



ADENDUM – Last changes not included in the programme

Tuesday, September 10, 2019

New Schedule:

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Inorganic Coatings (WP14)/Chair: W. Fürbeth, R. Novoa.

Presentation time: 15:00:00 PM

Abstract ID and Title: 192435, FUNDAMENTAL MECHANISM OF METAL DEPOSITION MEDIATED BY POLYAMIDES

Presenting author: Gastelle F. Tiétcha

Authors: Gastelle F. Tiétcha (Dörken MKS-Systeme GmbH & Co. KG, Herdecke, Ruhr) / Laura Mears (Technische Universität Wien, Institute of Applied Physics, Vienna, Austria) / Ingo Klüppel (Dörken MKS-Systeme GmbH & Co. KG, Herdecke) / Marcel Roth (Dörken MKS-Systeme GmbH & Co. KG, Herdecke) / Markus Valtiner (Technische Universität Wien, Institute of Applied Physics, Vienna, Austria)

New Presenting author:

Room and situation: Andalucia 3, Floor 0 (above Atrio III)

Session and Chair(s): C. of Archaeological and Historical Artefacts (WP21)/Chairs: Neff, Grassini.

Presentation time: 4:10:00 PM

Abstract ID and Title: 195427, Survey of copper base alloys used in ancient Egypt

Presenting author: Venice Gouda

Authors: Venice Gouda (National Research Centre, Dokki, Egypt) / Emma Angelini (Politecnico di Torino, Torino, Italy) / Ahmed Awad Abouelata (National Research Centre, Dokki, Egypt) / Mohamed Shehata (National Research Centre, Dokki, Egypt) / Sabrina Grassini (Politecnico di Torino, Torino, Italy)

Room and situation: Andalucia 4, Floor 0 (above Atrio III)

Session and Chair(s): JS: Polymers in Organic Coatings (WP14 + WP19)/Chairs: Heinemann, Fürbeth.

Presentation time: 4:10:00 PM

Abstract ID and Title: 219858, Graphene-polymer nanocomposites Coatings for Corrosion Inhibition of Mg

Presenting author: Chayanika Das

Authors: Chayanika Das (Bundesanstalt für Materialforschung und Prüfung (BAM) Berlin, Berlin) / Julia Witt (Bundesanstalt für Materialforschung und Prüfung, Berlin) / Eleni Kastania (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin) / Özlem Özcan (Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin)

Abstracts canceled:

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Metallic Coatings (WP14)/Chair: F. Andreatta, S. Rossi.

Presentation time: 12:05:00 PM

Abstract ID and Title: 198441, Electrochemical corrosive behaviors of Fe-Based Amorphous coating prepared by HVOF-sprayed

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Metallic Coatings (WP14)/Chair: R. Feser, M. Lekka.

Presentation time: 5:10:00 PM

Abstract ID and Title: 225809, Aluminum Cladded Steel (ACS) for DWP energy cables

Presenting author: Giusi Boffa

Authors: Giusi Boffa (Prysmian S.p.A, Milan, Jersey) / Elisa Mora (Prysmian S.p.A, Milan, Italy) / Lidia Terruzzi (Prysmian S.p.A, Milano, Italy)

Room and situation: Sevilla 2, Floor 0 (foyer)

Session and Chair(s): C. Mechanisms, Methods & Modelling (WP6+8)/Chair: Maurice.

Presentation time: 5:10:00 PM

Abstract ID and Title: 197451, Controversies on intergranular corrosion evaluation practices

Presenting author: Sudesh Wijesinghe

Authors: Yan Han Liew (NUS Graduate School for Integrative Sciences and Engineering, National University of Singapore, Singapore, Singapore) / Fern Lan Ng (Singapore Institute of Manufacturing Technology (SIMTech), Singapore, Singapore) / Daniel J Blackwood (Department of Materials Science and Engineering, National University of Singapore, Singapore, Singapore) / Sudesh Wijesinghe (Singapore Institute of Manufacturing Technology (SIMTech) and National University of Singapore, Singapore, Singapore)

Wednesday, September 11, 2019

Authors updated:

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Organic Coatings/Chair: M. Ferreira, P. Keil.

