

Second Announcement

12th Middle East Corrosion Conference & Exhibition



Under the patronage of
H.E. Shaikh Abdulla bin Salman Al Khalifa
Minister of Electricity & Water
Kingdom of Bahrain



Keynote Speaker
Mr. Isam A. Al-Bayat
Vice President, Engineering Services
Saudi Aramco

February 3-6, 2008
Gulf International Convention Center
Gulf Hotel, Kingdom of Bahrain

Organized by



جمعية المهندسين البحرينيين
THE BAHRAIN SOCIETY OF ENGINEERS



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Session Topics

Formal presentations, informal technical meetings, discussions and posters are planned to maximize sharing of knowledge and experience. The formal sessions will include Cathodic Protection, Chemical Treatment, Corrosion Monitoring and Inspection, Corrosion Research and Modeling, Materials and Welding, Non-Metallic Materials, Plant Integrity, Protective Coatings and Water Treatment and Chemical Cleaning.

Provisional Conference Schedule

Sunday, 3 February 2008

08:00 Onwards	Registration
08:00 - 11:30	- Composite Repair Workshop - ISO15156 Use of Materials in H₂S Containing Environments Workshop
13:00 - 16:00	- Corrosion Monitoring Workshop - Plant Integrity Management Workshop
18:30 - 20:00	Opening Ceremony of the Exhibition and Conference
20:00 - 22:00	Dinner

Monday, 4 February 2008

07:00 Onwards	Registration
08:00 - 17:00	Technical Presentations & Discussions

Tuesday, 5 March 2008

07:00 Onwards	Registration
08:00 - 17:00	Technical Presentations & Discussions
19:30 - 22:00	Reception & Conference Banquet

Wednesday, 6 March 2008

07:00 - 09:00	Registration
08:00 - 13:00	Technical Presentations & Discussions
13:00	Exhibition Closes

CONFERENCE COMMITTEE

Conference Chairman

Dr. Faisal Al- Fageer, NACE

Conference Vice Chairman

Mr. A. Majeed Al-Gassab, BSE

ORGANIZING COMMITTEE

Chairman

Dr. Gasem Fallatah, NACE

Members

Mr. Maher Al-Arfaj, NACE

Mr. Mohammed S. Al-Omairy, NACE

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Mr. Tariq A. Al-Ghamdi, NACE

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Exhibition

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Dr. Moufaq Jafar, NACE

Mr. Naeem Khan, NACE

Mr. Abdullah Al-Mahrous, NACE

Mr. Ahmed Al-Zahrani, NACE



Keynote Speakers



Mark Mucek

UOP Senior Metallurgist and Engineering Fellow

Mark Mucek is the UOP Senior Metallurgist and an Engineering Fellow in the Process Technology & Equipment Department. He has been with UOP since 1996. Prior to joining UOP, Mark worked for Amoco Corporation for over 16 years. His experience includes Materials and Corrosion Consultant for a 420,000 bpd refinery, material specifications for new refinery and chemical plant construction, failure analysis, metals research, and Manager of Technical Services. His current responsibilities include specification of materials for new and revamped process units, material characterization, failure analysis, and fitness-for-service. He is a member of NACE International, and is immediate past Chairman of NACE STG 34, Refining and Gas Processing. Mark holds Bachelor of Science and Master of Science degrees in Metallurgical Engineering from Illinois Institute of Technology.



Cliff Johnson

NACE Public Affairs Director

Cliff Johnson has been at NACE International since June of 1997. In June 2006, he was given the opportunity to lead the Public Affairs Division within NACE again. He works closely with key Legislative and Regulatory bodies to ensure that appropriate corrosion prevention and control standards, training & certifications are being referenced.

In June 2005, he was promoted to Education Director. In this position he was responsible for all NACE training and certification. Under his leadership the budget for the Education Division grew to \$6 million annually, the largest ever at NACE. The number of courses ran globally also increased by 25% during this tenure.

Prior to that he was the Director of Public Affairs for NACE for three years. In that position he directed the public affairs/public relations efforts to promote awareness of corrosion control and prevention technology and NACE's ability to provide that technology to: the public at large, government entities, including federal, state, and international regulatory agencies and legislative personnel; other technical societies; and corporations.



Mamdouh Salama Ph.D

Engineering Fellow, ConocoPhillips Company

Mamdouh Salama is an Engineering Fellow in ConocoPhillips Upstream Technology Department, and a Fellow of the American Society of Mechanical Engineers. He holds a Bachelor of Science degree in Mechanical Engineering (with highest distinction) from Ain-Shams University, Egypt, and Master and Doctor of Science degrees in Mechanical Engineering from Massachusetts Institute of Technology (MIT). He authored over 100 technical papers, was awarded 20 patents, edited 23 conference proceedings, and presented the keynote address in many conferences in both in the U.S. and overseas. He has 30 years experience with ConocoPhillips. His professional activities include chairman of the Offshore Mechanics and Arctic Engineering Division of ASME, associate editor of two ASME transaction Journals, and chairman of several international conferences dealing with Offshore and Arctic Developments. He is the recipient of several achievement awards. He is well recognized within the oil and offshore industry by his contributions in the areas of composite materials, sand production management and structural integrity monitoring and assessment.



Dr. Iain Le May

Fellow, ASM and ASME

Dr. Le May attended the Royal College of Science & Technology, Glasgow, and the University of Glasgow, Scotland. He was on the faculty of the University of Saskatchewan, from 1963 to 1985, holding the position of Professor of Mechanical Engineering from 1970 to 1985. He established Metallurgical Consulting Services Ltd. Saskatoon, in 1978; MCS Associates, Inc., Pittsburgh, in 1991; and Le May & Becht Engineering Inc., Calgary, in 2001. He

has more than 250 publications, including several books. He is an Adjunct Professor in the post-graduate program of Dept. of Materials and Metallurgical Eng., Federal University of Rio de Janeiro (COPPE/UFRJ), Brazil.

He has consulted extensively in Canada, USA, Brazil, Colombia, Japan, South Africa and other countries and has appeared as an expert witness in product liability and related cases on many occasions.

Dr. Le May is a Fellow of ASM and ASME, and serves on many society and international committees. In 2002 he was elected Fellow of the Royal Society of Arts, London (FRSA).

THE COMPOSITE REPAIR



The workshop will provide answers to the following introductory questions:

- What are composite repairs?
- What are the constituent materials of composite repairs?
- What type of defects can be repaired?
- What are the limiting temperature and pressures?

