

**2nd INTERNATIONAL CONFERENCE
CORROSION AND MATERIAL PROTECTION**

Conference Program

Monday 19.4. 2010		
10:00 – 13:00	Registration	
13:00 – 13:10	Opening	
13:10 – 13:50	Invited Lecture – Michael Schütze President of WCO	Advanced Corrosion Protection Concepts in High Temperature Technology
13:50 – 14:10	Dirk Lars Engelberg	Characterisation of the Sensitisation Behaviour of Thermo-mechanically Processed Type 304 Austenitic Stainless Steel Using DL-EPR Testing and Image Analysis Methods
14:10-14:30	Kashkovskiy R.V.	Influence of Volatile Inhibitors Chemical Structure on Braking of Hydrogen Sulfide Corrosion in Vapour Phase
14:30 – 14:50	Zbigniew Grzesik	High Temperature Corrosion of Valve Steels Utilized in Diesel Engines under Thermal Shock Conditions
14:50 – 15:10	Yon-Kyun Song	Corrosion Behavior of Metals (Al, Fe, Zn) in Alternative Fuels using
15:10 – 15:25	Cofee break	
15:25 – 16:05	Invited Lecture – Antoine Pourbaix	Continuing Problème with Buried Pipelines
16:05- 16: 25	Paolo Marcassoli	Corrosion Rate Assesment in a Geothermal Water Conveying System
16:25 – 16:45	Gerardo Zavala Olivares	Integral Diagnostic in the Failure Causes of External Corrosion of a Natural Gas Transport Pipeline
16:45 – 17:05	Asghar Laderian	Evaluation of Non-Newtonian oil based fluid in reduction of pipe corrosion in
17:05 – 17:25	Sergey Leonidovich Sinebryukhov	Research of Corrosion Process by Localised Electrochemical Impedance Spectroscopy
19:00 – 21:00	Welcome party	

Tuesday 20.4. 2010

8:30 -9:10	Invited Lecture – Philippe Marcus	Modelling and Simulation of Corrosion at the Nanoscale: the Added Value to Experiments
9:10 – 9:30	Tatina Montemor	Corrosion Inhibition Ability of Sol-Gel Coatings Modified with Nanoadditives Doped with Corrosion Inhibitors on AA2024
9:30 -9:50	B. Shyamala Devi	Influence of Henna extract on the Inhibition efficiency of Trisodium citrate – Zn ²⁺ System
9:50 – 10:10	Dessislava Atanassova Koleva	Impedance Spectroscopy and Surface Analysis of Nano-composite Galvanic Coatings
10:10 – 10:30	Cofee break	
10:30 – 11:10	Invited Lecture – Pier Luigi Bonora	Composite Galvanic Coatings for Protection against Corrosion-Erosion
11:10- 11:30	Véronique Vitry	Effect of Wear and Heat Treatments on the Corrosion Resistance of Electroless Nickel-Boron Coated Mild Steel
11:30 – 11:50	Alexandra Smarandita Maria Wittmar	The Effect of Pr Ions Additions to the Corrosion Protection Offered by a Ce Doped Hybrid Coating on AA2024 Aluminium Alloy
11:50 – 12:10	Iryna Voloshchuk	Hydrogen Evolution and Entry into Iron with a Zirconia Sol-Gel Coating
12:10 – 12:30	Sandra Le Manchet	Impact of an Environmentally Friendly Surface Treatment on Corrosion Properties of Polymer-Coated Galvanized Steel
12:30 – 12:50	Sara Lloyd David Penney	The Effect of Coating Weight on Surface Corrosion Resistance of 4.5% Al 95.5 % Zn Alloy Galvanised Coatings
12:50 – 14:00	Meal break	
14:00 – 14:40	Invited Lecture – Paul McIntyre	Lifetime Management of Material Service in the UK
14:40 – 15:00	Manuel Prohaska	Application of the DL-EPR – Method for Detecting Sensitization to Intergranular Corrosion in Three Thermomechanically Rolled Corrosion-Resistant Alloys (316L, 926L and 825L) Used as Clad Materials in Oil and Gas Industry
15:00 – 15:20	Ainhua Altube	Electrochemical Corrosion Behaviour of Zn/Al Lamella Coatings Applied to Steel
15:20 – 15:40	Matilda Zemanová	Potentiodynamic Polarization of Zn Electrodeposited Coatings
15:40 – 16:00	Cofee break	
16:00 – 16:40	Invited Lecture – Thomas Ladwein	Microelectrochemical Techniques for Corrosion Investigation and the Application for EPR Measurements
16:40 – 17:00	Dessislava Atanassova Koleva	Corrosion and CP in Reinforced Concrete: The Importance of a Multidisciplinary Approach for Proper Assessment of Involved Phenomena.
17:00 – 17:20	Roux Sebastien	EPS 180 for Concrete Reinforcement's Inhibition of Corrosion
17:20 – 17:40	Fátina Montemor	The Passive Behaviour of AISI 316 in Alkaline Media and the Effect of pH. A Combined Electrochemical and Analytical Study
19:00:00	Sightseeing trip around Prague city	