Presentation time: 4:30:00 PM

Abstract ID and Title: 230099, Novel Inorganic, Layered Aluminum tri-polyphosphate (ATP) Intercalated with N-containing inhibitors for Anti-corrosion Applications

Presenting author: Chaymae Hejjaj

Authors: Chaymae Hejjaj (Materials Science and Nano-engineering Department, Mohamed VI polytechnic university, Benguerir, Morocco) / Ahmed Ait Aghzzaf (LASAD, Ecole Normale Supérieure-Abdel-malek Essaadi University, Martil, Morocco, Martil, Morocco) / Mouad dahbi (Materials Science and Nano-engineering Department, Mohamed VI polytechnic university, Benguerir, Morocco) / Rachid Hakkou (Materials Science and Nano-engineering Department, Mohamed VI polytechnic university, Benguerir, Morocco and LCME, Faculty of Science and Technology - Cadi Ayyad University, Marrakesh, Morocco, Marrakech, Morocco) / Christian Fischer (Department of Physics, University Koblenz- Landau, Koblenz, Germany)

New Schedule:

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Organic Coatings/Chair: M. Ferreira, P. Keil.

Presentation time: 4:50:00 PM

Abstract ID and Title: 176408, Smart Combination of electrochemical (EIS, SKP), spectroscopic and mechanical methods to investigate the diffusion/migration of electrolyte and/ or water along the metal/water-borne organic coating interface

Presenting author: Shima Khazraee Sheidaee Mehr

Authors: Shima Khazraee Sheidaee Mehr (Niederrhein University of Applied Sciences, Krefeld) / Michael Dornbusch (Niederrhein University of Applied Sciences, Krefeld) / Wolfgang Bremser (Paderborn University, Paderborn)

Room and situation: Andalucia 1+2, Floor 0 (above Atrio III)

Session and Chair(s): Marine Corrosion (WP9)/Chair: Refait, Paul.

Presentation time: 4:30:00 PM

Abstract ID and Title: 229043, Shipbuilding: Welding Aspects in the Presence of Shop Primer

Presenting author: Isabel Margarit-Mattos

Authors: Alexandre Marinho (UFRJ, Rio de Janeiro, Brazil) / Isabel Margarit-Mattos (UFRJ, Rio de Janeiro, Brazil) / Kioshy Assis (UFRJ, Rio de Janeiro, Brazil) / Douglas Fortunato (UFRJ, Rio de Janeiro, Brazil) / Sebastião Alves (Tintas Vinci, Rio de Janeiro, Brazil)

Room and situation: Andalucia 8, Floor 0 (above Atrio III)

Session and Chair(s): Tribocorrosion (WP18)/Chair: Espallargas, Mazzonello.

Presentation time: 10:55:00 AM

Abstract ID and Title: 206284, TRIBOCORROSION OF STEEL AND COATINGS IN OFFSHORE APPLICATIONS

Presenting author: Ainara Lopez-Ortega

Authors: Ainara Lopez-Ortega (IK4 - TEKNIKER, Eibar, Spain) / Raquel Bayón (IK4 - TEKNIKER, Eibar, Spain)

Room and situation: Andalucia 8, Floor 0 (above Atrio III)

Session and Chair(s): Tribocorrosion (WP18)/Chair: Espallargas, Mazzonello.

Presentation time: 12:05:00 PM

Abstract ID and Title: 206163, TRIBOCORROSION BEHAVIOUR OF A MODIFIED TSA COATING EMPLOYED IN OFFSHORE SUBMERGED COMPONENTS

Presenting author: Ainara Lopez-Ortega

Authors: Ainara Lopez-Ortega (IK4 - TEKNIKER, Eibar, Spain) / Gemma Mendoza (IK4 - TEKNIKER, Eibar, Spain) / Raquel Bayón (IK4 - TEKNIKER, Eibar, Spain)

Room and situation: Andalucia 8, Floor 0 (above Atrio III)

Session and Chair(s): Environment Sensitive Fracture (WP5)/Chair: K. Wolski, H. Sarmiento-Klapper.

