

CONFERENCE TECHNICAL PROGRAM

Lecture Programme

Monday, November 9, 2009

8:30 – 9:30 Registration
 9:30 – 10:30 Inauguration of the Conference and Exhibition

10:30 – 11:30 Coffee Break and Visit of Exhibition

Technical Session 1: Cathodic Protection

Chairman: Dr. Faraj A. Garman – Chairman, NACE Libya Section
Co-Chairman: Dr. Stuart S. Moody - Champion Technologies Ltd.

11:30 – 12:00	Talk by Gerd Zimmermann Senior Training Engineer, CP Training Company GmbH, Germany
12:00 – 12:25	(Paper No. O-01) Corrosion failure analysis and cathodic protection evaluation of above ground fuel oil storage tank (AGST) bottom plates. (M. A. Khalil – Ras Lanuf Oil and Gas Processing Company)
12:25 – 12:50	(Paper No. O-02) AC induced corrosion. (T. Krebs and G. Zimmermann- GCP German Cathodic Protection)
12:50 – 13:15	(Paper No. O-03) Functional relationship between cathodic protection current/potential and duration of system deployment in desert conditions. (A. Muharemovic, N. Behlilovic, I. Turkovic, E. Letic – Energoinvest)
13:15 – 13:40	(Paper No. O-04) The importance of a fair management to maintain and control the cathodic protection system efficiency by remote monitoring. The field experiences and the day by day management. (C. Calvi, R. Bondani and P. Cerami – Tecnosystem)

13:40 - 14:30 Lunch Break

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Technical Session 2 : Coatings

Chairman: Dr. Mohamed Ahmed Khalil - Ras Lanuf Oil & Gas Processing Company
Co-Chairman: Dr. Elias Korosoglou - Nalco Company, Italy

14:30 – 15:00	Talk of Dr. Soliman Y. Gajam from Qatar Petroleum
15:00 – 15:25	(Paper No. O-05) Coating evaluation for extreme conditions. (A.M. Elmahdi and R. A. Duffin – Arabian Gulf Oil Company)
15:25 – 15:50	(Paper No. O-06) A new, cost efficient production method for CRA Lined Steel Pipe based on sheet metal to fight Top of Line Corrosion (TLC). (Bernd Berg and Ulrich Schnaut - Bergrohr GmbH Siegen, Germany)
15:50 – 16:15	(Paper No. O-07) An overview of application parameters used for lining of potable water pipeline. (I. Ahmad, E. M. Alosheby and S. S. Abdelghani – AGOCO).

End of First Day

Lecture Programme

Tuesday, November 10, 2009

Technical Session : Corrosion Inhibitors and Corrosion Phenomena

Chairman: Dr. Mohamed Nuri Rahuma - Garyounis University

Co-Chairman: Dr. Stephen Maxwell - Intertek Commercial Biology, Ltd., Aberdeen

9:00 – 9:30	Talk of Dr. Stuart S. Moody “Hydrogen sulphide scavengers for treatment of sour oil and gas production systems’ ”
9:30 – 9:55	(Paper No. O-08) Multilayer adsorption of poly donor organic molecule on heterogeneous steel surface from inhibited pickling acid solutions as a function of the adsorbate and acid concentrations. (A.R. Ismaeel – Garyounis University)
9:55 – 10:20	(Paper No. O-09) Environmental consideration of oilfield chemicals used in oil and gas production. (I. Ahmad, R. Gazwi and E. Alshoeby - Arabian Gulf Oil Company)
10:20 – 10:45	(Paper No. O-12) Corrosion of Al-Electrode in buffer solutions in absence and in presence of anthraquinone and azo dyes. (M. M. B. El-Sabbah, M. S. Aboul-Fetauh, A. M. Nagiub, and H. F. Y. Khalil - Al-Azhar University, Cairo (Egypt).

10:45 – 11:15

Coffee Break

Technical Session 4: Case Studies

Chairman: Eng. Yazid El Shaari - Intertek Libya

Co-Chairman: Prof. Mohamed M. El Sabbah - Egyptian Corrosion Society

11:15 – 11:40	(Paper No. O-15) Failure analysis of 6” isolation globe valves of heating medium system at Attahady field gas plant. (A. M. Zaidani - Sirte Oil Company)
11:40 -12:05	(Paper No. O-16) Field experience on corrosion and corrosion control in thermal water desalination plants. (M. Rana - Harouge Oil Operations Company)
12:05 – 12:30	(Paper No. O-17) Overheating of boiler superheater tubes. (F. H. Elfergani - Ras Lanuf Oil & Gas Processing Co.)
12:30 – 12:55	(Paper No. O-18) Evaluation of underwater ship hull structure under hard working Conditions. (A.M. Baruni, N. M. Elbuni and M. M. Hossin – Libyan Navy)
12:55 – 13:20	(Paper No. O-19) إدارة المخاطر المصاحبة للتآكل (F. M. Oun – Az Zawiya Refinery)

13:20 – 14:00

Lunch Break

Technical Session 5: Corrosion Management

Chairman: Eng. Khalifa El Nowaa - Great Man Made River Authority (GMMRA)