Wednesday 21.4. 2010

8:30 – 9:10	Invited Lecture – Roland Oltra	Modelling Challenges in Localized Corrosion
9:10 – 9:30	Benoit Gwinner	On the Corrosion Behavior of Martensitic/Ferritic Steels in Nitric Media
9:30 -9:50	Silvio Koehler	Corrosion Behavior of Aluminum Materials in Aqueous Cleaning Solutions
9:50 – 10:10	Maros Halama	Corrosion Monitoring of Al – Zn Alloy Coated Steels Using ENA
10:10 – 10:30	Coffee break	
10:30 – 11:10	Invited Lecture – Alan Turnbull	Evaluation of Inhibitors for Controlling Underdeposit Corrosion Using the Coupled Multi-Electrode Technique
11:10- 11:30	Yulia Zimina	Oxidation of AD-31 Aluminium Alloy in Permanganate Converting Solutions
11:30 – 11:50	Fouad Atmani	Mild Steel Corrosion in Chloride Environment: Effect of Surface Preparation and Influence of Inorganic Inhibitors
11:50 – 12:10	Jacques Stolarz	Microstructural and Mechanical Factors of Exfoliation Corrosion in Aluminum Alloys
12:10 – 12:30	Yakov Unigovski	Low-Cycle Corrosion Fatigue of Stainless Steel
12:30 – 12:50	Sina Jamali	Novel Set-up for Application of Electrochemical Noise Measurement (ENM) on Protective Coatings
12:50 -14:00	Meal break	
14:00 – 14:40	Invited Lecture – Maria Jaik-Czachor	Application of Corrosion and Degradation Processes in Functionalization of New Materials
14:40 – 15:00	D. Knotková	Atmospheric Corrosivity Classification and Long Term Exposure Programmes
15:00 – 15:20	K.Kreislova	Corrosion Behaviour of Weathering Steels in the Czech Republic
15:20 – 15:40	Liudmila Tsygankova	New Conservation Materials on Base of Colza Oil for the Steel Protection Against Atmospheric Corrosion
15:40 – 16:00	Coffee break	
16:00 – 16:40	Invited Lecture –Judit Telegdi	Nanolayers against Corrosion and Microbial Adhesion
16:40 – 17:00	Delaunois Fabienne	Corrosion and Biocorrosion of Galvanized Steel Tubes Used in Water Distribution Systems
17:00 – 17:20	Amir P. F. Tabrizi	The Study of Corrosion Effect of Pseudomonas Aeruginosa on Fe, Cu and Ni Metal Surfaces by EQCM
19:00:00	Gala Dinner	

Thursday 22.4.2010

8:30 – 9:10	Invited Lecture – Damien Féron	Corrosion Challenges in Nuclear Industry
9:10 – 9:30	Stella Babayan	Experimental Results of Oxygen Sensors Tests in Stagnant and Flowing Lead-Bismuth Eutectic
9:30 – 9:50	M. Březina, L. Kupča	Corrosion Monitoring Systéme in the Slovak Republic Nuclear Power Plants
9:50 – 10:10	Nabil M Hamdy	Corrosion Prevention and Control Strategies
10:10 – 10:30	Cofee break	
10:30 – 10:50	M.Mahdavian	Corrosion Inhibition Activity of Some Azole Compounds in a Phosphoric Acid Pickling Solution
10:50 – 11:10	A. Roguska	Effect of Titania on Adsorbate-Substrate Interactions in Composite Ag (or Cu)/TiO ₂ Nanotubes/Ti
11:10 – 11:30	Yunpeng Fan	The Study and Application of AW-01 Flow Efficiency Coating
11:30 – 11:50	J.Przondziono	Prediction of Mechanical and Corrosive Properties of Guide Wire Used in Endourology
11:50 – 12:10	Sergey Vasilievich Gnedenkov	Anticorrosion Surface Layers Formed by Plasma Electrolytic Oxidation Metod on the Surface of Metals and Alloys
14:00	Half day trip	