

**Technical Programme for
The 6th Libyan Corrosion Conference and Exhibition
(Libyancorr 2007)**

**Date: 12 November, 2007 ; Day: Monday
Venue: Hall I (Tower 1, Dhat-el-Emad, Tripoli)**

9:00 – 10:00	Registration
10:00 – 11:30	Inauguration of the Conference
11:30 – 12:00	Opening of Exhibition and Light Refreshment
12:00 – 12:45	<p style="text-align: center;"><i>Chairman: Dr. Hosni M. Ezuber (University of Bahrain)</i> <i>Co-Chairman: Eng. Rajab El-Jazawi (AGOCO-Libya)</i></p> <p style="text-align: center;">Key note Address <i>Challenges in Design and Implementation of Corrosion and Erosion Monitoring to Ensure Asset Integrity</i> by Dr. Khalifa A. Esaklul (British Petroleum, United Kingdom)</p>
12:45 – 13:30	<p style="text-align: center;">Invited Speaker Brenda Peters, President of Institute of Corrosion, U.K. What is new in Corrosion (or not) ?</p>
13:30 – 14:30 - Lunch Break	
<p style="text-align: center;">Technical Session I: Case Studies <i>Chairman: Dr. Khalifa A. Esaklul (BP, United Kingdom)</i> <i>Co-Chairman: Dr. Steve Turgoose (CAPCIS Limited, United Kingdom)</i></p>	
14:30 – 14:55	<p><i>A case study of selection of corrosion inhibitor for water source wells of Sharara oilfield</i> Iftikhar Ahmad – Arabian Gulf Oil Company, Libya Abdelsalam R. Daw – Jowfe Oil technology, Libya Rafaa Esmail – Omar Mukhtar University</p>
14:55 – 15:20	<p><i>Failure of 34" diameter gas pipeline</i> A.M. Benamer (Sirte Oil Company, Libya)</p>
15:20 – 15:45	<p>M. Talha Shokam, Mufida Eleasawi & Mohamed Busheina Ali (Research Centre of Renewable Energy & Desalination Plant, Libya)</p>
15:45 – 16:10	<p><i>Failure of analysis of make up gas compressor internals at methanol II plant of Sirte Oil Company</i> A.M. Zaidani (Sirte Oil Company, Libya)</p>
16:10 – 16:35	<p style="text-align: center;"><i>التآكل في الترسانات البحرية</i> Hussein A. Hussein, Mohamed F. Elasma, Hasan M. Saad & Omar K. Bilal (Libyan Navy)</p>

Date: 12 November, 2007 ; Day: Monday
Venue: Hall II (Tower 1, Dhat-el-Emad, Tripoli)

Technical Session II: Corrosion Inhibitors <i>Chairman: Dr. Louis D. Vincent (President, NACE)</i> <i>Co-Chairman: Dr. Elarbi Khalil (Al Fateh University, Libya)</i>	
14:30 – 15:15	Invited Lecture by Dr. Sturat S. Moody (Champion Technologies) <i>Latest technology for the placement and application of corrosion inhibitors for corrosion control in oil and gas production and transmission systems</i>
15:15 – 15:40	<i>Development and deployment of improved performance combined scale/corrosion inhibitor for subsea and topside application, North Sea Basin</i> N.Feasey, M. Jordan, D. Marlow & . Elrick (Nalco, Italy)
15:40– 16:05	<i>Synergistic effect of halide anions and organic nitrogen containing compounds on the inhibition of mild steel corrosion in hydrochloric acid solution</i> M. S. Suliman & A. Al-Abbassi (Sebha University, Libya)
16:05: 16:30	<i>Inhibition of galvanic corrosion of carbon steel in oil and gas production systems</i> W.Y. Mok, J.J. Moloney, C.G. Gamble & S.D. Mancuso (Baker Petrolite, United Kingdom)

Date: 13 November, 2007 ; Day: Tuesday
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Technical Session III: Cathodic Protection I <i>Chairman: Dr. Faraj Garman (Brega Marketing Company, Libya)</i> <i>Co-Chairman: Dr. B. Peters (President of Institute of Corrosion)</i>	
9:00 – 9:45	Invited Lecture by Mr. G. Zimmermann (Germany) <i>Selection of special measuring methods</i>
9:45 – 10:10	<i>Safe electrical isolation of cathodically protected structures</i> W.B. Russell & A. Elneihoum (The Rustrol Group of Companies, Interprovincial Corrosion Control Company Limited, Canada)
10:10– 10:35	<i>Aboveground survey techniques during pipeline operation</i> Zsolt Ronafalvi (Corrocont, Hungary)
10:35 – 11:00	<i>GSM based remote monitoring system</i> Torsten Krebs (GCP German Cathodic Protection GmbH & Co.)

