

**The 28<sup>th</sup> Annual Conference  
Corrosion Problems in Industry  
14-17 December 2009  
Ramada Hotel, Ras - Sudr, Egypt**

## **CORROSION CHALLENGES IN INDUSTRY**

December 14-17, 2009  
Ramada Hotel, Ras Sudr , Egypt

### **Final Programme**

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**Egyptian Corrosion Society ( ECS )**  
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**First Day**

**Monday, Dec.14, 2009**

**12:00**            Registration  
**13:00**            Light Lunch

**Opening Session  
13.15 – 13.45**

**Prof. I.Z. Selim**

Conference Secretary General.

**Prof. A.A. Abdul Azim**

Chairman of ECS

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**Session I : 13.45 - 14.30**  
**Chairman : Prof .A.A . El Hosary**

**13.45 – 14.30** The Challenges of Aging Pipeline Infrastructure  
**Mimoun Elboujdaini**  
CANMET Materials Technology Laboratory Natural  
Resources Canada, Ontario, ..... **Canada**

**Session II: 16:00 – 18:00**  
**Chairman : Prof . M.M. EL Sabbah**

**16:00 - 16.30** Corrosion Behaviour of Electropolished Stainless Steel  
Type 304 Used in Food Industry  
**Pawel Lochynski**  
Institute of Inorganic Technology and Mineral Fertilizers,  
Faculty of Chemistry, Wroclaw University of Technology, ... **Poland**

**16.30 – 17:00** Electrochemical Impedance Study of Magnesium and  
Titanium Alloys in Simulated Body Fluid  
**Rabab M. El- Sherif**  
Faculty of Science, Chemistry Department , Cairo University, ... **Egypt**

**17:00 – 17.30 COFFEE BREAK**

**17.30 – 18:00** The Effect of Increasing Acid Gas Content in the Feed Gas  
(Case Study)  
**Abd El- Rahman Zeid**  
Sidi Kerir Petrochemicals Co. .... **Egypt**

**18:00 – 19:00 POSTERS ( 1 – 6 )**

**19:00 DINNER**

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**Second Day**

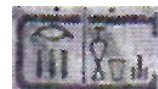
**Tuesday, Dec 15, 2009**

**Session III : 9:00 – 11:00**  
**Chairman : Prof. Mimoun Elboujdaini**

- 9:00 – 9.45** Understanding, Estimating, and Preventing Localized SRB Biocorrosion of Metallic Pipelines in Different Aqueous Environments  
**Muhannad M. El Darbi**  
Department of Materials Engineering ,The University of British Columbia , ..... **Canada**
- 9.45 – 10.30** Progress in Understanding of Pipeline Attack by Near-Neutral pH Stress Corrosion Cracking ( NNpHSCC )  
**Reg Eadie**  
Department of Chemical and Materials Engineering, University of Alberta, ..... **Canada**
- 10.30 – 11:00** Maintenance Solutions with Composites for Corroded and Eroded Equipments  
**Reda Shaker**  
Managing Director , Cornerstone Co. .... **Egypt**
- 11:00 - 11.30 COFFEE BREAK**

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**Session IV: 11.30 – 13.30**  
**Chairman: Prof . V.K.Gouda**

- 11.30 – 12:00** Removal and Inhibition of Scales and Deposits in  
Petroleum Production Pipes (Case Study )  
**A.A.ELHosary**  
National Research Centre, Cairo, ..... **Egypt**
- 12:00 – 12.30** Safe Cleaning and Keeping Clean Cooling Water  
Systems and Boilers  
**Faiza Abou Zeid**  
G.M.Aqua Trust for Water Treatment, ..... **Egypt**
- 12.30 – 13:00** Effect of CTAB as Inhibitor for Microbial Corrosion  
of Mild Steel.  
**Eman Ghazy**  
National Research Centre, Cairo, ..... **Egypt**
- 13:00 – 13.30** Antifouling Systems and Materials  
**M.Y. EL-Shazly**  
TECOF Technical Commercial Office, Alexandria , ... **Egypt**
- 13.30 – 14:00** **POSTERS ( 7 - 12 )**
- 14:00** **LUNCH**

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**Session V: 16:00 - 18.30**  
**Chairman : Eng. Faiza Abou Zeid**

- 16:00 – 16.30** The Antiscalent Effect of Some Plant Extracts with Inhibitor Properties  
**Anca Cojocaru**  
"Politehnica " University of Bucharest , Faculty of Applied Chemistry and Material Science , ..... **Romania**
- 16.30 – 17:00** Considerations Regarding the Use of Environmentally Friendly Plant Extracts for Copper Corrosion Inhibition  
**Daunt – Ionel Vaireanu**  
"Politehnica " University of Bucharest , Faculty of Applied Chemistry and Material Science , ..... **Romania**
- 17:00 – 17.30** **COFFEE BREAK**
- 17.30 – 18:00** Studies Concerning the Effect of Scale and Corrosion Inhibitors on Natural Environment  
**Claudia Groza**  
National Institute of Research and Development in Electrical Engineering , Bucharest , ..... **Romania**
- 18:00 – 18.30** Corrosion Problems in Fertilizer Plants  
**Abd El Fatah Agwa**  
Exchairman and Managing Director of MRC, Consultant in Chemical Industries Sectors , ..... **Egypt**
- 18.30 – 19:00** **POSTERS ( 13 – 18 )**  
**19:00** **DINNER**