Presentation time: 4:10:00 PM

Abstract ID and Title: 233135, Studying the impacts of hydrogen on the properties of passive layer and local mechanical properties

Presenting author: Mohammad Zamanzade

Authors: Mohammad Zamanzade (Mines Saint-Etienne, Univ Lyon, CNRS, UMR 5307LGF, Centre SMS, Saint-Etienne, France) / Christian Müller (Department of Materials Science, Saarland University, Bldg. D2.2, Saarbrücken) / Christian Motz (Department of Materials Science, Saarland University, Bldg. D2.2, Saarbrücken) / Frederic Christien (Mines Saint-Etienne, Univ Lyon, CNRS, UMR 5307LGF, Centre SMS, Saint-Etienne, France)

So, WP5 Meeting is at 4:30:00 PM

New presentation and Schedule in the “Pitting Corrosion of Copper in Drinking Water Installations (WP20+CEOCOR)” session:

Room and situation: Andalucia 4, Floor 0 (above Atrio III)

Session and Chair(s): JS: Pitting C. of Copper in Drinking Water Installations (WP20 + CEOCOR)/Chair: .

Presentation time: 2:00:00 PM

Abstract ID and Title: 216822, Pitting Corrosion of Copper in Drinking Water Systems: An Update of the current Situation in Germany and an Outlook on further Investigations

Presenting author: Timo Jentsch

Authors: Timo Jentsch (IWW Water Centre, Mülheim an der Ruhr) / Angelika Becker (IWW Water Centre, Mülheim an der Ruhr) / Ute Ruhrberg (IWW Water Centre, Mülheim an der Ruhr)

Room and situation: Andalucia 4, Floor 0 (above Atrio III)

Session and Chair(s): JS: Pitting C. of Copper in Drinking Water Installations (WP20 + CEOCOR)/Chair: .

Presentation time: 2:20:00 PM

Abstract ID and Title: 174208, Pitting of Copper Pipes in Domestic Water Systems in the UK

Presenting author: Phillip Munn

Authors: Phillip Munn (Midland Corrosion Services Ltd, Darley Dale Derbyshire, United Kingdom)

Room and situation: Andalucia 4, Floor 0 (above Atrio III)

Session and Chair(s): JS: Pitting C. of Copper in Drinking Water Installations (WP20 + CEOCOR)/Chair: .

Presentation time: 2:40:00 PM

Abstract ID and Title: 239779, Microbial pitting at copper tubes from a drinking (warm) water circulation

Presenting author: Gunther Pajonk

Authors: Gunther Pajonk Institute of Materials Testing of Northrhine-Westfalia)

Room and situation: Andalucia 4, Floor 0 (above Atrio III)

Session and Chair(s): JS: Pitting C. of Copper in Drinking Water Installations (WP20 + CEOCOR)/Chair: .

Presentation time: 3:00:00 PM

Abstract ID and Title: 189498, Observations of copper pitting corrosion in german tap waters

Presenting author: Johann-Wilhelm Erning

Authors: Johann-Wilhelm Erning (Federal Institute for Material Research and Testing, Berlin)

New Presenting autor:

Room and situation: Andalucia 6+7, Floor 0 (above Atrio III)

Session and Chair(s): C. & Scale Inhibition (WP1)/Chairs: Schmitt, Hater .

Presentation time: 10:55:00 AM

Abstract ID and Title: 226722, Compatibility of fabrication of superhydrophobic surface and injection of inhibitors for corrosion prevention

Presenting author: Saman Hosseinpour

Authors: Amir Hossein Noorbakhsh Nezhad (Materials and Metallurgical Engineering Department, Faculty of Engineering, Ferdowsi University of Mashhad (FUM), Mashhad, Iran) / Rahimi Rahimi (Department of Engineering and Architecture, University of Udine, Via Cottonificio 108, 33100, Udine, Italy) / Reza Arefinia (Chemical Engineering Department, Faculty of Engineering, Ferdowsi University of Mashhad (FUM), Mashhad, Iran) / Saman Hosseinpour (Institute of Particle Technology (LFG), Friedrich-Alexander-Universität-Erlangen-Nürnberg (FAU), Erlangen) / Ali Davoodi (Materials and Metallurgical Engineering Department, Faculty of Engineering, Ferdowsi University of Mashhad (FUM), Mashhad, Iran)

New Schedule and sesión:

Room and situation: Andalucia 6+7, Floor 0 (above Atrio III)

Session and Chair(s): C. & Scale Inhibition (WP1)/Chairs: Schmitt, Hater.

