



Poster Exhibition (As of 4 Sept 2026)

WP 01.01	Comprehensive Characterisation and Performance Evaluation of Aldol-Based Corrosion Inhibitors Derived for Use in Acidic Environment: Insights from EIS, Weight Loss, and DFT Studies <u>V. Choudhary</u> ¹ ; S. dua ¹ ; N. Arora ¹ ; P. B G ¹ ; S. T ¹ ; S. K Ganguly ¹ ¹ CSIR IIP, Dehradun/IN
WP 01.02	Application of environmentally friendly surface treatment technologies to inhibit scale and corrosion in domestic appliances <u>M. Zaheer</u> ¹ ; J. Owen ¹ ; R. Kay ¹ ; R. Barker ¹ ¹ University of Leeds, Leeds/GB
WP 01.03	Determination of phosphonic scale inhibitor minimum concentration under the influence of iron species conditions <u>G. Leoni</u> ¹ ; L. Araújo de Carvalho ¹ ; T. de Moraes ¹ ; A. Campista ¹ ; L. de Carvalho ¹ ; R. Fontes ² ; T. Freitas ² ; M. da Silva ² ; L. Endres ² ; S. Brasil ¹ ¹ Federal University of Rio de Janeiro, Rio de Janeiro/BR; ² PETROBRAS, Rio de Janeiro/BR
WP 01.04	Studies on eco-friendly corrosion inhibitors in acidic environments <u>A. SINGH</u> ¹ ¹ Nagaland University, ZUNHEBOTO/IN
WP 01.05	Corrosion of storage tanks due to Sustainable Aviation Fuel <u>A. Segatto</u> ¹ ; A. Homborg ² ; A. Mol ¹ ¹ TU Delft (Delft University of Technology), Delft/NL; ² TUDelft / Netherlands Defence Academy, Delft/NL
WP 03.01	Behaviours of cast TaC-reinforced Cr-free Al-rich Co-based alloys during elaboration and during exposure to hot air in service <u>P. Berthod</u> ¹ ¹ Institut Jean Lamour/Université de Lorraine, Nancy/FR
WP 03.02	Achieving superior interfacial stability of typical MCrAlY bond coat by microstructural regulation <u>S. Yang</u> ¹ ; Y. Jiang ² ; M. Chen ¹ ; Z. Bao ² ; F. Wang ¹ ¹ Northeastern University, China, Shenyang/CN; ² Institute of Metal Research, Chinese Academy of Sciences, Shenyang/CN
WP 03.03	Investigation on the phase stability, thermal conductivity and CMAS corrosion resistance of Sc₂O₃-Yb₂O₃ co-doped 8YSZ ceramic for thermal barrier coating <u>J. Li</u> ¹ ; Z. Zhao ¹ ; X. Wang ¹ ¹ Northwest Institute for Non-ferrous Metal Research, Xi'an/CN
WP 03.04	Influence of the presence of HfC in nickel-based superalloys on their oxidation behavior at 1000°C <u>P. Spaeter</u> ¹ ; P. Anvari ² ; I. Cazic ² ; P. Panteix ¹ ; L. Aranda ¹ ; C. Rapin ¹ ; U. Hecht ² ; P. Berthod ¹ ¹ University of Lorraine, Nancy/FR; ² Access e.V., Aachen/DE

WP 03.05	High-Temperature Induced Corrosion Behavior of Steel for Energy Production Facilities and Surface Protection Strategies <u>L. Plakia</u> ¹ ; M. Montemor ¹ ¹ Instituto Superior Tecnico , Lisbon/PT
WP 03.06	Oxidation-induced Interfacial Degradation of Laser-Cladded Al₂O₃ ceramic coatings : Duplex versus Gradient Interlayer Designs <u>S. Song</u> ¹ ; T. Kim ² ; J. Han ³ ; K. Cho ¹ ¹ Korea Institute of Industrial Technology, Suncheon-si, Jeollanam-do/KR; ² Korea Institute of Industrial Technology, Siheung-si, Gyeonggi-do/KR; ³ Hanyang University, Seoul/KR
