

THURSDAY 24th MAY, 2018

	Presenter	Title	Affiliation	Person	Title	Affiliation
9.00-9:45	Intro + Keynote					
	Metallurgy: Microstructure and microalloying change corrosion properties					
9:45-10:05	Christofer Leygraf	Computational Studies of Micro-Galvanic Corrosion in Al-Alloys	KTH Royal Institute of Technology, Sweden			
10:05-10:25	Giorgio Giovanni Battista Zaffaroni	Microstructural and Corrosion Issues of High Frequency Welded Aluminium Tubes	DTU Mechanical Engineering, Denmark			
10:25-10:50				Break		
10:50-11:10	Min Liu	DFT Calculations of Adsorption Of H ₂ O, OH and Cl on Aluminum and Intermetallic Phases and Effect on Surface Properties	KTH Royal Institute of Technology, Sweden			
11:10-11:30	A. Al-Hashem	The Effect of UNS A96061 Alloy Microstructure on its Cavitation Erosion Behavior in Seawater	Kuwait Institute for Scientific Research			
11:30-11:50	Elisa Isotahdon	Corrosion Behaviour of Sintered Nd-Fe-B Magnets - Summary of Studies on Mechanism, Losses and Protection	VTT Technical Research Centre of Finland			
	Stainless steel as corrosion resistant alloy					
11:50-12:10	Jan Heselmans	Hydrochloric Acid Stress Corrosion Cracking in Indoor Swimming Pools	Ironhaven BV, The Netherlands			
12:10-13:10				Lunch + posters		
13:10-13:30	Jan Elkjær Frantsen	Safety Window for Corrosion Evaluation of Disinfection Agents	Force Technology, Denmark	Corrosion in Electronics and Dewpoint Corrosion		
13:30-13:50	Arman Dastpak	Lignin as a coating for improved corrosion resistance of 316L stainless steel	Aalto University, Finland	Morten Jellesen	Effect of Humidity on Conformal Coatings used for Protection of Electronics	DTU Mechanical Engineering, Denmark
13:50-14:10	Uffe Ditlev Bihlet	Corrosion resistance of surface finished 3D printed AISI 316L stainless steel	Force Technology, Denmark	Salil Joshy	Humidity accumulation inside electronic enclosures	DTU Mechanical Engineering, Denmark
14:10-14:30	Cristian Torres	Effect of Tungsten on the Critical Crevice Temperature of 25Cr Duplex Stainless Steel in Seawater	NTNU, Norway	Kamila Piotrowska	Water Film Formation on PCBA Surfaces - A factor contributing to premature failures in electronics	DTU Mechanical Engineering, Denmark
14:30-14:50	Carl-Johan Högberg	Cathodic protection effective against microbiologically induced corrosion	Swerea KIMAB, Sweden	Abhijeet Yadav	Corrosion Induced Failure Mechanism of Hearing Aid Electronic Circuitry and Battery Contacts	DTU Mechanical Engineering, Denmark
14:50-15:10				Feng Li	Corrosion Reliability Of Lead-Free Solder Systems Used In Electronics	DTU Mechanical Engineering, Denmark
15:10-15:30	Roy Johnsen	Effect of cathodic polarisation on the corrosion properties of 25Cr duplex stainless steel in seawater.	NTNU, Norway	Break		
15:30-15:50	Olof Forsén	The Effect Of Hydrogen On High-Strength Steels During Pickling	Aalto University, Finland	Emil Vainio	Corrosion Caused by Deliquescent Deposits in Biomass Conversion	Åbo Akademi University, Finland
15:50-16:10	Roy Johnsen	Cathodic protection by distributed sacrificial anodes	NTNU, Norway	Peiyuan Pan	Corrosion caused by deposits in the flue gas cleaning system in biomass and coal-fired power plants	DTU Mechanical Engineering, Denmark
16:10-16:30	Xavier Hallopeau	Case Study Analysis of Wharf Repair Projects	Freyssinet International & Cie, France	High Temperature Corrosion in Thermal Power Production		
16:30-18:00				Elisa Hupa	Experimental Methods for Determining very Low Melt Fractions in Corrosive Biomass Ashes	Åbo Akademi University, Finland
18:15				Yohanes Chekol Malede	KCl-induced corrosion of Cr-rich phases	DTU Mechanical Engineering, Denmark
				Break and poster session		
				Conference Dinner		