Presentation time: 14:20:00 PM

Abstract ID and Title: 208308, Grape peel extracts as eco-friendly Corrosion Inhibitors

Presenting author: Janaina C. Rocha

Authors: Janaina C. Rocha (Federal University of Rio de Janeiro, Rio de Janeiro, Brazil) / Luana B. Furtado (Departamento de Processos Orgânicos, UFRJ, Rio de Janeiro, Brazil) / José Antônio da Cunha Ponciano Gomes (Departamento de Engenharia Metalúrgica e de Materiais, COPPEUFRJ, Rio de Janeiro, Brazil) / Rafaela C. Nascimento (Universidade de Évora-Portugal , Évora, Portugal) / Renata Valeriano Tonon (Embrapa Agroindústria de

Alimentos, Rio de Janeiro, Brazil) / Lourdes Maria C. Cabral (Embrapa Agroindústria de Alimentos, Rio de Janeiro, Brazil) / Gabriela Nunes Mattos (Programa de Pós-Graduação em Ciência de Alimentos (Instituto de Química) da UFRJ, Rio de Janeiro, Brazil) / Peter R. Seidl (Departamento de Processos Orgânicos, UFRJ, Rio de Janeiro, Brazil) / Maria Jose De Oliveira C. Guimaraes (Departamento de Processos Orgânicos, UFRJ, Rio de Janeiro, Brazil)

New Schedule, Session and authors updated:

Room and situation: Cartuja (Floor -1 / Floor 0 (Between Atrio III and Atrio I))

Session and Chair(s): C. in Oil & Gas Production (WP13)/Chair: Winning.

Presentation time: 16:50:00 PM

Abstract ID and Title: 225204, Metals, Deposits and Microbes: Advancing the understanding and management of internal under-deposit corrosion (UDC) of pipelines

Presenting author: Laura L. Machuca

Authors: Laura L. Machuca (Curtin University, Perth, Australia) / Katerina Lepkova (Curtin University, Perth, Australia) / Erika M. Suarez (Curtin University, Perth, Australia)

So, WP10 Meeting is at 5:00:00 PM

New Presenting author:

Room and situation: Cartuja, Floor -1 / Floor 0 (between Atrio III and Atrio I)

Session and Chair(s): Microbial Corrosion (WP10)/Chair: Cristiani.

Presentation time: 2:20:00 PM

Abstract ID and Title: 224489, Effect of cultivation conditions on the electrochemical activity of metal reducing bacteria (MRB) on stainless steel surfaces

Presenting author: Nina Wurzler

Authors: Nina Wurzler (Federal Institute for Materials Research and Testing (BAM), Berlin) / Biwen An (Federal Institute for Materials Research and Testing, Berlin) / Andrea Koerdt (Federal Institute for Materials Research and Testing, Berlin) / Ozlem Ozcan (Federal Institute for Materials Research and Testing, Berlin)

New chair:

Nuclear Corrosion (WP4)

Session: 11:45 - 13:05

Chair: R. Holmes

Nuclear Corrosion (WP4)

Session: 14:00 - 14:20

Chair: T. Prosek, F. Rouillard

Organic Coatings (WP14)

Session: 14:00 - 14:20 and 15:50 – 17:10

Chair: J. Tedim, P. Keil

Abstracts canceled:

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Organic Coatings/Chair: M. Ferreira, P. Keil.

Presentation time: 4:50:00 PM

Abstract ID and Title: 214215, Corrosion Prevention Properties of TiO₂/PVB-PANI/PVB Hybrid Coating on Stainless Steel

Presenting author: Junlei Tang

Authors: Junlei Tang (Southwest Petroleum University, Chengdu, China PR)

Room and situation: Andalucia 6+7, Floor 0 (above Atrio III)

Session and Chair(s): C. & Scale Inhibition (WP1)/Chair: Schmitt, Hater.

Presentation time: 2:20:00 PM

Abstract ID and Title: 225149, Zeolite Film for Metal Protection against Acidic and Salt Corrosion

Presenting author: Tseng-Chang Tsai

Authors: Tseng-Chang Tsai (University of Kaohsiung, Kaohsiung, Taiwan) / Shang-Tien Tsai (Hawing GemS Technology Corporation, Taichung, Taiwan) / WenChyuan ChangJean (Hawing GemS Technology Corporation, Taichung, Taiwan) / Shang-Bin Liu (Hawing GemS Technology Corporation, Taichung, Taiwan)

Room and situation: Andalucia 8, Floor 0 (above Atrio III)

Session and Chair(s): Environment Sensitive Fracture (WP5)/Chair: K. Wolski, H. Sarmiento-Klapper.