11:00 – 11:30 Coffee/Tea Break	
Technical Session III Continued	
11:30 – 11:55	<i>Experimental assessment of the 100 mV polarization shift criterion for cathodic protection systems of the prestressed concrete cylinder pipes</i> Belied S. Kuwairi & Hisham A. El-Fergani (Garyounis University, Libya)
11:55 – 12:20	<i>Cathodic protection applications on steel reinforcement and anchor of overhead lines tower foundations</i> Alija Muharemovic, Amit Kamenica, Irfan Turkovic & L. Lazzari (Energoinvest d.d. Sarajevo, Sarajevo B&H)
12:20 – 13:15 Poster Session <i>Chairman: Dr. M. Rana (Veba Oil Operations, Libya)</i>	
13:15 – 14:30 Lunch Break	
Technical Session V : Cathodic Protection II <i>Chairman : G. Zimmermann (Germany)</i> <i>Co-Chairman : Eng. Yezied Elshaari (Veba Oil Operations)</i>	
14:30 – 14:55	<i>The importance of quality control and project management in the construction of a large scale impressed current cathodic protection system</i> C. E. Lechman (Sirte Oil Company)
14:55 – 15:20	<i>Software for Corrosion monitoring and long term prediction of CP effectiveness</i> Steve Hamblin (AI Ltd.)
15:20 – 15:45	<i>Application of solar cells in cathodic protection</i> Abdelnasir M. A. Alburki (Center of Electrical and Electronic Technology, Benghazi)
15:45 – 16:10	<i>Effect of aging on the electrical performance of solar cells PV systems</i> Hassan S. Abdulkarim (Gayounis University, Libya)

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Technical Session IV: Protective Coatings <i>Chairman: Dr. Eisa Eljadi (University of Jofra, Libya)</i> <i>Co-Chairman: Eng. Khalifa Elnoua (Great Man Made River, Libya)</i>	
9:00 – 9:45	Invited Lecture by David Scantlebury (Corrosion and Protection Centre, University of Manchester) <i>Critical parameters in the performance of anti corrosion organic coatings</i>
9:45 – 10:10	<i>Operating experience gained through application and use of high temperature coating/lining in gas processing equipment</i> M. A. Shwigi (Sirte Oil Company, Libya)
10:10– 10:35	<i>Recent advances in protective coating of crude oil storage tanks</i> Mohamed Gibril & Farag M. Shuaeib

	Garyounis University, Libya Rajab El-Jazwi (Arabian Gulf Oil Company, Libya)
10:35 – 11:00	<i>C.S.A. (Cold spray aluminum): A new generation of high temperature corrosion resistant coatings</i> M. Fletcher (International Paint Ltd., United Kingdom)
11:00 – 11:30 Coffee/Tea Break	
Technical Session IV Continued – Corrosion Monitoring	
11:30 – 11:55	<i>Corrosion monitoring of steel reinforcement in concrete using inductive scanning technique</i> F. El-Madaani,- Great Man Made River Project, Libya M. Zaid – The University of Northampton, United Kingdom P. Gaydecki - University of Manchester G. Miller – University of Leicester
11:55 – 12:20	<i>Weight loss coupons and electrical resistance probes as corrosion monitoring tools for oilfields installations : Case history</i> Tawfiq Attal (CORMIT, Jordan)
12:20 – 13:15 Poster Session <i>Chairman: Dr. M. Rana (Veba Oil Operations, Libya)</i>	
13:15 – 14:30 Lunch Break	
Technical Session VI : Corrosion Management <i>Chairman : Dr. Iftikhar Ahmad (Arabian Gulf Oil Company(AGOCO), Libya)</i> <i>Co-Chairman : Dr. Ibrahiem Eljtal (University of Jofra, Libya)</i>	
14:30 – 14:55	<i>Management of MIC in Oil, Sea Water and 3-Phase Pipelines</i> Stephen Maxwell (Commercial Microbiology Ltd., United Kingdom)
14:55 – 15:20	<i>Top-of-line corrosion and inhibition in wet gas pipelines</i> S. Turgoose, J. W. Palmer, G. Economopoulos & D. Roulston (CAPCIS Ltd., United Kingdom)
15:20 – 15:45	<i>Effective corrosion management for upstream oil and gas facilities</i> Kirsten Oliver & Jim Palmer (CAPCIS Ltd., United Kingdom)
15:45 – 16:10	<i>Corrosion and corrosion control in boilers</i> M. Rana - (Veba Oil Operations, Libya)