After these introductory questions have been answered, the following three main issues will be addressed:

- How to qualify composite repairs?
- What are the key aspects of installing composite repairs?
- How to inspect both the composite repair and the underlying defect?

The answers to the above questions will be answered in part by a few short talks, some posters and some hands on exhibits. There will also be exhibits from some selected suppliers of composite repairs providing samples and demonstrations of the latest developments in composite repair technology.

Dr. Simon Frost, GRP Consultant

Dr. Simon Frost has worked with applications of composite materials in exploration and production environments within the Oil and Gas industry for the past 20 years. For the first 15 years he was employed by Shell International Exploration and Production working in The Hague, The Netherlands, as a materials and corrosion engineer with responsibility for the application of composite materials. For the past 6 years he has worked for ESR Technology Ltd, an engineering consultancy providing advice and guidance in the application of the composite materials.

Dr. Frost worked on many projects and development programmes involving composite materials. These projects ranged from buried pipelines to offshore piping systems. For example, he is currently the GRP consultant for the cooling water project at Ras Laffan, Qatar. He is also involved in a development programme on the inspection and assessment of integrity for GRE piping systems.

Administrative Information

Course Fee	Free of Charge (Full registration is required to attend one of the workshops)
Course Venue	Al Dana 3, GICC, Gulf Hotel
Date & Time	Sunday Feb. 3, 2007, 8 AM - 11:30 AM
Registration	Please use the Conference Registration form for this workshop

ISO15156 USE OF MATERIALS IN H₂S CONTAINING ENVIRONMENTS



The background and development of the standard will be presented, together with the implications and differences from NACE MR0175 (pre ISO version). The workshop would cover the different cracking mechanisms, the applicable test methods and relevant acceptance criteria contained in the ISO. Important changes as published in the Corrigenda will also be presented. The various processes of maintenance, balloting and enquiries would also be covered.

Dr. Chris Fowler, Global Director Corrosion and Chairman NACE Europe

Dr. Chris Fowler is Director of Bodycote Materials Testing, and Chairman NACE Europe. Dr. Fowler is also a member of ISO 15156 Maintenance Panel. He has a B.Sc. an M. Sc. and a PhD in Metallurgy from UMIST. He is also a Chartered Engineer and is a Fellow of the Institute of Metals. Dr. Fowler is currently Head of the Bodycote Corrosion Centre and his speciality field is materials selection and testing for sour service. He is also heavily involved with the EFC working parties on materials for sour service, and recently completed the revision of EFC 17.

Administrative Information

Course Fee	Free of Charge (Full registration is required to attend one of the workshops)
Course Venue	Al Dana 4, GICC, Gulf Hotel
Date & Time	Sunday Feb. 3, 2007, 8 AM - 11:30 AM
Registration	Please use the Conference Registration form for this workshop



CORROSION MONITORING



This corrosion monitoring workshop will cover some of the theory but mainly the practical aspects of on-line corrosion monitoring technology. The first part of the presentation will cover the various techniques available for monitoring corrosion and related parameters, based on the NACE Technical Committee report 3T199. These techniques range from on-line monitoring to inspection techniques. Their comparative benefits and limitations are compared. The second part of the workshop will cover a description and demonstration of on-line and data logging advanced corrosion monitoring equipment using high resolution Microcor metal loss and electrochemical measurements. The third part of the workshop will cover a demonstration of on-line insertion and retrieval equipment for on-line corrosion probes, coupons, and chemical injection. The final part will cover the latest development in wireless corrosion monitoring transmitters for process plant use as part of the Emerson Wireless process control systems.

The workshop is designed for engineers and technicians who need to increase their knowledge of on-line corrosion monitoring technologies and their implementation and use in the practical field environment to obtain effective results.

Allan Perkins, Product Manager for Rohrback Cosasco Systems

Mr. Allan Perkins's Company, Rohrback Cosasco Systems is the world's leading supplier of corrosion monitoring equipment. Mr. Perkins has a First Class Honors Degree in Mechanical Engineering, and Masters in Engineering Design. He has been a NACE Task Group Chairman that prepared the State-of-the-Art report 3T199 for Assessment of Corrosion in Field Applications and ASTM Committee Chairman for Standard Guide G96 On-Line Monitoring of Corrosion in Plant Equipment. He was educated in the UK and spent 10 years in the UK power plant industry, and 10 years in instrumentation before moving to the USA in 1982 to join COSASCO which merged with Rohrback in 1984. He is currently responsible for systems and product development.

Administrative Information

Course Fee	Free of Charge (Full registration is required to attend one of the workshops)
Course Venue	Al Murjan 1, GICC, Gulf Hotel
Date & Time	Sunday Feb. 3, 2007, 1 PM - 4 PM
Registration	Please use the Conference Registration form for this workshop

PLANT INTEGRITY MANAGEMENT



The objective of the workshop is to provide the participant the management and technical challenges of plant integrity and what is required to successfully execute a plant integrity management with complete organization buy-in.

In the plant integrity management workshop, the topics of discussion will focus first and foremost on Asset Integrity and Reliability Management System (AIRMS). AIRMS provides high level overview of the interrelationship from company policy to how equipment is maintained. This will equip the decision makers with overall improvement and streamlining the business processes.

Critical to the overall asset integrity, the workshop will show case integrated software, ORBIT Onshore (RBI software) and ORBIT+ IDS (Data Management software). It highlights how integration of these software provides synergy through data collection & data validation, configuration of risk matrices & acceptance criteria, job packing, development of inspection & maintenance plans, etc. These tools assist plant engineers to prioritize, prepare inspection plan, record inspection history, trending, and data tracking, decision making, etc.

Teo Yong Seng, Head of Operation Excellence Services, DNV Energy

Mr. Teo Yong Seng has completed 18 years in the Oil and Gas, Process and Maritime Industries, the last 12 of which have been with DNV. He has participated in various projects and managed numerous failure investigations, fitness for service studies, material certification and verification projects and advanced NDT technique evaluations. He has also undertaken condition assessment of structures, components, pressure vessels, boilers, etc., written WPS, PQR and weld inspection routines and is qualified to use numerous NDT inspection techniques including UT, MPI, DPI and Lizard EMA.

Mr. Seng is currently Head of Operation Excellence in the Middle East for DNV, and is responsible for four area offices handling a variety of ongoing RBI projects and a wide range of other integrity services.