WP 03.07	When stress shapes oxides: stress-driven duplex morphology in chromia scales <u>L. SEIXAS ANDRIL ARAUJO</u> ¹ ; S. COINDEAU ¹ ; F. ROBAUT ¹ ; A. CRISCI ¹ ; S. MATHIEU ² ; L. MARTINELLI ³ ; L. LATU-ROMAIN ¹ ¹ Université Grenoble Alpes, Saint-Martin-d'Hères/FR; ² Institut Jean Lamour/Université de Lorraine, Nancy/FR; ³ CEA / Paris Saclay, Gif-sur-Yvette/FR
WP 03.08	High Temperature Corrosion of Chromia and Alumina Forming Alloys in Molten LiCl at 620°C in Air C. Geers ¹ ; <u>A. Nikbakht</u> ¹ ; J. Nockert ² ¹ Chalmers University of Technology, Göteborg/SE; ² Kanthal AB, Hallstahammar/SE
WP 04.01	Microstructure evolution and corrosion resistance of Cr coatings on Zirconium alloys exposed to high-temperature steam <u>Y. Wang</u> ¹ ; Y. Wang ² ; J. Geng ² ; C. Zhang ² ; S. Wang ² ¹ , Xi'an/CN; ² Northwest Institute for Non-ferrous Metal Research, Xi'an/CN
WP 04.02	Corrosion Resistance and Applicability of EUROFER97 in Stagnant Lead-Based Breeding Blanket Environments for Fusion Reactors <u>L. Franz</u> ¹ ; R. Gaisin ² ¹ Karlsruhe Institute of Technology (KIT) , Eggenstein-Leopoldshafen/DE; ² Karlsruhe Institute of Technology (KIT) , Karlsruhe/DE
WP 04.03	Sensitization behavior of high-nitrogen austenitic stainless steel XM-19 welds <u>Y. Kweon</u> ¹ ; H. Hwang ¹ ; C. Jang ¹ ¹ Korea Advanced Institute of Science and Technology (KAIST), Daejeon/KR
WP 04.04	Stress Corrosion Cracking in the Secondary Circuit in Dukovany NPP: Operational Experience and Mitigation Measures <u>J. Nemcova</u> ¹ ; J. Drápela ² ¹ ČEZ, a.s., Nuclear division, Czech Republic/CZ; ² ČEZ, a.s., Nuclear division, Temelín/CZ
WP 04.05	Corrosion stability assessment of primary circuit materials based on Long-Term surveillance samples <u>D. Slněk</u> ¹ ¹ VUJE, a.s., Trnava/SK
WP 04.06	Research and Development of the Waste Disposal Package: Current status and follow-up research <u>A. Golubko</u> ¹ ; J. Stoullil ² ¹ SÚRAO - Radioactive Waste Repository Authority, Prague/CZ; ² University of Chemistry and Technology Prague, Prague/CZ

WP 04.07	Stress-assisted corrosion of nickel alloys in molten chloride salt H. Le Tran ¹ ; I. Proriot Serre ¹ ; F. Béclin ¹ ; D. Creton ¹ ; J. Golek ¹ ; M. Rivenet ² ; M. Colmont ² ; S. DAVIERO-MINAUD ² ; P. Devaux ² ¹ Univ. Lille, CNRS, INRAE, Centrale Lille, UMR 8207—UMET—Unité Matériaux Et Transformations, Lille/FR; ² Univ.Lille, CNRS, Centrale Lille, Univ. Artois, UMR 8181 – UCCS – Unité de Catalyse et de Chimie du Solide, Lille/FR
WP 04.08	Material dissolution measurements in fusion water environments B. Hashemi ¹ ; L. Volpe ² ; N. Stevens ³ ; F. Scenini ¹ ¹ Henry Royce Institute, Manchester/GB; ² UK Atomic Energy Agency, Culham/GB; ³ University of Manchester, Manchester/GB
WP 04.09	Corrosion performance of Al-alloyed austenitic steel at 500 °C in static Pb and Pb-Bi eutectic with 10-7 wt% dissolved oxygen concentration for 10.000 h - Effect of surface finish H. De Boeck ¹ ; T. Valentyn ² ; F. Delaunois ¹ ; S. Gavrilov ² ; P. Schuurmans ² ¹ UMONS/University of Mons, Mons/BE; ² Belgian Nuclear Research Centre SCK CEN, Mol/BE
