alloy ENAC-AlSi7Mg0.3	Gavrilo Šekularac (Institute Jožef Stefan, Ljubljana, Slovenia) / Ingrid Milošev (Institute Jožef Stefan, Ljubljana, Slovenia)	110112
Self-healing and smart Coatings			
WP.14.SH.1	The self-healing effect of hybrid sol-gel coatings based on CeO2 nanoparticles modified with Ce3+ ions applied on AA7075-T6	Urša Tiringer (Institut Jožef Stefan, Ljubljana, Slovenia) / Gavrilo Šekularac (Institut Jožef Stefan, Ljubljana, Slovenia) / Janez Kovač (Institut Jožef Stefan, Ljubljana, Slovenia) / Ingrid Milošev (Institut Jožef Stefan, Ljubljana, Slovenia)	109962
Corrosion in Refinery and Petrochemistry (WP15)			
WP15.3	Sulphidic corrosion study of AISI-SAE 1020 steel exposed to Dimethyl Sulfide in a simulated environment	Dionisio Antonio Laverde Cataño (Corrosion Investigation Group, Universidad Industrial de Santander, Bucaramanga, Colombia) / Javier Alberto Sanabria Cala (Corrosion Investigation Group, Universidad Industrial de Santander, Bucaramanga, Colombia) / Gerson Rafael Conde Rodríguez (Corrosion Investigation Group, Universidad Industrial de Santander, Bucaramanga, Colombia) / Dario Yesid Peña Ballesteros (Corrosion Investigation Group, Universidad Industrial de Santander, Bucaramanga, Colombia)	119410

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Cathodic Protection (WP16)			
WP16.3	Galvanic Corrosion Behavior of Bolt and Nut Combinations	Shiyan Zhang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Xiaokui Yang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Wanjun Yang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Xiaoqin Wei (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Bingfei Hu (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Wei Liu (China South Industries Group Co., LTD., Beijing, China PR)	122135
WP16.1	Preparation of anatase-TiO2 thin films by micro-mixing process for visible light-induced photo-generated cathodic protection	ZUDE FENG (College of Materials, Xiamen University, Xiamen, China PR) / Chao Xu (College of Materials, Xiamen University, Xiamen, China PR)	101907
WP16.2	Effectiveness of different coatings on cathodic protection engineering for gas pipelines	Saeed Ahmadizadeh (National Iranian Gas Co. (NIGC), Rasht, Iran)	104862
Automotive Corrosion (WP17)			
WP17.4	Impact of surface coating on the corrosion resistance of the brazed condensor	Christian CASENAVE (VALEO Thermal System, La Verrière, France) / Maryse PHILIPPE (VALEO Thermal System, La Verrière, France) / Anne-Gaëlle Villemiane (VALEO Thermal System, La Verrière, France)	120132
WP17.1	In situ investigation of corrosion process of press hardened steel coated with hot-dip Al-Si and electroplated Zn-Ni using synchrotron diffraction	Camila Pucci Couto (IPEN - Nuclear and Energy Research Institute, SAO PAULO SAO PAULO, Brazil) / Isolda Costa (IPEN - Nuclear and Energy Research Institute , Sao Paulo, Brazil) / Luis Martinez (IPEN - Nuclear and Energy Research Institute, Sao Paulo, Brazil) / Geraldo Carezzato (IPEN -Nuclear and Energy Research Institute, Sao Paulo, Brazil) / Marco Colosio (GM - General Motors Mercosul, São Caetano do Sul, Brazil) / Xabier Turrilas (ICMAB/CSIC - Institute of Materials Science of Barcelona, Barcelona, Spain) / Zehbour Panossian (IPT – Institute for Technological Research, Sao Paulo, Brazil) / Jesualdo Rossi (IPEN - Nuclear and Energy Research Institute, Sao Paulo, Brazil) / Maurilio Gomes (IPEN - Nuclear and Energy Research Institute , São Paulo, Brazil)	102242