Co-Chairman: Dr. M. Rana - Al Harouge Oil Operations

14:00 – 14:30	Talk by Dr. Hosni Zubeir Metallurgical and environmental factors affecting the localized corrosion behavior of SAF 2205 duplex stainless steel in chloride solutions.
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14:30 – 14:55	(Paper No. O-20) Adaptable Corrosion Risk Assessment Methodology for Oil & Gas Asset Integrity Management. (S. Hodges, D.G. John, K. Oliver, E. Tipton, Y. Shaari – Intertek)
14:55 – 15:20	(Paper No. O-21) Corrosion and Integrity Management Strategy for Ageing Pipelines. (T. de Lange, G. Weigold, J. Healy, A. Wilde - ROSEN Europe b.v.)
15:20 – 15:45	(Paper No. O-22) Integrity and corrosion management of petrochemical plant utility boilers. (S. Fewell, S. Maleki and J. Rudlin - TWI Company)
15:45 – 16:10	(Paper No. O-23) المراكب البحرية من التآكل الاختيار الجيد لمعدات وألات صيانة (S.A. Asbeeka and H. A. Hussein - Libyan Navy)

End of Second Day

Lecture Programme

Wednesday, November 11, 2009

Technical Session 6: Corrosion Inhibition Mechanism

Chairman: Dr. Mohamed Abdelsalam F. Kilan - High Institute of Welding and Corrosion and Production of Pipes for Oil and Gas

Co-Chairman: Eng. Mohamed Rajab Rameida - Libyan Iron and Steel Company

9:00 – 9:30	Talk by Dr. Elias Korosoglou Break-through corrosion inhibitor for fouled systems.
9:30 – 9:55	(Paper No. O-11) New seawater waterfloods - An opportunity to review the guidelines for macrofouling control and MIC mitigation. (S. Maxwell and I. Spark - Intertek Commercial Microbiology Ltd.)
9:55 – 10:20	(Paper No. O-13) Synthesis and evaluation of some biodegradable corrosion inhibitors. (D. H. Elabar – Omar El Mukhtar University)
10:20 – 10: 45	(Paper No. O-14) Corrosion Inhibition of 304 stainless steel Using Dithizone in 20%(W/W) HCl solution. (Mohamed N. Rahuma, Fadwa M. Al-Sonosy and Atega M. Al-Frjany - Garyounis University)

10:45 – 11:30

Coffee Break and Poster Session

Poster Session

(Paper No. P – 01)

Morphology and Phase Composition of Cobalt Sulphidation with H₂ – H₂S Gas Mixtures
(Muftah .M. Zaelik - Tajoura Nuclear Research Centre. Tripoli – Libya)

(Paper No. P-02)

تأثير البنية المجهرية ومعدل التشكيل على معدلات التآكل لثلاثة أنواع من الصلب
محمد نور إبراهيم الدبو ، احمد محمد علي الدويلى ، عبد الناصر مفتاح عبد الرحيم البركي
المركز العالي للمهن الميكانيكية

(Paper No. P – 03)

Photovoltaic Applications with using Nickel Cadmium Batteries
(Abdelnaser M. El-Breki¹, Mohammed N.I.Dabo², Ahmed.M.A. ALdwily²)
1-Eng High Center of Electrical and Electronic Technology, Benghazi
2-Eng High Center of Mechanical Technology, Benghazi

(Paper No. P – 04)

تأثير المعالجة السطحية بالكربون(الكربنة الصلبة) على خواص سبائك الصلب
محمد نور إبراهيم الدبو¹، محمد سليمان الدليمي

(Paper No. P – 05)

Inhibitive Action of Ellagic acid on Corrosion Behavior of SS 316L in Artificial Saliva.

(Murtdha A. Siyah,* Abdalkreem M. A. Alsamuraee and * Amar M .Hmud* - * Ministry of Science and Technology- Iraq)

Lecture Programme

Wednesday, November 11, 2009

Technical Session 7: Materials and Welding

Chairman: Captain Abdurahman Moh. Baruni - Libyan Navy

Co-Chairman: Eng. Ahmed M. Zaidani - Sirte Oil Company

11:30 – 11:55	(Paper No. O-24) Sulphidation Kinetics of Cobalt with H ₂ -H ₂ S Gas Mixture. (M. M. Zeelik , M. T. Shukah - Renewable Energies and Water Distillation Research Center, Tajora)
11:55 – 12:20	(Paper No. O-25) Developing welding procedures to resist corrosion in Oil and gas pipe lines. (A.F. Kilan and M. J. El Jaroushi – Pipe Factory)
12:20 – 12:45	(Paper No. O-26) إعادة تصميم منظومة حماية مهبطية داخل لخزانات مياه (M. R. Ramida and A. I. Juma – Iron and Steel Plant)
12:45 – 13:10	(Paper No. O-27) Non destructive Estimation of Mechanical Properties of Heat-treated Steel Using Ultrasonic. (M. N. I. Dabo and A. I. Dawood – High Mechanical Centre, Benghazi)

13:10 - 14:00

Concluding Session

End of Day 3