WP 04.10	CANDU Primary-Side Purification System Ion Exchanger Resin Behaviour: Experiments Simulating a Low-Level Drained State Outage O. Palazhchenko ¹ ; F. Baker ² ; J. Ferguson ³ ¹ University of New Brunswick, Fredericton/CA; ² Point Lepreau Nuclear Generating Station, Maces Bay/CA; ³ Saint Mary's University, Halifax/CA
WP 04.11	Mechanistic insights into oxidation of cavitation peened Alloy 182 in hydrogenated high temperature water A. Das ¹ ; T. Babinský ¹ ; S. Ritter ¹ ; H. Seifert ¹ ¹ Paul Scherrer Institut, Villigen/CH
WP 04.12	Effect of the initial surface condition on the corrosion of Mg alloys in the geopolymer B. MUZEAU ¹ ; G. Touzé ¹ ; D. Hainos ¹ ¹ CEA / Paris Saclay, Gif-sur-Yvette/FR
WP 04.13	A-DREAM : Accelerated Discovery of Corrosion-Resistant Materials for Chloride Molten Salt Systems R. HADDAD ¹ ¹ CEA / Paris Saclay, Gif sur Yvette/FR
WP 04.14	Modelling the Radiolysis of Helium in High Temperature Gas Reactors (HTGRs) to Predict Corrosive Species Yield N. Sweeney Fort ¹ ¹ UKNNL, Stonehouse/GB
WP 04.15	Qualification strategy for the corrosion behavior of materials used in a uranium processing plant D. BA ¹ ; L. JUNOD ¹ ; S. FEYDI ² ; M. CELIER ² ; H. IMBAUD ² ; G. JOUBERT ³ ; E. Malard ⁴ ¹ ORANO Projets, Cherbourg en cotentin/FR; ² ORANO Mining, Bessines/FR; ³ ORANO Mining, Chatillon/FR; ⁴ Orano Group, /DE
WP 05.01	Enhancing hydrogen embrittlement resistance through chemical heterogeneity in austenite of medium Mn steel J. Li ¹ ¹ University of Science and Technology Beijing (USTB), Beijing /CN

WP 05.02	Effect of Hydrogen Charging Time on Strength and Ductility of Austenitic Stainless Steel, SUS304 <u>K. Oba</u> ¹ ; T. Hojo ¹ ; S. Ajito ² ; H. Waki ³ ; E. Akiyama ² ¹ Tohoku Gakuin University, Sendai/JP; ² Tohoku University, Sendai/JP; ³ Iwate University, Morioka/JP
WP 05.03	Multiphase Microstructure and Hydrogen Embrittlement of Cr-Alloyed Low-C Medium-Mn Steel: Fracture Modes vs. Hydrogen Content <u>C. Du</u> ¹ ; T. Wang ² ; M. Liu ³ ; Y. Du ¹ ; C. Hai ⁴ ; X. Li ⁵ ¹ University of Science and Technology Beijing, Beijing/CN; ² University of Science and Technology Beijing (USTB), Beijing/CN; ³ KTH Royal Institute of Technology, Stockholm/SE; ⁴ Chinese Academy of Sciences, Hefei/CN; ⁵ University of Science and Technology Beijing (USTB), Beijing /CN
WP 05.04	Comparative conservatism of fracture toughness measurements using SENT, SENB and CT specimens under air and hydrogen gas <u>L. Moli-Sanchez</u> ¹ ; C. Mendibide ¹ ¹ Institut de la Corrosion / French Corrosion Institute - Part of RISE, Fraisses/FR
WP 05.05	A Coupled Electrochemical–Mechanical Methodology to Evaluate Hydrogen Embrittlement Susceptibility of High-Strength Self-Tapping Screws <u>S. Zonta</u> ¹ ; M. Fedel ¹ ; M. Chiodega ² ¹ University of Trento, Trento/IT; ² ROTHO BLAAS SRL, Cortaccia (BZ)/IT