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WP17.2	Generalized interpretation of Hydrogen signal measured by Thermal Desorption Spectroscopy through newly-devised O2-purge/Ar-carrier gas chromatograph apparatus.	Yasuhide Ishiguro (JFE Steel Corporation, Handa, Japan) / Shinji Ootsuka (JFE Steel Corporation, Kawasaki, Japan)	106962
WP17.3	Corrosion resistance investigation of press-hardened steel 22MnB5 with electrodeposited Zn-Ni coating	Jesualdo Luiz Rossi (Instituto de Pesquisas Energéticas e Nucleares, São Paulo, Brazil) / Priscilla Danielle de Oliveira Lopes Costa (IPEN, São Paulo, Brazil) / Camila Pucci Couto (IPEN, São Paulo, Brazil) / Isolda Costa (IPEN, São Paulo, Brazil)	114757
Tribo-Corrosion (WP18)			
WP18.1	Tribocorrosion performance of Zn, Zn-Ni and Zn-Ni with magnesium electrodeposited on medium carbon steel in a chloride environment	Marcin Kowalski (Warsaw University of Technology, Faculty of Civil Engineering, Mechanics and Petrochemistry, Lukasiewicza 17, 09-400 Plock, Poland) / Arkadiusz Stachowiak (Poznan University of Technology, Institute of Machines and Motor Vehicles,, Piotrowo Street 3, 60-965 Poznan, Poland)	103227
WP18.2	Fretting and fretting-corrosion processes of Ti6Al4V alloys in simulated oral cavity environment	Marcin Klekotka (Bialystok University of Technology, Białystok, Poland) / Jan Ryszard Dąbrowski (Bialystok University of Technology, Białystok, Poland)	105992
WP18.4	Influence of Temperature on the Corrosion Behaviour of Stainless Steels under Tribological Stress	Matthias Sorg (Institute for Materials System Technology Thurgau, WITg, Tägerwilen, Switzerland) / Arnulf Hoertnagl (Institute for Materials System Technology Thurgau, WITg, Tägerwilen, Switzerland) / Paul Gümpel (Institute for Materials System Technology Thurgau, WITg, Tägerwilen, Switzerland) / Philipp Schuler (Institute for Materials System Technology Thurgau, WITg, Tägerwilen, Switzerland)	111107
WP18.5	Investigating the effect Nevamine-CP20 inhibitor on the electrochemical properties of lean duplex stainless steel under dynamic conditions	Ihsan Ul Haq Toor (KFUPM, Dhahran, Saudi Arabia) / Farid Abdallah (KFUPM, Dhahran, Saudi Arabia)	121332
Corrosion of Polymer and Advanced Materials (WP19)			
WP19.1	Investigations on the degree of damage of polyethylene grades of heating oil storage tanks after a service life of more than 30 years	Margit Weltschev (BAM, Berlin) / Gabi Hoffmann (BAM, Berlin) / Anka Kohl (BAM, Berlin)	121840

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Corrosion and Corrosion Protection of Drinking Water Systems (WP20)			
WP20.1	Characterization of corrosion deposits in water supply pipes using scanning electron microscopy	Anna Wassilkowska (Cracow University of Technology (CUT), Kraków, Poland) / Joanna Bak (Institute of Water Supply and Environmental Monitoring, CUT, Kraków, Poland) / Maciej Gruszka (MPWiK SA, Kraków, Poland)	120685
Corrosion of Archaeological and Historical Artefacts (WP21)			
WP21.1	Preparation of stable artificial copper patina	Pavol Rak (Univeristy of chemistry and technology Prague, Prague, Czech Republic) / Richard Bureš (University of chemistry and technology Prague, Prague, Czech Republic) / Jan Stoulil (University of chemistry and technology Prague, Prague, Czech Republic)	108492