Date: 14 November, 2007 ; Day: Wednesday
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Technical Session VII: Microbial Corrosion <i>Chairman: Dr. Belied S. Kuwairy(Garyounis University, Libya)</i> <i>Co-Chairman: Dr. Stuart Moody (Champion Technology, United Kingdom)</i>	
9:00 – 9:45	Invited Lecture by Dr. Stephen Maxwell <i>Monitoring and control of MIC in the oilfield: Why can we still not get it right?</i>
9:45 – 10:10	<i>Chemical treatment for the control of microbially induced corrosion in oilfield water systems</i>

	Iftikhar Ahmad – Arabian Gulf Oil Company, Libya Ayad S.S. Elkoudery & Abdusalam H. Elsheikhi (Jowfe oil Technology, Libya)
10:10– 10:35	<i>Field experience on biocide performance</i> Samira Kreat, Yazid El Shaari & M. Rana (Veba Oil Operations, Libya)
10:35 – 11:00	<i>Challenge of carbon dioxide and oxygen in Man Made River water utilization project</i> Rabha I. Madi & Salima M. Hassuna (Great Man Made River Water Utilization Authority, Libya)
11:00 – 11:30 Coffee/Tea Break	
Technical Session VII Continued (Case Studies)	
11:30 – 12: 15	Invited Lecture by Dr. Faraj Garman (Brega Marketing, Libya) <i>Corrosion and Electrochemical protection of concrete reinforcement</i>
12:15 – 12:40	<i>Failure of down hole tubing at water source well #8 in Attahaddy field</i> A.M. Zedani and C.E. Lechman (Sirte Oil Company, Libya)
12:40 – 13.05	<i>Corrosion Affected in oil pipe line Industry</i> Ashem Khalifa Ashem & Abdelsalam F. Keelan (General Pipe Company, Libya)
13:05 – 14:30 Lunch Break	
Technical Session IX : Miscellaneous Papers <i>Chairman : Dr. Ali Aljarany (7th of October University, Libya)</i> <i>Co-Chairman : Eng. Ghader Elshammari (Aramco-Saudi Arabia)</i>	
14:30 – 14:55	<i>An investigation of erosion-corrosion phenomena in sea water pipelines of desalination plants</i> Ramadan O. Saied (Garyounis University, Libya) Hafad S. Abdulhamid (Sirte Oil Company, Libya)
14:55 – 15:20	<i>New challenges by extension of cathodic protection on steel piles at splash zone</i> Mohamed A. M. Khalil (Ras Lanuf Oil & Gas Processing Co., Libya) M.A. Egamal, Rafiek Abbas, Ashraf Mostafa, Ahmed Hefnawy (Alexandria University, Egypt)
15:20 Closing Ceremony	

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Technical Session VIII: Materials and Welding <i>Chairman: Dr. Faraj Shouaib (Gayounis University, Libya)</i> <i>Co-Chairman: Dr. Ali El Basier (Al Fateh University, Libya)</i>	
9:00 – 9:45	Invited Lecture by Dr. Louis D. Vincent (President NACE) <i>Assessing the value of professional certification</i>

9:45 – 10:10	<i>Thermodynamic parameters of corrosion of ferritized spheroidal ductile cast iron electrodes in sulphuric acid solutions as a function of hydrogen adsorption on cathodic sites, cementite and fullerenes</i> A. R. Ismaeel (Garyounis University, Libya)
10:10– 10:35	<i>High temperature sulphidation of chromium with H₂/H₂S gas mixtures</i> (Muftah M. Zeelik & Mohamed T. Shukah) (Renewable Energies and Water Distillation Research Center, Libya)
10:35 – 11:00	<i>Effect of reactive element on high temperature oxidation behaviour of Fe Al Intermetallics</i> Ali A. Aljaranv & H. Abuluwefa (7 th of October University, Libya)
11:00 – 11:30 Coffee/Tea Break	
Technical Session VIII Continued	
11:30 – 11: 55	<i>MIC affects to stainless steel piping weldments structure</i> Esmail Essghier, Marai Ali Khalifa, Omar Ghandour, Murad Eddibeski & Hanna Alatewish (Welding Technology Centre, Libya)
11:55 – 12:20	<i>Effect of microstructure on electrochemical behaviour of ductile cast iron electrodes in sulphuric acid solutions</i> A.R. Ismaeel, - Garyounis University, Libya S.S. Abdelrehim – Ain Shams University, Egypt A.E. Abdou - Delta Atell Co., Egypt
12:20 – 12:45	<i>Effect of surface roughness on pitting corrosion of 25 Cr duplex stainless steels in chloride solution</i> A. Elhoud, N. C. Renton and W. Deans (University of Aberdeen, United Kingdom)
12.45: 13:10	Corrosion Affected in oil pipeline Industry Ashem Khalifa Ashem & Abdelsalam F. Keelan (General Pipe Company, Libya)
Lunch Break	