FRIDAY 25th MAY, 2018

Corrosion challenges in Oil & gas industry						
9:00-9:20	Yan Yang	Morphology and characteristics of iron corrosion scales formed under different depth of oil wellbore in Dan oilfield	DTU Mechanical Engineering, Denmark	Melanie Montgomery	High Temperature Fireside Corrosion Of Lean Austenitic Steels In Power Plants With Different Fuels	DTU Mechanical Engineering, Denmark
9:20-9:40	Rolf Nyborg	Top of Line Corrosion in Gas Pipelines with Organic Acid and Low CO ₂	Institute for Energy Technology, Norway	Niketan S. Patel	High-Temperature Oxidation and Corrosion Study of Nimonic 80A in Molten Fluoride Salts	Slovak Academy of Sciences, Slovakia
Corrosion Issues in the Geothermal Industry						
9:40-10:00	Tor Hemmingsen	Electrochemical Oxygen Removal from Seawater	University of Stavanger, Norway	Andri Isak Thorhallsson	Corrosion Prevention in Hot Water Storage Tanks	University of Iceland, Iceland
10:00-10:20	Riccardo Rizzo	Experimental investigation on the effect of seawater ingress on the corrosion behavior of production tubings	DTU Mechanical Engineering, Denmark	Troels Mathiesen	Corrosion of Carbon Steel in Aggressive Geothermal Brines	Force Technology, Denmark
Break						
10:20-10:40	Kristian Eriksen	Welding of CRA with insufficient purging gas - Impact on mechanical properties and corrosion resistance	Aker BP, Stavanger, Norway	Ricardo Losada	High Performance Coatings for the Geothermal Industry	Danish Technological Institute, Denmark
Microbiologically influenced corrosion in oil & gas systems						
11:00-11:20	Faisal Khan	Microbiologically Influenced Corrosion in Oil and Gas Facilities: Failure Analysis	Memorial University of Newfoundland, Canada	Andri Isak Thorhallsson	Corrosion Testing in Simulated High Temperature Environment	University of Iceland, Iceland
11:20-11:40	Steffen Larsen Aggerholm	Evaluation of microbial influenced corrosion (MIC) rates in oil and gas pipelines	DTI Oil & Gas, Denmark	Sigrún Nanna Karlsdóttir	Erosion-Corrosion Testing of Coatings for Geothermal Turbines	University of Iceland, Iceland
11:40-12:00	Torben Lund Skovhus	Recent Developments in Prediction and Modelling of Microbiologically Influenced Corrosion in the Oil and Gas Industry	VIA University College, Denmark	Elisa Isotahdon	Tribocorrosion behaviour of Co-Cr-W alloy	VTT Technical Research Centre of Finland
Lunch + posters						
12:00-13:00	Novel and advanced techniques for corrosion assessment					
13:00-13:20	Jinshan Pan	Passivity breakdown of advanced alloys – studied by electrochemical and synchrotron-based techniques	KTH Royal Institute of Technology, Sweden			
13:20-13:40	Konsta Sipilä	Application of Controlled-Distance Electrochemistry-Arrangement on Electrochemical Impedance Spectroscopy Measurements in Low Conducting Electrolyte	VTT Technical Research Centre of Finland			
13:40-14:00	Nina Bruun	A Laboratory Method to Determine the Corrosion of Metals in Contact with Bio-Oils	Åbo Akademi University, Finland			
14:00-14:20	Fan Zhang	In-situ and operando studies of anodization of AA7075 by electrochemical AFM, electrochemical impedance spectroscopy and x-ray reflectivity	KTH Royal Institute of Technology, Sweden			
14:20-14:40	Cem Örnek	Towards Understanding of Localised Corrosion of AAG063-T5 Aluminium Alloy – A Correlative Study Using SKFPM and In-situ AFM	KTH Royal Institute of Technology, Sweden			
Closing remarks						
14:40-15:00						