Administrative Information

Course Fee	Free of Charge (Full registration is required to attend one of the workshops)
Course Venue	Al Murjan 2, GICC, Gulf Hotel
Date & Time	Sunday Feb. 3, 2007, 1 PM - 4 PM
Registration	Please use the Conference Registration form for this workshop

List of Accepted Abstracts

(as of Nov. 20, 2007)

CATHODIC PROTECTION

AUTHOR	AFFILIATION	PAPER TITLE
D.R. Catte	Saudi Aramco (Saudi Arabia)	Well Casing Failure Investigation in the Arab-C Formation
H. Al-Mahrous	Saudi Aramco (Saudi Arabia)	A New Approach for Evaluating the Effectiveness of CP for Existing Tanks Constructed on Oily Sand Pads
M.A. Al-Arfaj	Saudi Aramco (Saudi Arabia)	Performance of Large Size Magnesium Anodes Used for Protection of Well Casings at Non-Electrified Offshore Fields
C. Googan & G. Symington	BAC Corrosion Control Limited (UK)	Ensuring the Integrity of Critical Pipe-to-Cathodic Protection System Connections
R. Allen	ARK Engineering & Technical Services, Inc. (USA)	AC Electrical Interference Effects and AC Corrosion Mechanisms
J. Shanmugam	Ras Gas Company Limited (Qatar)	Internal Cathodic Protection of Existing Buried Glass Flake Lined Spiral Welded Large Diameter Seawater Pipeline Systems
J. Chase	Rawabi Corrosion Technology Co. (Saudi Arabia)	AST CP Monitoring
P. Panchal	Abdulla Fouad Impalloy Ltd. Co. (Saudi Arabia)	Cathodic Protection Design Considerations for New Well Coated Pipeline in Existing Pipeline Corridor
A.M. Nor, M.F. Mohamed & M.F. Abu Bakar	PETRONAS (Malaysia)	An Audit of MTBE/Polypropylene Pipelines CP Systems
M. Al-Mubasher	Saudi Aramco (Saudi Arabia)	Results of Five-Year Field Evaluation of Nine Buried Reference Electrodes in Low Resistivity Subkha Soil
M. Manghi	Industrie De Nora S.p.A (Italy)	20 Years of Impressed Current Cathodic Protection Retrofit of Offshore Platforms Using MMO Tensioned Anode Strings
D. Southern	FreeWave Technologies, Inc. (USA)	New Low Cost Technology Development for Cathodic Protection Remote Monitoring
O. Fumei, R. Cigna & L. Di Biase	Isproma SR. L. (Italy)	AC Corrosion: Results of Field Measurements and On-going Research

CHEMICAL TREATMENT

AUTHOR	AFFILIATION	PAPER TITLE
A.S. Al-Omari & O. C. Dias	Saudi Aramco (Saudi Arabia)	Refinery Caustic Injection System: Design, Operation and Case Studies Involving Troubleshooting
P.S. Desai & R. T. Vashi	Navyug Science College (India)	Sulpha Drug (Sulphathiazole) Used as Corrosion Inhibitors for Aluminum in Trichloroacetic Acid
M. Achour	ConocoPhillips (USA)	Comprehensive Laboratory Screening of Corrosion Inhibitors - A Key First Step in a Successful Corrosion Inhibition Treatment
N.A. Mohamed W. Johnston & M.C. Winslow	PETRONAS (Malaysia) Chevron Texaco GE Water & Process Technologies	The Impact on Hydrocracker Reactor from Processing of High Sulphur and High Acid Crudes
A. Nengkoda, M. Riyami M. Mandhari & A. Ruwehy	PDO (Oman)	The Development of Scale Management Program for Petroleum Development Oman: A Case Study for Effective Scale Management and Cost Saving
H.H. Al-Alwani, T.Y. Rizk & H.S. Srinivasan	Saudi Aramco (Saudi Arabia)	MIC Control in Saudi Arabian Water Injection Systems - A Case Study
R. El-Ghazawy, A.M. Al-Sabagh & M.A. Abdel-Raouf	Egyptian Petroleum Research Institute (Egypt)	Synthesis and Evaluation of Some Novel Amino Alkylimidazole Surfactants for Corrosion Inhibition of Carbon Steel
A. Al-Harthy & N. Behlani	Petroleum Development of Oman (PDO) (Oman)	New Approach for Corrosion Inhibitor Qualification in PDO
I. A. Muzghi	Qatar Liquefied Gas Company Ltd. (Qatar)	Assessment of Inhibitor Availability for Qatargas Subsea Pipeline
J. J. Moloney, W. Y. Mok & C. G. Gamble	Baker Petrolite (UK)	Investigations into Compatible Corrosion and Kinetic Hydrate Inhibitors for Wet Sour Gas Pipelines

List of Accepted Abstracts

CORROSION MONITORING AND INSPECTION

AUTHOR	AFFILIATION	PAPER TITLE
A. Perkins	Rohrback Cosasco Systems (USA)	New Developments in Microcor Technology
K. Wold	CorrOcean ASA (Norway)	On-line Internal Corrosion Monitoring of Remote Pipelines
M.A. Al-Tolaihy & M. Al-Anazi	Saudi Aramco (Saudi Arabia)	Arab Extra Light Crude Pipeline Internal Corrosion Investigation Study
Ø. Baltzersen	Sensorlink AS (Norway)	Wall thickness Monitoring of Pipelines Using Multi-channel Ultrasound
Y. Zhang L. Liu, H. Chen & P. Luo	Center of PetroChina Pipeline Company (China)	On-line Monitoring for Corrosion of Sour Crude Oil
M.A. Saleem & A.A. Al-Hulaibi	Saudi Aramco (Saudi Arabia)	Managing Corrosion Challenges Associated with Heat Exchangers
S. Shirazi, B. McLaury & F. M. Al-Mutahar	University of Tulsa (USA) Saudi Aramco (Saudi Arabia)	Sand Monitoring Techniques - Applications and Limitations
R.L. Zbitowsky	Saudi Aramco (Saudi Arabia)	Corrosion Monitoring of Production Tubulars Using the Multi-Arm Inspection Tool in Sweet and Sour Gas Wells in Saudi Arabia - A Guide for the Practicing Engineer
M.I. Jafar, S.A. Al-Jutaily, A.H. Al-Rasheed, A.A. Al-Shayeb & K. Spicer	Saudi Aramco (Saudi Arabia) CAPCIS	Downhole Corrosion Monitoring
M. Abdulla	Sui Southern Gas Company (Pakistan)	Pipeline Integrity Management Through Baseline Intelligent Pigging
Ms. S. Mistry	Indian Oil Corporation Ltd. (India)	Corrosion of CDU Overhead Heat Exchangers - The Need for a Comprehensive Corrosion Management Program
M. Bhanumurthy	Saudi Aramco (Saudi Arabia)	Corrosion Prevention, Protection & Control in CDU Overhead System