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**Third Day**  
**Wednesday, Dec .16, 2009**

**Session VI : 9:00 – 11:00**  
**Chairman : Prof. W. A. Badawy**

- 9:00 – 9.30** Integrated Analytical Strategies for Investigation of Corrosion of Copper – Based Artifacts in Egypt  
**Venice K. Gouda**  
National Research Centre, Cairo, ..... **Egypt**
- 9.30 – 10:00** Novel Corrosion Protective Coatings Based on Chemical Nanotechnology  
**W. Furbeth**  
DECHEMA e.v., Karl-Winnacker-Institut, Frankfurt, .. **Germany**
- 10:00 – 10.30** Self- Healing Coatings with Multi- Level Protection Based on Active Nanocontainers  
**Mario Ferreira**  
University of Aveiro , CTCECO, Department of Ceramics and Glass Engineering, ..... **Portugal**
- 10.30 – 11:00** Long Term Corrosion Protection and Refurbishment of Rotating Equipment and Process Equipment, Using Glassflake Filled Composite Linings  
**Graham Greenwood**  
Sole, Managing Director Corrocoat ltd ,leeds, ..... **England**

**11.30 SIGHT SEEING**

**14:00 LUNCH**

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**Session VII: 16:00 - 18.30**  
**Chairman : Eng. A.Agwa**

- 16:00 – 16.30** Pre- Treatment of Rusted Steel Surfaces with Phosphoric Acid Solutions  
**Vector M.M. Lobo**  
Department of Chemistry, University of Coimbra, ... **Portugal**
- 16.30 – 17:00** Development of Novel Corrosion Techniques for a Green Environment  
**Zaki Ahmad**  
Mechanical Engineering Department , King Fahd University of Petroleum and Minerals, Dhahran , ..... **Saudi Arabia**
- 17:00 – 17.30** **COFFEE BREAK**
- 17.30 – 18:00** Metallurgical Analysis of Corrosion in Thermal Power Plant  
**M.R. Kabiri**  
Ecole Nationale Supérieure d'Arts et Métiers – Meknes, ..... **Morocco**
- 18:00 – 18.30** Corrosion New Approach ( Case Study )  
**Yaser Ibrahim**  
Sidi Kerir Petrochemicals Co. .... **Egypt**
- 18.30 – 19:00** **POSTERS ( 19 - 24 )**
- 19:00** **DINNER**

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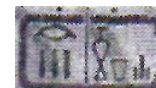
**Fourth Day**  
**Thursday , Dec 17,2009**

**Session VIII : 9:00 – 11:00**  
**Chairman : Eng. M.Y. EL Shazly**

- 9:00 – 9.30** The Benefits of Using New LR Mesh Ribbon Anode  
in CP Industry  
**Simone Tremolada**  
Industrie de Nora S.P.A., VIA Bistolfi, Milan , ..... **Italy**
- 9.30 – 10:00** Beneficial Applications of Induced Corrosion  
**W.A. Badawy**  
Chemistry Department, Faculty of Science, Cairo University, ..... **Egypt**
- 10:00 – 10.30** Studies Concerning the Degradation of Reinforced Concrete  
Structures Due to D.C. and A.C. Stray Currents  
**Carmen Lingvay**  
National Institute of Research and Development in Electrical  
Engineering, Bucharest, ..... **Romania**
- 10.30 – 11:00** Suitability of Glass Fiber Reinforced Thermoset Composite  
Pipes for Saltwater Transportation.  
**N. Merah.**  
Mechanical Engineering Department , King Fahd University , .. **Saudi Arabia**
- 11:00 – 11.30 COFFEE BREAK**

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**Session IX : 11.30 – 14:00**  
**Chairman : Prof. A.A. EL Hosary**

- 11.30 – 12:00** Fracture Mechanics in Corrosion Science  
**Bill Tyson**  
Materials Technology Laboratory, Canmet Natural Resources, ... **Canada**
- 12:00 – 12.30** Failure Analysis of Broken Grade 8 Bolts Underground Valves  
**Erhan Ulvan.**  
Acuren group inc., Mississauga, Ontario , .. **Canada**
- 12.30 – 13:00** The Activation of Aluminium Alloy in Buffer Solutions  
**El. Fitouri**  
Petroleum Engineering Department, Altahadi University,  
Sirte, ..... **Libya**
- 13:00 – 13.30** The Susceptibility of Low Carbon Steel Welded Joint to  
Sulfide Stress Cracking (SSC).  
**Ali ELBasir**  
Material Engineering Department- Alfateh University of  
Tripoli, .. **Libya**
- 13.30 – 14:00** Inspection of 18" Shipping for Treated Crude Oil (Case Study)  
**Tarek Fathy**  
Esh El-Mallaha.Co. .... **Egypt**
- 14:00 CLOSING**
- 15:00 LUNCH**
- 16:00 DEPARTURE**

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