Presentation time: 4:10:00 PM

Abstract ID and Title: 209287, Multi-scale study of the hydrogen embrittlement susceptibility of nickel-based superalloys

Presenting author: Xu Lu

Authors: Xu Lu (NTNU University, Trondheim, Norway) / Dong Wang (NTNU University, Trondheim, Norway) / Afroz Barnoush (NTNU University, Trondheim, Norway)

Thursday, September 12, 2019

New Schedule:

Room and situation: Andalucia 8, Floor 0 (above Atrio III)

Session and Chair(s): Environment Sensitive Fracture (WP5)/Chair: G. Mori, C. Bosch.

Presentation time: 10:15:00 AM

Abstract ID and Title: 186880, The role of microstructural anisotropy in hydrogen induced stress corrosion cracking of direct-quenched martensitic steel

Presenting author: Renata Latypova

Authors: Renata Latypova (University of Oulu, Oulu, Finland) / Sakari Pallaspuuro (University of Oulu, Oulu, Finland) / Tun Tun Nyo (University of Oulu, Oulu, Finland) / Saara Mehtonen (SSAB Europe, Raahе, Finland) / Hannu Hänninen (Aalto University, Espoo, Finland) / Jukka Kömi (University of Oulu, Oulu, Finland)

New Paper:

Room and situation: Andalucia 3, Floor 0 (Above Atrio III)

Session and Chair(s): JS Coatings for High Temperatures (WP3+14)

Presentation time: 2:00:00 PM

Abstract ID and Title: 239823, Dynamic and Static high temperature corrosion tests in molten salts ins storage systems in CSP-Concentrated Solar Power Plants Desired

Presenting author: Francisco Javier Pérez Trujillo

Authors: Francisco Javier Pérez Trujillo (Universidad Complutense de Madrid, Madrid, Spain) / Isabel Lasanta (Universidad Complutense, Madrid, Spain) / Gustavo Garcia (Universidad Complutense, Madrid, Spain) / Maria Teresa De Miguel (Universidad Complutense de Madrid, Madrid, Spain) / Andrea Illana (Universidad Complutense, Madrid, Spain)

So, WP3 Meeting is at 2:20:00 PM

Room and situation: España 4+5, Floor -1 (Atrio III)

Session and Chair(s): C. Mechanisms, Methods & Modelling (WP6+8)/Chair: Milosev, Kokalj.

Presentation time: 12:45:00 PM

Abstract ID and Title: 220166, Design and evaluation of an accelerated laboratory cycling test tailored for the screening of protective systems for an aggressive marine environment

Presenting author: Maria Angeles Arenas Vara

Authors: Maria Angeles Arenas Vara (Centro Nacional de Investigaciones Metalurgicas, Madrid, Spain) / Paulino Aparicio (RED ELECTRICA De ESPAÑA, S.A. , Madrid , Spain) / Juan J. de Damborenea (National Center for Metallurgical Research, CENIM/CSIC, Madrid , Spain) / José Francisco Tubino (RED ELECTRICA De ESPAÑA, S.A., Madrid , Spain) / Ana Conde (National Center for Metallurgical Research, CENIM/CSIC, Madrid , Spain) / Miguel Lorenzo (RED ELECTRICA DE ESPAÑA S.A., Madrid, Spain) / Raquel Lara (RED ELECTRICA DE ESPAÑA, REE, S.A., Madrid, Spain) / Raul Hidalgo (RED ELECTRICA DE ESPAÑA, REE, S.A. , Madrid , Spain) / Ignacio Garcia (National Center for Metallurgical Research, CENIM/CSIC, Madrid, Spain)

New chair:

JS Atmospheric EAC (WP5+17+22+TF)

Session: 14:00 - 15:20

Chair: Wolsk

Friday, September 13, 2019

New Schedule:

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Inorganic Coatings (WP14)/Chair: W. Fürbeth, R. Novoa.