WP 05.06	Simulating the Potential of Biological Threats to Underground Hydrogen Storage (UHS) Operations <u>A. Abilio</u> ¹ ; O. Sobol ¹ ; A. Koerd ¹ ¹ BAM - Bundesanstalt für Materialforschung und -prüfung, Berlin/DE
WP 05.07	Compatibility assessment of brass distribution gas grid with hydrogen <u>A. Urbegain</u> ¹ ; N. Guenaga ² ; U. De Francisco ³ ; L. Martínez ⁴ ; V. Gil ⁴ ; V. Madina ² ¹ TECNALIA, Basque Research and Technology Alliance (BRTA), San Sebastián/ES; ² TECNALIA, Basque Research and Technology Alliance (BRTA), San Sebastian/ES; ³ TECNALIA, Basque Research and Technology Alliance (BRTA), San sebastian/ES; ⁴ Fundación Hidrógeno Aragon, Cuarte/ES
WP 06/08.01	Influence of Pre-oxidation on the interfacial microstructure and corrosion kinetics of Zn-Al-Mg coatings <u>Y. Kim</u> ¹ ¹ POSCO, Nam-gu, Pohang-si, Gyeongsangbuk-do/KR
WP 06/08.02	Glucose-Mediated Film Transformation for AC Corrosion Resistance: An Interfacial Engineering Strategy for Synergistic Cathodic Protection <u>Y. Ding</u> ¹ ; Z. Jiang ² ¹ The China University of Petroleum (Beijing), Beijing/CN; ² China University of Petroleum (Beijing), Beijing/CN
WP 06/08.03	Electrochemical corrosion behavior of laser remelted flame sprayed Al₂O₃-42% TiO₂ coating deposited on steel <u>S. Suman</u> ¹ ; H. Singh ¹ ; K. Sabiruddin ¹ ¹ Indian Institute of Technology Indore, Indore/IN

WP 06/08.04	A novel anti-corrosion strategy for ultra-high purity 316L stainless steel in the semiconductor industry: Leveraging alternating voltage passivation and nitric acid passivation <u>T. Zhang</u> ¹ ¹ Northeastern University, Shenyang/CN
WP 06/08.05	Role of Laser-Treated Surface Coverage in Corrosion Control of AA2024 Aluminium Alloy <u>L. Zschach</u> ¹ ; J. Dib ² ; F. Soldera ³ ; R. Baumann ¹ ; A. Lasagni ¹ ¹ Technische Universität Dresden, Dresden/DE; ² Instituto de Física Rosario, Rosario/AR; ³ Saarland University, Saarbrücken/DE
WP 06/08.06	A Multiphysics Corrosion Prediction Model of Zone-Dependent Steel Pipe Piles (SPPs) in Offshore Engineering <u>L. Jiang</u> ¹ ; L. Zhang ¹ ; S. Shi ¹ ; X. Liu ¹ ¹ The university of Melbourne, Carlton/AU
WP 06/08.07	Corrosion Behavior of Steel for PV Support Piles in Two Typical Soils <u>Q. Zhou</u> ¹ ; Y. Li ¹ ; F. Song ¹ ¹ Baoshan Iron & Steel Co., Ltd, Shanghai/CN
WP 06/08.08	Galvanic Corrosion Behavior of Carbon Steel Under Flow Conditions in Oxygenated Low-Salinity Water <u>F. Spence</u> ¹ ; R. Barker ¹ ; R. Kay ¹ ; H. Thompson ¹ ; G. de Boer ¹ ; J. Owen ¹ ¹ University of Leeds, Leeds/GB
WP 06/08.09	Hydrogen permeation behavior around welded region in stainless steels <u>H. Katayama</u> ¹ ; Y. Hiraoka ² ; Y. Murase ¹ ; H. Watanabe ² ; I. Shitanda ² ; M. Itagaki ² ¹ National Institute for Materials Science, Tsukuba/JP; ² Tokyo University of Science, Noda/JP