CORROSION RESEARCH AND MODELING

AUTHOR	AFFILIATION	PAPER TITLE
Y.T. Al-Janabi & A.H. Al-Rasheed	Saudi Aramco (Saudi Arabia)	Field Evaluation of Coatings Using Electrochemical Impedance Spectroscopy
A. M. Sherik & S.A. Al-Jutaily	Saudi Aramco (Saudi Arabia)	Effect of Laboratory Simulated Hydrotesting on Corrosion of Pipeline Steel
H.B. Senin	Universiti Malaysia Terengganu (Malaysia)	Corrosion Inhibition and Adsorption Behavior of Sodium
A.M. Sherik, S.A. Al-Jutaily & S.R. Zaidi	Saudi Aramco (Saudi Arabia)	Can Hydrotesting Lead to Long Term Iron Oxide-based Black Powder in Sales Gas Pipelines?
R. Hafzan	PETRONAS (Malaysia)	Corrosion Prediction: Application and Challenges to Petronas Exploration and Production Project
A.I. Almarshad & S. Syed	King Abdulaziz City for Science and Technology (Saudi Arabia)	Studies on Galvanized Steel Atmospheric Corrosion in Saudi Arabia
S.A. Lordo	Nalco Energy Services (USA)	Practical Field Applications and Guidelines for Using Overhead Simulation Models
C. Kang	CC Technologies (USA)	Effect of Inclination on Corrosion and Flow Regime in Subsea Wet Gas Pipelines
I.H. Abidi	Abdulla Fouad Impolloy (Saudi Arabia)	Neural Networks for Corrosion Industry
E.M. Elkanz	University of Bahrain (Bahrain)	Fractal Patterns from Corrosion Pitting of Aluminum Alloys in Marine Environment
M. Alodan & I. Ali	King Saud University (Saudi Arabia)	Factors Affecting Atmospheric Corrosion in Saudi Arabia (Eastern Province)
H. Yakuwa, M. Miyasaka, K. Sugiyama, A.U. Malik, I.N. Andijani, M. Al-Hajri, K. Mitsuhashi & K. Matsui	Ebara Research Co., Ltd. (Japan)	Crevice Corrosion Properties of Various Stainless Steels for Seawater Pumps in Middle Eastern Seas
A.S. Yaro	University of Baghdad (Iraq)	Optimization of the Sacrificial Anode Cathodic Protection of Carbon Steel in 0.5M NaCl Solution Using Experimental Design
M.S. Al-Waranbi	Saudi Aramco (Saudi Arabia)	Corrosion Behavior of API X-80 & API X-100 Pipeline Steels in Bicarbonate Solutions
Y. Matsuda, M. Ueda, E. Yamamoto, S. Kimura & H. Amaya	Sumitomo Metal Ind., Ltd. (Japan)	Performances of SM2535 (UNS N08535) in Sour Gas Environments

CORROSION RESEARCH AND MODELING (Cont'd.)

AUTHOR	AFFILIATION	PAPER TITLE
A. Ul-Hamid, Abdulquddus, A. I. Muhammad & L. M. Al-Hadhrami	KFUPM (Saudi Arabia)	Surface Modification of Al Alloy 2014 by Electrochemical Deposition of Ni Coating

MATERIALS AND WELDING

AUTHOR	AFFILIATION	PAPER TITLE
H. U. Hong & H. J. Choi	POSCO Research Laboratories (Korea)	Effect of Centerline Segregation on the Susceptibilities to Hydrogen-Induced-Cracking and Grooving Corrosion of X60 ERW Line Pipe
A. M. Benamer	Sirte Oil Company (Libya)	Failure of the 34" Diameter Gas Pipeline
M. A. Ridy & A. Kermad	Saudi Aramco (Saudi Arabia)	Microbiologically Influenced Corrosion (MIC) of Seal Flush Water Piping at Qatif GOSP-1
M. M Al-Qarni	Saudi Aramco (Saudi Arabia)	Salt Deposition Minimization Using Process Changes in a Condensate Stabilizer Reboiler
H. M. Shalaby & A. A. Alhazza	Kuwait Institute for Scientific Research (Kuwait)	Failure of a Stainless Steel Pump Impeller
M. M. Al-Tehmazi & R. M. Gul	University of Bahrain (Bahrain)	HCl Corrosion in a Crude Distillation Unit
F. M Al-Faqeer G. Duggan, S. P. Wood S. N. Rosenbloom	Saudi Aramco (Saudi Arabia) Baker Petrolite Sunoco (Corrosion Testing Laboratories)	Ammonium Bisulfide Corrosion in Sour Water Stripper
S. Hashizume	NKK Tubes (Japan)	Examination of High Strength Low C - 13%Cr Martensitic Stainless Steel
D.C. Agarwal	ThyssenKrupp VDM Inc. (USA)	Fabrication Practices & Impact of Welding on Corrosion Resistance of High Ni-Cr-Mo Alloys
D.C. Agarwal	ThyssenKrupp VDM Inc. (USA)	A Unique High Performance Ni-Cr-Mo Alloy (UNS N06059) Provides Solutions to Severe/Extreme Corrosion Problems in Various Industries
N. Thomson	Mexssub International Inc. (USA)	Permanent Riser & Pipeline Rehabilitation System
Abulaziz	Kuwait College of Technical Studies	Intergranular Stress Corrosion Cracking of Sensitized Austenitic Stainless Steels in a Petroleum Refinery
R. Yin	SABIC (Saudi Arabia)	Thermowell Failures in Different Incinerating Processes
J. P. Perez	Saudi Aramco (Saudi Arabia)	Best Practice in Managing Stress Corrosion Cracking in Gas Pipelines
A. Zaminali	Saudi Aramco (Saudi Arabia)	Comparison Study of Analysis: Wear Metals in Lube Oil by Emission Spectroscopy & Ferrography
D. Niemeyer, N.S. Al-Bannai & S. Rao	Saudi Aramco (Saudi Arabia)	In-situ Weld Repair of Heavy Wall Thickness Combined Feed Exchangers
V. Neubert	Institut für Materialprüfung und Werkstofftechnik (Germany)	Corrosion Resistant Alloys: Heat Treatment Versus Corrosion Resistance
A. M. Nor, A. Z. Abas & A. Anwar	PETRONAS (Malaysia)	Failure Investigation of Heat Exchanger and Boiler Tubes of Floating Storage Offloading
F. N. Smith	Consultant (Canada)	Stainless Steel Reinforcement for Concrete Construction
A. Elhoud, H. Ezuber & W. Deans	University of Aberdeen (Scotland)	Influence of Cold Work and Sigma Phase Precipitation on the Pitting Corrosion Behavior of 25Cr Super Duplex in 3.5% NaCl Solutions
S. A. Shipilov & I. Le May	Metallurgical Consulting Services (Canada)	The Degradation of Buried Pipelines Having Cathodic Protection
G. R. Lobley	Saudi Aramco (Saudi Arabia)	Understanding Boiler Tube Failures
R. Al-Shammary	Saudi Aramco (Saudi Arabia)	External Stress Corrosion Cracking in an Oil Pipeline
A. Al-Ahmari, A. Baloochi & B. Al-Yami	SABIC (Saudi Arabia)	A Case Study of A Flare Tip Failure in MTBE Plant
G. Dini	Isfahan University of Technology (Iran)	Failure of Radiant Tubes - Review and Case Study Analysis