Presentation time: 12:45:00 PM

Abstract ID and Title: 227668, ALD films deposited on metallic substrates for corrosion protection

Presenting author: Marco Oliveira

Authors: Marco Oliveira (University of Aveiro, Aveiro, Portugal) / Tiago Silva (University of Aveiro, Aveiro, Portugal) / Ricardo Silva (University of Aveiro, Aveiro, Portugal) / Kiryl Yasakau (University of Aveiro, University of Aveiro, Portugal) / Alexandre Bastos (University of Aveiro, University of Aveiro, Portugal) / Silvar Kallip (University of , Tartu, Estonia) / Augusto Lopes (University of Aveiro, University of Aveiro, Portugal) / Rui Silva (University of Aveiro, Aveiro, Portugal) / Mikhail Zheludkevich (Helmholtz-Zentrum Geesthacht , Geesthacht) / Mário Ferreira (University of Aveiro, Aveiro, Portugal)

Room and situation: Sevilla 1, Floor 0 (foyer)

Session and Chair(s): Metallic Coatings (WP14)/Chair: R. Feser , M. Lekka.

Presentation time: 17:30:00 PM

Abstract ID and Title: 214468, Nickel release from nanocrystalline nickel and its alloys in artificial sweat solution

Presenting author: Matilda Zemanova

Authors: Matilda Zemanova (Slovak University of Technology, Bratislava, Slovakia) / Jakub Druga (Slovak University of Technology, Bratislava, Slovakia) / Maroš Ábel (Slovak University of Technology, Bratislava, Slovakia) / Edmund Dobročka (Slovak Academy of Sciences, Bratislava, Slovakia) / Marek Bujdoš (Comenius University in Bratislava, Bratislava, Slovakia)

Room and situation: Andalucia 6+7, Floor 0 (above Atrio III)

Session and Chair(s): Self-healing and Smart Coatings (WP14) /Chair: S. Garcia, R. Souto.

Presentation time: 10:35:00 PM

Abstract ID and Title: 202423, pH sensitive carriers loaded with corrosion inhibitors for protection of epoxy coated steel for marine applications

Presenting author: Roma Raj

Authors: Roma Raj (Instituto Superior Técnico, Lisbon, Portugal) / Yegor Morozov (Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa, Lisbon, Portugal) / Lénia M. Calado (Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa, Lisbon, Portugal) / Maryna Taryba (Centro de Química Estrutural, Instituto Superior Técnico, Universidade de Lisboa, Lisbon, Portugal) / Ramazan Kahraman (Department of Chemical Engineering, Qatar University, Doha, Qatar) / Abdul Shakoor (Center for Advanced Materials, Qatar University, Doha, Qatar) / Fatima Montemor (Centro de Química Estrutural, Instituto Superior Técnico, Lisbon, Portugal)

Room and situation: Andalucia 8, Floor 0 (above Atrio III)

Session and Chair(s): Environment Sensitive Fracture (WP5)/Chair: C. Bosch, A. Oudriss.

Presentation time: 10:15:00 AM

Abstract ID and Title: 206207, On the corrosion fatigue mechanism in welded and unwelded duplex stainless steels during very high numbers of load cycles

Presenting author: Jan-Stefan Peters

Authors: Jan-Stefan Peters (Institute of Materials Design and Structural Integrity, University of Applied Sciences Osnabrück, Osnabrück) / Alexander Giertler (Institute of Materials Design and Structural Integrity, University of Applied Sciences Osnabrück, Osnabrück) / Javad Mola (Institute of Materials Design and Structural Integrity, University of Applied Sciences Osnabrück, Osnabrück) / Rainer Peters (Institute of Materials Design and Structural Integrity, University of Applied Sciences Osnabrück, Osnabrück) / Angela Hamann-Steinmeier (Institute of Process Engineering, University of Applied Sciences Osnabrück, Osnabrück) / Ulrich Krupp (Steel Institute (IEHK), RWTH Aachen University, Aachen)

New Presenting author:

Room and situation: Andalucia 5, Floor 0 (above Atrio III)

Session and Chair(s): WS: Durability of Photovoltaic Modules/Chair: Lincot, Volovitch.