WP 06/08.10	he interface “switching on/off” mechanism of multi-disordered alloy HER electrodes with superior durability in water electrolysis: the correlation between corrosion and catalysis <u>J. TANG</u> ¹ ¹ Southwest Petroleum University, Chengdu City/CN
WP 06/08.11	Corrosion Inhibition of Low-Alloy Steel in Acidic Media by an Expired Biguanide-Based Pharmaceutical Compound: Experimental and DFT Insights <u>A. Popović</u> ¹ ; D. Trajković ¹ ; A. Aligayev ² ; B. Grgur ¹ ¹ University of Belgrade Faculty of Technology and Metallurgy, Beograd (Palilula)/RS; ² NOMATEN Centre of Excellence, National Centre for Nuclear Research, Otwock/Poland ; 3) Baku Engineering University, Scientific Research Center, Baku/Azerbaijan, Otwock/PL
WP 06/08.12	Corrosion behavior of Fe-Cu alloy in acidic sulfate solution investigated by online ICP-OES <u>K. Fukuchi</u> ¹ ; M. Iwai ¹ ; S. Kitano ¹ ; H. Habazaki ¹ ; Y. Takabatake ² ; K. Fushimi ¹ ¹ Hokkaido University, Sapporo, Hokkaido/JP; ² Nippon Steel Corporation, Amagasaki, Hyogo/JP
WP 06/08.13	High-Temperature Wear and Corrosion Behavior of NiAl-WC Laser-Cladded Metal Matrix Composite Coating <u>S. Hong</u> ¹ ; W. Sin ¹ ; T. Kim ² ; D. Lee ³ ; K. Cho ¹ ¹ Korea Institute of Industrial Technology, Suncheon-si, Jeollanam-do/KR; ² Korea Institute of Industrial Technology, Siheung-si, Gyeonggi-do/KR; ³ Suncheon National University, Suncheon-si, Jeollanam-do/KR

WP 06/08.14	Microstructural evolution and corrosion behavior of Al-Zn-Si-Mg-Ca coatings for hot-stamping after austenizing heat treatment <u>E. Wang</u> ¹ ; Y. Choi ¹ ; C. Park ² ¹ Korea Institute of Industrial Technology, Suncheon-si/KR; ² Chonnam National University, Gwangju-si/KR
WP 06/08.15	Automated High-throughput Evaluation and Predictive Machine Learning for Screening Zn Corrosion Inhibitors <u>S. Yamamoto</u> ¹ ; B. Vaghefinazari ² ; L. Sahlmann ² ; C. Feiler ² ; S. Lamaka ² ; M. Zheludkevich ² ¹ JFE Steel Corporation, Fukuyama/JP; ² Helmholtz-Zentrum Hereon, Geesthacht/DE
WP 06/08.16	Look beneath the surface: Interface corrosion studies with elemental and molecular analysis <u>A. STANKOVA</u> ¹ ; P. Chapon ¹ ; S. Lee ¹ ¹ HORIBA, Palaiseau/FR
WP 06/08.17	Electrochemical Measurement of the Critical Pitting Temperature (CPT) on AISI 316L Stainless Steel to Illustrate the Influence of Different Surface Treatments on the Early Stage of Pitting Corrosion <u>M. Sorg</u> ¹ ; A. Hoertnagl ² ; I. Goepfert ² ¹ Institute for Materials System Technology Thurgau, Tägerwilen/CH; ² Technical University of Applied Sciences Würzburg-Schweinfurt, Schweinfurt/DE
WP 06/08.18	Investigating corrosion and protection mechanisms of titanium under aggressive conditions <u>G. Kainikkara</u> ¹ ; M. Eškinja ¹ ; G. Mori ¹ ¹ Montanuniversität Leoben, Leoben/AT
WP 06/08.19	The Role of Nickel in Passivation and Corrosion Resistance of Low Chromium Ferrous Alloys <u>Y. Wang</u> ¹ ; D. Blackwood ¹ ¹ National University of Singapore, Singapore/SG