WP21.2	Corrosion behaviour of different bronze after 15 years of atmospheric exposure	Zdenek Bartak (SVÚOM Ltd., Prague, Czech Republic) / Katerina Kreislova (SVÚOM Ltd., Prague, Czech Republic) / Pavlina Fialova (SVÚOM Ltd., Prague, Czech Republic) / Pavel Maresovsky (SVÚOM Ltd., Prague, Czech Republic)	113727
WP21.3	Protection of lead in acetic acid containing model depository environment by absorbents and destimulators	Sarka Msallamova (University of Chemistry and Tecnology Prague, Prague, Czech Republic) / Kateryna Popova (University of Chemistry and technology Prague, Prague, Czech Republic) / Milan Kouril (University of Chemistry and Technology prague, Prague, Czech Republic) / Kristyna Charlotte Strachotova (University of Chemistry and Technology Prague, Prague, Czech Republic) / Pavla Dvorakova (University of Chemistry and Technology, Prague, Prague, Czech Republic)	115227
WP21.4	Corrosion protection of metallic substrates of historical interest by lanthanum-silica sol-gel coatings	F.R. García-Galván (National Center for Metallurgical Research/CENIM-CSIC, Madrid, Spain) / J. Pena-Poza (Institute of History/IH-CSIC, Madrid, Spain) / F. Agua (Institute of History/IH-CSIC, Madrid, Spain) / M.A. Villegas (Institute of History/IH-CSIC, Madrid, Spain) / J.C. Galván (National Center for Metallurgical Research/CENIM-CSIC, Madrid, Spain) / M. García-Heras (Institute of History/IH-CSIC, Madrid, Spain)	103357

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Corrosion Control in Aerospace (WP22)			
WP22.1	Effect of graphene oxide on anticorrosion performance of polyelectrolyte multilayer for 2A12 aluminum alloy substrates	Zhao Xia (Institute of Oceanology, Chinese Academy of Science, Qingdao, China PR) / Baorong Hou (Institute of Oceanology, Chinese Acedemy of Science, Qingdao, China PR) / Hongling Li (Institute of Oceanology, Chinese Academy of Science, Qingdao, China PR)	103617
WP22.3	Sulfuric acid anodization of Al and AA2024 with barrier reanodization	Tobias Leidens (UFRGS, Porto Alegre, Brazil) / Luis F. P. Dick (UFRGS, Porto Alegre, Brazil) / Gerhard Knörnschild (UFRGS, Porto Alegre, Brazil)	109737
Atmospheric corrosion (TF)			
TF1.1	Stable artificial copper alloys patinas prepared from gaseous phase	Richard Bures (UCT Prague, Prague 6 – Dejvice, Czech Republic) / Jan Stoulil (UCT Prague, Prague, Czech Republic) / Pavol Rak (UCT Prague, Prague, Czech Republic)	102777
TF1.2	Slow strain rate testing of the effect of atomic hydrogen in advanced high strength steels under atmospheric corrosion conditions	Radovan Goliáš (University of Chemistry and Technology Prague, Prague, Czech Republic) / Darya Rudomilova (University of Chemistry and Technology Prague, Technopark Kralupy, Kralupy nad Vltavou, Czech Republic) / Tomáš Prošek (University of Chemistry and Technology Prague, Technopark Kralupy, Kralupy nad Vltavou, Czech Republic) / Andreas Muhr (voestalpine Stahl GmbH, Linz, Austria) / Gerald Luckeneder (voestalpine Stahl GmbH, Linz, Austria) / Hubert Duchaczek (voestalpine Stahl GmbH, Linz, Austria)	109572
TF1.3	Atmospheric corrosion of structure metals in indoor environments with low corrosivity	Katerina Kreislova (SVUOM Ltd., Prague, Czech Republic) / Hana Geiplova (SVUOM Ltd., Prague, Czech Republic)	113637