Presentation time: 12:05:00 PM

Abstract ID and Title: 194195, Ambient degradation of photovoltaic absorbers: the specific case of Cu(In,Ga)Se₂

Presenting author: Solène Béchu

Authors: Solene Bechu (IPVF, Palaiseau, France) / Anais Loubat (ILV, Versailles, France) / Jackie Vigneron (ILV, Versailles, France) / Daniel Lincot (CNRS-IPVF, Palaiseau, France) / Jean-Francois Guillemoles (CNRS-IPVF, Palaiseau, France) / Muriel Bouttemy (ILV, Versailles, France) / Arnaud Etcheberry (ILV, Versailles, France)

New chair:

JS Atmospheric EAC (WP5+17+22+TF)

Session: 10:15 - 11:15

Chair: T. Hack

JS Atmospheric EAC (WP5+17+22+TF)

Session: 11:45 - 13:25

Chair: E.Szala

Abstracts canceled:

Room and situation: Andalucia 6+7, Floor 0 (above Atrio III)

Session and Chair(s): Self-healing and Smart Coatings (WP14)/Chair: S. Garcia, R. Souto.

Presentation time: 10:35:00 AM

Abstract ID and Title: 213940, A smart anti-corrosion ethyl cellulose based coating with the CO₂-responsive property

Presenting author: Junlei Tang

Authors: Junlei Tang (Southwest Petroleum University, Chengdu, China PR)

Poster Programme (New posters)

Poster number: P-126

Session: Corrosion mechanisms, methods and modelling (3M, WP6 & 8)

Abstract ID and Title: 207054, Alternating current corrosion of aluminum - influence of frequency, amplitude and waveform

Presenting author: Julien Oltze

Authors: Julien Oltze (Fachhochschule Südwestfalen, University of Applied Sciences, Laboratory for corrosion protection, Iserlohn, Iserlohn) / Ralf Feser (Fachhochschule Südwestfalen, University of Applied Sciences, Laboratory for corrosion protection, Iserlohn, Iserlohn)

Poster number: P-222

Session: Marine Corrosion (WP9)

Abstract ID and Title: 199255, Evaluation of Corrosion Effects on Nickel-Aluminium Bronze (NAB) and Manganese-Aluminium Bronze (MAB) in Artificial Fresh and Sea Water

Presenting author: Ignacio Cobo

Authors: Ignacio Cobo (Fundación Leading Innova / University of Cantabria, San Felices de Buelna, Cantabria / Santander, Cantabria, Spain) / Julia Böhm (Technische Universität Wien, Vienna, Austria) / Roland Haubner (Technische Universität Wien, Vienna, Austria) / Paul Linhardt (Technische Universität Wien, Vienna, Austria) / María Victoria Biezma (University of Cantabria, Santander, Spain)

Poster number: P-223

Session: Corrosion in Oil & Gas Production (WP13)

Abstract ID and Title: 231386, ASSESSMENT OF WELDABILITY AND CORROSION RESISTANCE OF AN API5LX80MS STEEL USING PHYSICAL SIMULATION

Presenting author: Mariana Olivera

Authors: Mariana Oliveira (Federal University of Rio de Janeiro, Rio de Janeiro, Brazil) / José Ponciano (Federal University of Rio de Janeiro, Rio de Janeiro, Brazil) / Leonardo Carvalho (Petrobras, Rio de Janeiro, Brazil) / João Payão (Federal University of Rio de Janeiro, Rio de Janeiro, Brazil)

Poster number: P-224

Session: Microbial Corrosion (WP10)

Abstract ID and Title: 183382, Design and development rapid detection techniques for marine corrosive bacteria

Presenting author: Peng Qi

Authors: Peng Qi (Institute of Oceanology, Chinese Academy of Sciences; 2) Open studio for marine Corrosion and Protection, Qingdao National Laboratory for Marine Science and Technology, Qingdao, China PR) / Dun Zhang (Institute of Oceanology, Chinese Academy of Sciences; 2) Open studio for marine Corrosion and Protection, Qingdao National Laboratory for Marine Science and Technology, Qingdao, China PR)

Poster number: P-225

Session: Polymers in Organic Coatings (WP14 + WP19)

Abstract ID and Title: 204898, Electrochemical functionalization of AISI 304 stainless steel coupons with poly-aminoindoles: A comparative study of the electrochemical technique towards the polymer deposition and their performance against corrosion