WP 06/08.21	Effect of fabrication process-related cooling rates and heat treatment on the corrosion behavior of Al-Si-Mg Alloys <u>L. Besenbeck</u> ¹ ; C. Altenbach ¹ ; F. Yang ¹ ; C. Akuata ¹ ; F. Adjei-Kyeremeh ² ; I. Raffeis ² ; D. Zander ² ¹ German Aerospace Center (DLR), Cologne/DE; ² RWTH Aachen University, Aachen/DE
WP 06/08.22	Effect of temperature on the corrosion of copper tubing <u>M. Santos</u> ¹ ; A. Bastos ¹ ; <u>J. Tedim</u> ¹ ¹ University of Aveiro, Aveiro/PT
WP 06/08.23	Predicting application limits of metallic materials using a physical corrosion model <u>N. Alexiadis</u> ¹ ; A. Fuchs ¹ ; T. Troßmann ¹ ; J. Thöming ² ; F. La Mantia ² ¹ Robert Bosch GmbH, Renningen/DE; ² University of Bremen, Bremen/DE
WP 06/08.24	Machine Learning Interatomic Potentials for Solid Nickel-Molten FLiNaK Interfaces <u>T. Heegaard</u> ¹ ; J. Robles ¹ ; T. Vegge ¹ ; K. Møller ¹ ; I. Castelli ¹ ¹ Technical University of Denmark (DTU), Kongens Lyngby/DK

WP 06/08.25	Hydrogen Peroxide– Induced Surface Processes in Amorphous Ti–O Protective Coatings: Insights into Oxidative Stability and Surface Evolution <u>R. Thomas</u> ¹ ; D. Music ¹ ¹ Malmo University, Malmo/SE
WP 07.01	A Digital Blended Learning Design for Linking Fundamental Electrochemistry to Galvanic Corrosion Education <u>Z. ZHANG</u> ¹ ; D. Blackwood ¹ ¹ National University of Singapore, Singapore/SG
WP 09.01	Repair Coating Testing and Assessment for aqueous environments <u>T. Mutz</u> ¹ ; M. Schmid ¹ ; M. Hörnig ¹ ¹ Federal Waterways Engineering and Research Institute, Karlsruhe/DE
WP 09.02	PREDICTING MARINE CORROSION RATES OF CARBON STEEL USING MACHINE LEARNING <u>M. Girma</u> ¹ ¹ , Antwerpen/BE
WP 09.03	Ti6Al4V anti-cavitation coating prepared by in-situ micro-forging cold spraying on aluminum substrate <u>W. Li</u> ¹ ; H. Wang ¹ ¹ Guangdong Academy of Sciences, Guangzhou/CN
WP 09.04	Corrosion and tribological behavior of WC-NiMoCrFeCo coating in seawater environment: The role of a novel dynamic reaction product in corrosion-resistant and self-lubricating <u>S. Li</u> ¹ ; C. Deng ¹ ; Y. Zhang ¹ ; J. Mao ¹ ; H. Wang ¹ ¹ Institute of New Materials, Guangdong Academy of Sciences, Guangzhou/CN
WP 09.05	Enhancing the corrosion resistance of low-density steels via Al-rich oxide film formation by grain size optimization <u>G. Yang</u> ¹ ¹ , 30 Xueyuan Road, Haidian District, Beijing 100083, China/CN
WP 09.06	A study of offshore repair coating with chloride pre-contamination <u>L. Eggert</u> ¹ ; T. Müller ¹ ; J. Schubert ² ; A. Burkert ¹ ¹ Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin/DE; ² Fraunhofer-Institut für Großstrukturen in der Produktionstechnik IGP, Rostock/DE
WP 09.07	Design of Experiments for ICCP Performance Assessment in Offshore Wind Applications <u>K. Verhasselt</u> ¹ ; W. Witteveen ¹ ; J. Horvath ¹ ; D. Toumgho ¹ ; G. Potters ¹ ¹ Antwerp Maritime Academy, Antwerp/BE