TF1.4	Field Kelvin Probe – aided condition evaluation and prediction for coated / uncoated metallic surfaces exposed to atmosphere	Eugen Florin Turcu (Christian Michelsen Research, Bergen, Norway) / Bård Henriksen (Christian Michelsen Research, Bergen, Norway) / Inge Klepsvik (Christian Michelsen Research, Bergen, Norway) / Gaute Øverås Lied (Christian Michelsen Research, Bergen, Norway)	118932

Posternumber	Paper title	Authors	Submission ID
	A simple two-step method for fabrication of rare-earth-containing superhydrophobic protective film with good environmental adaptability	Jianxin He (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Lunwu Zhang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Yong Luo (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Lei Zhu (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Wanjun Yang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Lei Liu (School of Chemistry and Chemical Engineering, Chongqing University, Chongqing, China PR) / Lingjie Li (School of Chemistry and Chemical Engineering, Chongqing University, Chongqing, China PR)	122170
	Atmosphere Corrosion Assessment of Stainless Steels in Wenchang Coastal Area of Hainan Island	Cong Liu (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Lunwu Zhang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Wei Liu (China South Industries Group Co., LTD., Chongqing, China PR) / Wanjun Yang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Shiyan Zhang (Southwest Technology and Engineering Research Institute, Chongqing, China PR) / Bingfei Hu (Southwest Technology and Engineering Research Institute, Chongqing, China PR)	122210
CO2-Corrosion in CCS-Applications (TF)			
TF2.1	Corrosion behavior of carbon steel in presence of ferrous carbonate scales in supercritical CO2-water environments	Xiaodan Wang (State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiaotong University, Xi'an, China PR) / Yueshe Wang (State Key Laboratory of Multiphase Flow in Power Engineering, Xi'an Jiaotong University, Xi'an, China PR)	115132
TF2.2	Understanding H2 Gas Breakout in Carbon Capture and Storage Pipeline Gathering Networks	Thomas Jones (Pace Flow Assurance, London, United Kingdom) / Matthew Healey (Pace Flow Assurance, London, United Kingdom)	120762
TF2.3	The Influence of Ionic Strength on CO2 Corrosion of Mild Steel	Tatiana C. Almeida (NDC/COPPE/UFRJ, Rio de Janeiro, Brazil) / Rafael F. Garcia (NDC/COPPE/UFRJ , Rio de Janeiro, Brazil) / Merlin C. E. Bandeira (NDC/COPPE/UFRJ , Rio de Janeiro, Brazil) / Rogaciano M. Moreira (NDC/COPPE/UFRJ , Rio de Janeiro, Brazil) / Oscar R. Mattos (NDC/COPPE/UFRJ , Rio de Janeiro, Brazil)	121770

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Accelerated Atmospheric Corrosion Testing – Exchange Platform for Advanced Methods (WP6, WP8, WP14, WP17, WP22 & WP23)			
WP6-8-14-17-22-23.1	Comparison of the influence of water on degradation of poly (ethylene terephthalate) between indoor accelerated weathering and outdoor exposure tests	Azusa Ishii (NTT Device Innovation Center, NTT Corporation, Atsugi-shi, Kanagawa Pref., Japan) / Takashi Miwa (NTT Device Innovation Center, NTT Corporation, Atsugi-shi, Kanagawa Pref., Japan) / Hiroshi Koizumi (NTT Device Innovation Center, NTT Corporation, Atsugi-shi, Kanagawa Pref., Japan)	107537
Corrosion issues in CO2 environment (WP13 & TF)			
WP13-TF.1	Effect of carbon steel microstructure on FeCO3 precipitation kinetics during CO2 corrosion in the annulus of flexible pipes	Tatiane Oliveira Campos (Labcorr, UFRJ, Rio de Janeiro - RJ, Brazil) / Emanuel Seixas Nascimento Filho (Labcorr, UFRJ, Rio de Janeiro-RJ, Brazil) / José Antônio da Cunha Ponciano Gomes (Labcorr, UFRJ, Rio de Janeiro-RJ, Brazil)	106872