List of Accepted Abstracts

MATERIALS AND WELDING (Cont'd.)

AUTHOR	AFFILIATION	PAPER TITLE
W.A. Al-Harbi	SABIC (Saudi Arabia)	Case Histories of Stress Corrosion Cracking
A. Al-Ahmari, A. Babakr & B. Al-Yami	SABIC (Saudi Arabia)	Stress Corrosion Cracking of 316 Stainless Steel Bourdon Tube
C. M. Fowler	Bodycote Testing Group (UK)	Sour Service Testing - Understand the Materials Properties before Selecting the Test Method
C. van der Westhuizen, W. Al-Harbi, A. Al-Ahmari, & M. Al-Rabie	SABIC (Saudi Arabia)	Recommended Welding Practices to Minimize the Cracking of Thicker Sections of Stabilized Grades of Stainless Steel in Service
M.A. Al-Anezi, A.M. Al-Rumaih, S. Rao, & A.S. Al-Omari	Saudi Aramco (Saudi Arabia)	Elements Leading to HIC Failure of Pipe Fabricated from Sour Service Plate
S. Faza, J. Kwok & O. Salah	MMFX Technologies Corporation (USA) Zamil Group of Companies	Corrosion Resistant Steel for Concrete Reinforcement
S. Faza, J. Kwok & O. Salah	MMFX Technologies Corporation (USA) Zamil Group of Companies	Application of High Strength and Corrosion Resistant ASTM A1035 Steel Reinforcing Bar in Concrete Construction

NON-METALLIC MATERIALS

AUTHOR	AFFILIATION	PAPER TITLE
S. Frost	ESR Technology Ltd. (UK)	Some Thoughts on an Integrity Assessment Procedure for GRP Pipes
T. Renton	Superior Pipeline Fittings FZE (UAE)	Evolution of Composite Repairs for Pipelines
N. Dodds	Wellstream International Ltd. (UK)	Steel Reinforced Flexible Thermoplastic Pipe: Design and Applications
R.H. Martin	Materials Engineering Research Laboratory Ltd. (UK)	Use of Composite Materials and Thermoplastics as Corrosion Resistant Materials in the Oil and Gas Industry
R. El Ferkh	Materials Engineering Research Laboratory Ltd. (UK)	Successful Application of Fiberglass Pipe in Crude Oil Pipelines in the Arabian Gulf
G. Fallatah, A. Al-Hashem & H. Tarish	Saudi Aramco (Saudi Arabia) Petroleum Research & Studies Center, Kuwait	Cavitation Erosion Behavior of Fiberglass Reinforced Epoxy, Vinyl Ester and Phenolic in Sea and Formation Waters
A. Al-Hashem, J. Carew & G. Fallatah	Petroleum Research & Studies Center (Kuwait) (Saudi Aramco)	Microbiologically Induced Corrosion (MIC) of Three FRP Tubular Materials in Sea and Formation Waters
A. Dowe (Degussa) & S. Buchner	Polymer Consult GmbH (Germany)	Manufacturing of New VESTAMID® (Polyamide 12) Grades
S. Buchner, B. Thomson & T. Sheldrake	Polymer Consult GmbH (Germany) MERL Wellstream	Experimental Validation of Diflex: A Diffusion Model to Predict Annulus Conditions in Flexible Pipes
A. Lapeyre, P. Dang & M. Vigreux	Arkema Polymers (France)	Use of Durable Polyamid Coatings for Oil and Gas Applications
A. Al-Smadi, K. Jaradat & A. Zihlif	University of Jordan (Jordan)	Effect of Dead Sea Water on the Physical Properties of Glassy Thermoplastic Materials
T. Carlson & O. Salah	Strongwell (USA) Zamil Holding Company	Effective use of Composite Material for Jacket Installations in the Arabian Gulf
B. Melve, S. B. Axelsen P. I. Nice & K. Waterton	StatoilHydro (Norway) Capcis	Lifetime Evaluation of Composite Liners in High Temperature Water Injection Wells
J. Kalnins and M. Ferg	Crane Resistoflex (USA)	Corrosion Resistant Plastic-Lined Piping for Severe Chemical Service