WP 09.08	Study of bimetallic galvanic corrosion of copper with different metals in a corrosive C5 environment (Lanzarote, Canary Islands, Spain) <u>C. Berlanga</u> ¹ ; G. Perez ² ; P. Alegria ² ; L. Catalan ² ; D. Astrain ² ¹ Public University of Navarre, Pamplona, Navarra/ES; ² Public University of Navarre, Campus Arrosadía s/n, 31006, Pamplona, Spain., Pamplona/ES

WP 09.09	Towards a Digital Twin Architecture for Coastal Corrosion Risk Management within CORRASBlue project N. Rožman¹; D. Kozjek¹; R. Vrabič¹; D. Klobčar¹; B. An Stepec²; <u>U. Trdan</u>¹ ¹ University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana/SI; ² NORCE Research AS, Bergen/NO
WP 09.10	Influence of pickling processes on the defect geometry of pre-corroded samples <u>J. Standl</u>¹; P. Gerards-Wünsche¹ ¹ Bundesanstalt für Materialforschung und -prüfung, Berlin/DE
WP 09.11	Stakeholder Input for Co-creating a Digital Twin Platform for Coastal Corrosion Risk Management A. Meroufel¹; <u>A. Rasmussen</u>²; A. Erbe³; T. Skovhus⁴; B. Stepec⁵ ¹ RISE AB, Kista/SE; ² Corrosion Advice ApS, Hørsholm/DK; ³ Norwegian University of Science and Technology (NTNU), Trondheim/NO; ⁴ VIA University College, Horsens/DK; ⁵ NORCE Research, Bergen/NO
WP 09.12	Study on the electrochemical stability of the passive film on titanium alloys in deep-sea environments <u>R. Liu</u>¹ ¹ Northeastern University, Shenyang/CN
WP 09.13	Integrated Design of Multifunctional Anti-corrosion and Anti-icing Coatings for Low-Temperature and High-Humidity Marine Environments <u>L. Liu</u>¹; R. Liu¹; Y. Cui²; F. Meng¹; F. Wang¹ ¹ Northeastern University, China, shenyang/CN; ² Institute of Metal Research, Chinese Academy of Sciences, shenyang/CN
WP 09.14	Comparative Analysis of Corrosion and Performance in Floating and Land-Based Photovoltaic Systems Using a Customized Low-Cost Sensors Platform C. Proença¹; P. Inácio¹; G. Carvalho¹; C. Martins¹; M. Vieira²; D. Duarte³; R. Bonito⁴; A. Cabral¹ ¹ ISQ – Instituto da Soldadura e Qualidade, Oeiras/PT; ² Wavec, Lisbon/PT; ³ University of Evora, Evora/PT; ⁴ Capwatt, Maia/PT
WP 10.01	Monitoring of Microbial Corrosion in Volcanic Soil by an Innovative Multiparametric probe <u>P. Cristiani</u>¹; S. Ravasi²; S. Ravasi²; L. Murachelli³; M. Bestetti⁴; A. Vincenzo⁴; F. Pittino⁵; G. Caucia⁵ ¹ RSE-Ricerca sul Sistema Energetico S.p.A, Milano/IT; ² Ricerca Sul Sistema Energetico RSE SPA, Milano/IT; ³ AMEL, Milano/IT; ⁴ Politecnico di Milano, Milano/IT; ⁵ Università degli Studi di Milano-Bicocca, Milano/IT
WP 10.02	Inhibition of SRB-induced corrosion of X65 steel by Bacillus sp. : Microbial competition and biomineralized film formation <u>M. Du</u>¹ ¹ Ocean University of China, Qingdao/CN
WP 10.03	Effect of trace Sb microalloying on SRB-induced corrosion behavior of a 690 MPa-grade tempered sorbite steel <u>X. Zhang</u>¹ ¹Beijing/CN