Corrosion protection by ZnAlMg coatings in atmospheric conditions (WP14, WP17 & TF)			
WP14-17-TF.1	A study on corrosion performance of Zn based alloy coated steel sheet under outdoor exposure testing	Kyung-Hwang LEE (Research Institute of Industrial Science & Technology, Pohang, Korea, South) / JiHoon YANG (Research Institute of Industrial Science & Technology, Pohang, Korea, South) / JaeIn JEONG (Research Institute of Industrial Science & Technology, Pohang , Korea, South) / Jeonghyeon YANG (Gyeongsang National University, Tongyeong, Korea, South) / InYoung PARK (Gyeongsang National University, Tongyeong, Korea, South)	109757
WP14-17-TF.2	IMPROVING CORROSION RESISTANCE OF STEEL WIRES WITH MAGNESIUM REINFORCED ZN-%5AL ALLOY COATING AND OBSERVATION OF MICROSTRUCTURE CHANGES	TESLIME AYMAN (R&D, ADANA, Turkey) / MUSA EMRE OZTURK (R&D, ADANA, Turkey)	114417

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WP14-17-TF.3	SVET and SIET study of galvanic corrosion of Al/MgZn2 in aqueous solutions at different pH	Alexander Immanyikwa Ikeuba (Institute of Metal Research, Chinese Academy of Sciences (IMR, CAS) ,Shenyang ,China PR) / Bo Zhang (Institute of Metal Research, Chinese Academy of Sciences (IMR, CAS) , Shenyang ,China PR) / Jianqiu Wang Wang (Institute of Metal Research, Chinese Academy of Sciences (IMR, CAS) , Shenyang ,China PR) / En-hou Han (Institute of Metal Research, Chinese Academy of Sciences (IMR, CAS) , Shenyang ,China PR) / Wei Ke (Institute of Metal Research, Chinese Academy of Sciences (IMR, CAS) , Shenyang ,China PR) / Peter Okafor (Department of Pure and applied chemistry, University of Calabar, Calabar, Nigeria)	122095
Polymers in organic coatings (WP14 & WP19)			
WP14-19.1	Effect of 2D MoS2/SDBS on anticorrosion performance of epoxy coating	Li Hongling (Institute of Oceanology, Chinese Academy of Science, Qingdao, China PR) / Xia Zhao (Institute of Oceanology, Chinese Academy of Science, Qingdao, China PR) / Baorong Hou (Institute of Oceanology, Chinese Academy of Science, Qingdao, China PR)	103587
WP14-19.2	Study on Correlation between Aging Failure of Acrylic Protective Coating and Atmospheric Environment in the South China Sea	jin gao (Institute for Advanced Materials and Technology, University of Science and Technology Beijing, Beijing, China PR) / zhen lv (Institute for Advanced Materials and Technology, University of Science and Technology Beijing, Beijing, China PR) / rui wang (Institute for Advanced Materials and Technology, University of Science and Technology Beijing, Beijing, China PR) / dawei zhang (Institute for Advanced Materials and Technology, University of Science and Technology Beijing, Beijing, China PR) / xiaogang li (Institute for Advanced Materials and Technology, University of Science and Technology Beijing, Beijing, China PR)	104312
WP14-19.3	CHARACTERIZATION OF THE PHENOMENON OF AGING PAINTING ANTI-CORROSION BASED ON EPOXY RESIN	Yazid Touazi (EMP, Adendorf , Kr Lüneburg)	117602
Durability of photovoltaic systems			
	Corrosion Behavior of Brystalline Silicon Solar Cells	XUETAO LUO (Xiamen University, XIAMEN, China PR) / LIUQING HUANG (XIAMEN UNIVERSITY, XIAMEN, China PR) / HUAPING XIONG (XIAMEN UNIVERSITY, XIAMEN, China PR)	101811