List of Accepted Abstracts

PLANT INTEGRITY

AUTHOR	AFFILIATION	PAPER TITLE
A. Hussain	PETROKEMYA (Saudi Arabia)	Corrosion Under Insulation - A Unique Experience
D.A. Al-Fahad	Saudi Aramco (Saudi Arabia)	Pipeline Integrity Management System
T.A. Ba-Dhabi & A. A. Albeed	SABIC (Saudi Arabia)	Improving the Reliability of MTBE Reactor Cyclones
Sa'adan Mat, A.M. Nor, et al	PETRONAS (Malaysia)	Oxygen-Induced Corrosion of an Oil Refinery Condensate Fractionation Unit
D. Kirkwood, D. McNaughtan & M. Rae	Oceaneering International Services Ltd. (UK)	Improving the Sensitivity and End Usefulness of Risk Based Corrosion Assessments
M. Al-Sonidah	SABIC (Saudi Arabia)	Failures of Aboveground Storage Tank Bottom Plates
I.A. Al-Garawi	Saudi Aramco (Saudi Arabia)	Countering Corrosion at a Gas Oil Separation Plant
J. M. Brear & P. Jarvis	Stress Engineering Services (Europe) Ltd (UK)	The Influence of Manufacturing Variability and In-Service Degradation of Radiant Tubes
F. Dawoud	Saudi Aramco (Saudi Arabia)	Corrosion in Refining Amine Circuits - A Case Study
J. C. W. Palmer, A. M. Niembro & Wael S. Shouly	Abu Dhabi Operating Company (UAE)	Corrosion Mitigation Advances at Abu Dhabi Marine Operating Company: Lessons Learned in 45 Years
A. Nengkoda, M. Hajri, H. Barhi, M. Mandhari & K. Ghammari	PDO (Oman)	Systematic Souring Investigation, Monitoring and Corrosion Mitigation in M Field
M. Valliappan	PSG-Science and Technology Entrepreneurial Park (India)	Corrosion Management for Risk-based Inspection
S. Ahmad & A. A. Senani	Saudi Aramco (Saudi Arabia)	NDT Utilization in Failure Investigation of a Stripper Receiver in Saudi Aramco Yanbu Refinery
T. Y. Seng & G. Koch	Operations Excellence Det Norske Veritas (Abu Dhabi)	Pipeline Corrosion Assessment using in-line inspection (ILI) Approach
R. J. Mostert	MegChem Engineering and Drafting Services (South Africa)	A Systematic Approach to Failure Analysis as an Element of the Asset Integrity Management System

PROTECTIVE COATINGS

AUTHOR	AFFILIATION	PAPER TITLE
W.M. Ghawagy	Saudi Aramco (Saudi Arabia)	Using Retrowrap for Trestle Piles in a Refinery in the Middle East
A. Sherik	Saudi Aramco (Saudi Arabia)	Electrochemically Synthesized Nanocrystalline Metallic Coatings: Mechanical Properties and Applications in Oil and Gas
K. Al-Nabulsi	Saudi Aramco (Saudi Arabia)	Corrosion Behavior of Nanostructured Nickel-phosphorus and Cobalt-phosphorus Coatings
A. Fazlinejad	Tolerant Coating Ltd. (Iran)	Internal Epoxy Lining Importance in Sour Gas Media for Refinery Pressure Vessel
M. Gupta	Chemtreat India Ltd. (India)	Rapid Cure Single Coat Corrosion Protection Coatings
M.A. Saleem	Saudi Aramco (Saudi Arabia)	Ideal Option to Restore External Protection of Flowlines
D. Grimshaw	Jotun Powder Coatings A/S (UAE)	Handling Performance and the Benefits of a Multilayer FBE System
J. Harwood	Jotun Powder Coatings A/S (UAE)	Developments in FBE for the Protection of Steel Reinforcement Bars
B. Ghalaini	DuPont (UAE)	Advanced Protective Coating Systems for Downhole Production Tubing
F. Rezaei, E. Akbarinezhad, F. Sharif, A.A. Sarabi, M. Rahmainan, A. Fazlinejad & H. Rastkar	Research Institute of Petroleum Industry (Iran)	Comparison and Study of Urethane-Tar and Epoxy-Tar Coating Effectiveness for Corrosion Protection of Buried Pipelines by Accelerated Corrosion Methods and EIS
F. Rezaei, F. Sharif, A.A. Sarabi, M. Rahmenian & A. Fazlinejad	Research Institute of Petroleum Industry (Iran)	Selection of the Best Type Exterior Coating of Pipeline Based on Technical and Economical Considerations
A. Alborn & Mick Brown	Chartercoating Coating Service LTD (Canada)	Laboratory Testing of 31 Tank Lining Protective Coatings
J. E. Pritchett	Superior Products International II, Inc. (USA)	Thermal Insulation Coatings
M. Fletcher	International Paint Ltd. (UK)	Coating Selecting for Protection Against Corrosion Under Insulation

List of Accepted Abstracts

PROTECTIVE COATINGS (Cont'd.)

AUTHOR	AFFILIATION	PAPER TITLE
M. Magerstädt	ROSEN Swiss AG (Switzerland)	Intelligent Coating Solution
M. F. Mosser & P. Brooks	Sermatech International Ind (USA)	Field Application of Corrosion Protection for Turbomachinery
N. M. Hamdy	Petrojet (Egypt)	External Corrosion Control for Pipeline
M. Reda	CanadElectrochim (Canada)	New Mechanism for Cathodic Delamination of Organic Coating
T. C. Chevrot, J.P. Lamige, D. Melot, & G. Paugam	TOTAL E&P (France)	TOTAL's Philosophy for the Protection of Offshore and Onshore Equipment and Structures by Painting Systems
S. Rajendran	Saraswathi Narayanan College (India)	Biological Method to Cure Iron Rust - A Novel Approach

WATER TREATMENT AND CHEMICAL CLEANING

AUTHOR	AFFILIATION	PAPER TITLE
M.F. Al-Barout	Saudi Aramco (Saudi Arabia)	Reducing Cooling Tower Operation Costs by Utilizing High Salinity Water
J. Rasimas & A. Jaffer, J. Bates & M.A. Moore	Baker Petrolite (USA) iSagacity Saudi Aramco	Predicting Corrosion and Scaling Tendencies in Industrial Boilers Using Novel Software Program
P. Budhiraja & A.A. Fares	Federal Electricity and Water Authority (UAE)	Experience of Pickling/Passivation and Chemical Cleaning in Thermal Desalination Plant
P. Budhiraja & A.A. Fares	Federal Electricity and Water Authority (UAE)	Experience of Copper Based Materials in Thermal Desalination Plant
I. Andijani, et. al	Saline Water Desalination Research Institute (Saudi Arabia)	Studies on Boiler Tubes in Power Plants for Assessing Chemical Cleaning
A. H. Hodhan & M. N. Al-Dahlawi	Saline Water Desalination Research Institute (Saudi Arabia)	Care of High Pressure Boilers - A Study of Chemical Cleaning of Boiler Tubes

PLENARY LECTURES

AUTHOR	AFFILIATION	PAPER TITLE
M. Mucek	UOP (USA)	Corrosion Challenges Facing Today's Refining Industry
M. Salama	ConocoPhillips (USA)	Applications, Opportunities & Challenges of Composite Materials in the Oil Industry.
I. Le May	Federal University of Rio de Janeiro (Brazil)	High Temperature Damage Mechanism and Failures in Refineries
C. Johnson	NACE International (USA)	The Impact of Corrosion and the Future of Corrosion Prevention