WP 10.04	Smart Coating for Mitigating Sulfate-Reducing Bacteria Induced Corrosion on Copper Alloys <u>Z. Qiu</u> ¹ ; C. Lin ¹ ; L. He ¹ ¹ National Key Laboratory of Marine Corrosion and Protection, Qingdao/CN
WP 10.05	Bioreduction of Fe(III) during co-culture (Shewanella oneidensis and Geobacter sulfurreducens) on lactate medium <u>F. Jorand</u> ¹ ; E. Schmitt ¹ ; C. DESPAS ¹ ; A. ALLION-MAURER ² ¹ Université de Lorraine-CNRS, Nancy/FR; ² Aperam Stainless France, Isbergues/FR
WP 10.06	Early-Stage Microbial Characterization for Corrosion Risk Assessment in Gas and Hydrogen Infrastructure <u>S. Shokranian</u> ¹ ; B. Siebers ² ; A. Böllmann ¹ ; G. Schmid ¹ ; L. Dengler ¹ ; C. Moissl-Eichinger ³ ¹ Microbify GmbH, Straubing/DE; ² University Duisburg-Essen, Essen/DE; ³ Medical University of Graz, Graz/AT
WP 10.07	Preventing Marine Microbial Corrosion of 304 Stainless Steel using Conductive Polymers <u>I. Vargas</u> ¹ ¹ Pontificia Universidad Católica de Chile, Santiago/CL
WP 10.08	Enhancing microbiologically influenced corrosion resistance of S32205 duplex stainless steel with Nb microalloying <u>Y. Wang</u> ¹ ; D. Xu ² ; J. Li ³ ¹ Northeastern University, China, Heping District, Shenyang, P. R. China/CN; ² Northeastern University, China, Shenyang/CN; ³ Northeastern University, Shenyang,China/CN
WP 10.09	Evaluation of Microbiologically Influenced Corrosion of 316L, 304 and X3CrNiMo13-4 Martensitic Stainless Steels Exposed to Desulfovibrio desulfuricans in Different Media <u>A. Lesar</u> ¹ ¹ Institute of metals and technology, Ljubljana/SI
WP 10.10	Bioelectrochemical reduction of TiO2 destabilizes the corrosion-protective titanium passive film <u>J. Li</u> ¹ ; Y. Wang ² ; D. Xu ² ¹ Northeastern University, China, Heping District, Shenyang, P. R. China/CN; ² Northeastern University, China, Shenyang/CN
WP 11.01	Electrochemical Evaluation of Galvanic Coupling in Hybrid Carbon Steel-Stainless Steel Anchoring Systems for Concrete Infrastructures <u>A. Cristoforetti</u> ¹ ; S. Rossi ¹ ; M. Fedel ¹ ¹ University Of Trento, Trento/IT
WP 11.02	Assessing the durability of low-alloy rebars in China plateau environment by outdoor exposure and on-site online monitoring <u>C. Liu</u> ¹ ; T. Chen ¹ ; X. Cheng ² ; X. Li ¹ ¹ University of Science and Technology Beijing (USTB), Beijing/CN; ² ustb, Beijing/CN
WP 11.03	Harmonic Analysis-Based Corrosion Diagnosis of Reinforcing Steel in Concrete <u>S. Deguchi</u> ¹ ; N. Hashimoto ¹ ; M. Sadamoto ² ; Y. Kato ¹ ¹ Tokyo University of Science, Chiba/JP; ² Clear-Pulse Co., Ltd, Tokyo/JP

WP 11.04	Galvanized steel rebars as an alternative to carbon steel for reinforced concrete in chloride-rich environments H. Matera ¹ ; E. Bendinelli ² ; F. Nunes ³ ; <u>S. Brasil</u> ⁴ ¹ UFRJ, Rio de Janeiro/RJ/BR; ² Eletrobras Cepel, Rio de Janeiro/BR; ³ USP, São Paulo/BR; ⁴ UFRJ, Rio de Janeiro/BR
WP 13.01	Enhancing Pump Reliability and Mitigating Erosive Wear <u>F. Aldosari</u> ¹ ¹ Saudi Aramco, Dhahran/SA
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