Presenting author: Ignacio Vargas

Authors: Camila Canales (Pontificia Universidad Católica de Chile, Santiago de Chile, Chile) / Francisco Armijo (Pontificia Universidad Católica de Chile, Santiago, Chile) / Magdalena Walczak (Pontificia Universidad Católica de Chile, Santiago, Chile) / Rodrigo de la Iglesia (Pontificia Universidad Católica de Chile, Santiago, Chile) / Gonzalo Pizarro (Pontificia Universidad Católica de Chile, Santiago, Chile) / Ignacio Vargas (Pontificia Universidad Católica de Chile, Santiago, Chile)

Poster number: P-226

Session: Automotive Corrosion (WP17)

Abstract ID and Title: 234774, Effect of microstructure and strain characteristics on hydrogen delayed cracking of high strength steel for automotive

Presenting author: Hye-Jin Kim

Authors: Hye-Jin Kim (Hyundai Steel Company, Danjin-Si, Chungnam, Korea, South) / Seung-Pill Jung (Hyundai Steel Company, Danjin-Si, Chungnam, Korea, South) / Hyun-Yeong Jung (Hyundai Steel Company, Dang-jin Si, Chungnam, Korea, South) / Jin-Ho Lee (Hyundai Steel Company, Dangjin-Si, Chungnam, Korea, South) / Tae-Woo Kwon (Hyundai Steel Company, Dang-jin Si, Chungnam, Korea, South)

Poster canceled:

Poster number: P-080

Session: Corrosion in Oil & Gas Production (WP13)

Abstract ID and Title: 173724, Relationship between corrosion resistance of heat shrinkable sleeves (HSS) and different degrees of polyethylenes electron beam crosslinking-A case study

Presenting author: Saied Akhondnasab

Authors: Saied Akhondnasab (National Iranian Gas Company, Tehran, Iran) / Parvin Pourvosoughi Srcheshmeh (Metaco Metallurgical Center (Chemical Engineer), Tehran, Iran)

Poster number: P-081

Session: Corrosion in Oil & Gas Production (WP13)

Abstract ID and Title: 173966, A Case Study on Applying of FBE On the internal of a natural gas pipeline as a Flow efficiency coating

Presenting author: Saied Akhondnasab

Authors: Saied Akhondnasab (National Iranian Gas Company, Tehran, Iran) / Parvin Pourvosoughi Sarcheshmeh (Chemical engineer, Tehran, Iran)

Poster number: P-082

Session: Corrosion in Oil & Gas Production (WP13)

Abstract ID and Title: 175066, A case study on corrosion control of sour gas pipeline and relevant pigging schedule

Presenting author: Saied Akhondnasab

Authors: Saied Akhondnasab (National Iranian Gas Company, Tehran, Iran) / PARVIN pourvosoughi sarcheshmeh (chemical engineer, Tehran, Iran)

Changed to oral presentation:

Poster number: P-134

Session: Corrosion mechanisms, methods and modelling (3M, WP6 & 8)

Abstract ID and Title: 220166, Design and evaluation of an accelerated laboratory cycling test tailored for the screening of protective systems for an aggressive marine environment

Presenting author: Maria Angeles Arenas Vara

Authors: Maria Angeles Arenas Vara (Centro Nacional de Investigaciones Metalurgicas, Madrid, Spain) / Paulino Aparicio (RED ELECTRICA De ESPAÑA, S.A. , Madrid , Spain) / Juan J. de Damborenea (National Center for Metallurgical Research, CENIM/CSIC, Madrid , Spain) / José Francisco Tubino (RED ELECTRICA De ESPAÑA, S.A., Madrid , Spain) / Ana Conde (National Center for Metallurgical Research, CENIM/CSIC, Madrid , Spain) / Miguel Lorenzo (RED ELECTRICA DE ESPAÑA S.A., Madrid, Spain) / Raquel Lara (RED ELECTRICA DE ESPAÑA, REE, S.A., Madrid, Spain) / Raul Hidalgo (RED ELECTRICA DE ESPAÑA, REE, S.A. , Madrid , Spain) / Ignacio Garcia (National Center for Metallurgical Research, CENIM/CSIC, Madrid, Spain)