POSTERS

AUTHOR	AFFILIATION	PAPER TITLE
R. A. Mokhtar ¹ , Y. A. Suliman, F. B. Al-Hanash, A. A. Al-Mahjoubi and H. B. Al-Hanash.	Chemistry Department ¹ , Faculty of Education, 7th April University and Industrial Research Center (Libya)	Analytical Comparison Study of Some Cathodic Protection Anodes
E. M. Al-Samsami	College of Science Chemistry Department Sultan Qaboos University (Oman)	Understanding Mercury Corrosion, Monitoring and Prevention in Gas Processing Plant
B. Chatterjee	Engineers India Limited (India)	Corrosion Protection of Reinforced Concrete Structures by CP System

Conference / Workshop Registration Form

12th Middle East Corrosion Conference & Exhibition, February 3 - 6, 2008 - Gulf International Convention Center, Gulf Hotel, Kingdom of Bahrain

Title: Dr./Mr./Mrs./Miss

First Name Middle Name Family Name

Position Department

Organisation

P.O. Box Address

City Country Postal Code

Telephone FAX Mobile

E-mail

Delegate Category and Fees (Tick appropriate box) 1 Bahraini Dinar is approx. US\$ 2.70

Conference Registration Fees

	Category	CONFERENCE FEE			
		One Day Registration		Full Registration	
		BD	US\$	BD	US\$
☐	BSE/NACE/AUTHORS	90	245	170	460
☐	Student Delegates	40	110	80	215
☐	All Other Delegates	110	295	195	525
	Exhibition Stand			750	2025

Method of Payment

Payment by one of the following must be included with the Registration Form:

- ☐ Please send invoice to the organization mentioned above (attach authorisation)
- ☐ I enclose a cheque/banker's draft payable to the Bahrain Society of Engineers

Bank Transfer - A/C No. 99065991, National Bank of Bahrain, Swift Code NBOBBHBM, Bahrain Society of Engineers

Please debit my ☐ AMEX ☐ Master Card ☐ Visa ☐ Diners Club

Card Number: Expiry Date:

Card Holder's Name & Address (if different from above):

Signature: Date:

Workshop No.	Title
1 ☐	The Composite Repair
2 ☐	ISO 15156
3 ☐	Corrosion Monitoring
4 ☐	Plant Integrity Management

Note:

1. Workshops are free of charge.
2. One workshop registration allowed for each delegate.
3. Workshops are available on a first come first served basis.
4. Full registration is required to attend any one of the workshops.

Conference Fee includes the following:

- Opening Ceremony and Dinner
- Conference Pack with Proceedings, etc.
- Attendance of all Conference Technical Sessions and one workshop
- Admission to the Exhibition
- Lunch on Conference Days
- Conference Banquet Dinner
- Refreshments during breaks

Cancellation & Refunds

Cancellation must be received in writing to the Conference Secretariat. A cancellation fee of BD 30 (US\$ 80) will be charged for cancellation received before 31st January 2008. After this date no refund will be given.

Please send this completed registration form along with appropriate fees to:

The Bahrain Society of Engineers

P.O. Box 835, Manama, Kingdom of Bahrain

Tel: +973-17727100, 17810725, Fax: +973-17827475,

E-mail: bseng@batelco.com.bh

or register online at: www.mecconline.org

Benefits Offered to Sponsoring Company



1) PLATINUM SPONSOR BD 5,000 (US\$ 13,500)

- a) Company name and logo of appropriate sizes will be published in all the conference publicity materials as Prime Sponsor.
- b) Entitled for eight square meter stand space with stand fittings at the exhibition hall.
- c) Three delegates from the sponsoring company may attend the conference with full package free of charge.
- d) All Conference participants and exhibitors from the Prime Sponsor will be provided free lunches, refreshments and conference dinner.
- e) Publicity materials will be included in the conference pack.
- f) Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- g) A full page advertisement shall be provided in the Exhibition Guide for the Platinum Sponsor.
- h) Senior representative of the Platinum Sponsor will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- i) Executive Officers will be treated as VIPs during the event and official lunches and dinner.
- j) Company logo size 2 m x 2 m will be displayed in the conference hall along with the conference banner and outside lobby.
- k) Company name and logo will be published in the conference proceedings.

2) GOLDEN SPONSOR BD 3,500 (US\$ 9,500)

- A) Company name and logo will be published in all the conference publicity materials.
- b) Entitled for six sq. meter stand space with stand fittings at the exhibition hall.
- c) Two delegates from the sponsoring company may attend the conference with full package free of charge.
- d) All Conference participants and exhibitors from the sponsor will be provided free lunches, refreshments and conference dinner.
- e) Publicity materials will be included in the conference pack.
- f) Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- g) A half page advertisement shall be provided in the Exhibition Guide for the Golden Sponsor.
- h) Senior representative of the Golden Sponsor will be honored with a Plaque by the Conference Patron at the opening ceremony
- i) Executive Officers will be treated as VIPs during the event and at the official lunches and dinner.
- j) One banner size 1.5 m x 1.5 m will be displayed in the conference hall, lobby and exhibition hall.
- k) Company name and logo will be published in the conference proceedings.

3) SILVER SPONSOR BD 3,000 (US\$ 8,100)

- A) Company name and logo will be published in all conference publicity materials.
- b) One delegate from the sponsoring company may attend the conference with full package free of cost.
- c) Publicity materials will be included in the conference pack.
- d) Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- e) Executive Officers will be treated as VIPs during the event and at the official lunches and dinner.
- f) Senior representative from the Sponsor will be honored with a Plaque by the Conference Patron at the opening ceremony.
- g) Company logo size 0.6 m x 0.6 m will be displayed in the conference hall along with the conference banner and outside lobby.
- h) One banner size 1 m x 1 m will be displayed in the conference hall.
- i) Company name and logo will be published in the conference proceedings.

Sponsorship Form

To co-sponsor the 12th Middle East Corrosion Conference and Exhibition,
Please complete this form and Fax it to +973 17 827475, to the attention of:

Conference Secretariat, 12th MECC 2008
Bahrain Society of Engineers, P.O.Box 835, Manama, Bahrain
Tel: (+973) 17727100, Fax: (+973) 17729819
Email: bseng@batelco.com.bh

OUR COMPANY IS PLEASED TO SPONSOR THE FOLLOWING CONFERENCE EXPENSES		
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☐ Silver Sponsor	BD 3,000	US\$ 8,100
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☐ Luncheon	BD 2,500	US\$ 6,700
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Company

Contact Person

Mailing Address

City Country Postal Code

Telephone Fax Email

Signature Date

Payment may be made by Bank Draft/Cheque payable to:

Bahrain Society of Engineers

A/C No. 99065991, National Bank of Bahrain (Main Branch), Swift Code: NBOBBHBM

SPONSORSHIP COORDINATORS

Mana Mansour
Tel.: +966-3-873-6789
E-mail: mana.mansour@aramco.com

Tariq A. Al-Ghamdi
Tel.: +966-3-873- 2131
E-mail: tariq.ghamdi.11@aramco.com

Exhibition

An exhibition will be held in conjunction with the technical sessions within the conference venue. The exhibition is intended to provide an opportunity for companies, consulting and research organizations display and demonstrate their products and services related to the subject of corrosion and other associated services. Interested organizations are encouraged to participate either by sponsoring the event or by taking part in the exhibition.

The exhibition stands are 3 m wide, 2 m deep and 2.5 m height. Stand fittings will consist of a system stand, two fluorescent lights, fascia board in English, one electrical power point and sufficient tables and chairs. In addition, each exhibitor will receive the following benefits:

1. Exhibitors names will be published in the conference web site.
2. Exhibitors profile and logo will be included in the Conference Proceedings CD.
3. Advertising space will be available in the Exhibition Guide and Final Conference Program.
4. A brief profile (8 – 10 lines) of each exhibitor will be included in the official exhibition guide which will be circulated to all invited government officials, VIPs, visitors and anticipating delegates.
5. Wide publicity will be given in the Gulf Region about the exhibition to attract consultants, contractors and government officials to visit the exhibition booths during the conference period.
6. Each exhibitor is entitled to one free full conference package.
7. Best three exhibitors will be selected and honored during the conference dinner. All other exhibitors will also be honored with certificates.

Cost of Exhibition Stand(s)

One full Exhibition Stand with fittings: BD 750 or US\$ 2025

Exhibition Space without fittings: BD 120 or US\$ 320 per sq. meters. Minimum size is 6 sq. meters.

Note: Acceptable forms of payment include Bahraini Dinars/US Dollars by bankers draft payable to Bahrain Society of Engineers or Credit Card Mail Order. Payment can also be made by direct Bank Transfer payable to:

Bahrain Society of Engineers

A/c No. 99065991, National Bank of Bahrain, Swift Code: NBOBBHBM

In case of cancellation of exhibition space before January 3, 2008, the exhibitor will be refunded the stand/space cost after deduction of nominal administration charges borne by the Conference Secretariat.

For further details, please contact:

Conference Secretariat
Bahrain Society of Engineers
P. O. Box 835
Manama, Kingdom of Bahrain

Tel: +973 17 727100
Fax: +973 17 827475
Email: bseng@batelco.com.bh

CUSTOMS CLEARANCE

The Conference Committee has appointed "Circle Freight International" as the official clearing agent to clear all display items imported for this Conference & Exhibition. They are providing Door to Door collection and delivery service through their offices all over in the world. Exhibitors wishing to import display items for the exhibition may contact them to their below address.

Mr. Sunil, Operations Manager

Circle Freight International, P. O. Box 5069, Manama, Kingdom of Bahrain

Tel: +973 17 735355/17731904, Fax: +973 17 735193

E-mail: sunil@circlefreight.com.bh or info@circlefreight.com.bh



Exhibition Stand Booking Form

12th Middle East Corrosion Conference & Exhibition, February 3 - 6, 2008
Gulf International Convention Center, Gulf Hotel, Kingdom of Bahrain

Company

Name of Representative

Position

Mailing Address

City Country Postal Code

Telephone Fax Email

Products or Services to be displayed

Signature Date

☐ **Option A**

No. of Stands Required

- Shell Scheme Package
- Participation Fees : BD 750 or US\$ 2025 (per 6 sq. m)

Stand Nos.

White wall panels 2.5 m Height. Carpet floor. Table with two chairs, two fluorescent lights, one 240 volt power supply (3pin) and a waste basket.

Select desired stand numbers from the exhibition layout.

☐ **Option B**

- Stand space only (Minimum 6 sq. m)
- Participation Fees : BD 120 or US\$ 320 (per sq. m)

Stand Nos.

Participation does not include any stand construction except one 240 volt power supply. (It is not permitted to use wall partitions of adjacent stands and stand construction exceeding the standard height of 2.5 m require written approval from organizer)

Payment may be made by Bank Draft/Cheque payable to:

Bahrain Society of Engineers

A/C No. 99065991, National Bank of Bahrain (Main Branch), Swift Code: NBOBBHBM

Conference Secretariat, 12th MECC 2008
Bahrain Society of Engineers, P. O. Box 835, Manama, Bahrain
Tel: (+973) 17727100, Fax: (+973) 17729819
Email: bseng@batelco.com.bh

12th Middle East
Corrosion
Conference & Exhibition



STAND NO.	NAME OF COMPANY	COUNTRY
B01	MDML Analytical Solutions FZC	UAE
B03	National Pipe Company Ltd	K.S.A
B04	Winn & Coales (Denso) Ltd	U.K
B07	CorrOcean SRL	ITALY
B08	Global Suhaimi Company	K.S.A
B09	Leica Microsystem	Germany
B10	Leica Microsystem	Germany
B11	Hajjan Trading Est. (HATCON)	K.S.A
B12	Hajjan Trading Est. (HATCON)	K.S.A
B15	Sensorlink	Norway
B16	Zamil Group Holding Co.	K.S.A
C05	SIPCO Paints	K.S.A
C06	Clariant Tamimi	K.S.A
C07	Abdullah Fouad Impalloy	K.S.A
C08	Al SuwaiKET Trading & Contracting Co.	K.S.A
C13	BAC Corrosion Control Ltd	U.K.
C15	Nalco Saudi Co. Ltd.	KSA
D02	Arabian Pipe Coating	K.S.A
D04	Zamil Group Holding Co.	K.S.A
D05	Qahtani Pipe Coating	K.S.A
D06	Baker Petrolite	U.S.A
D08	CRANE Process Flow Technologies	U.A.E
E03	Hempel Paints	K.S.A
E06	Rawabi Corrosion Technology Co. Ltd	K.S.A
E07	International Paint Saudi Arabia Ltd.	K.S.A
E08	SOGEC	K.S.A
E13	M.H.AL Mahroos	Bahrain
E14	CRANE Process Flow Technologies	U.A.E
E15	M.H.AL Mahroos	Bahrain
F01	SIGMA Paints	Bahrain
F03	Conclinic Arabia Co. Ltd	K.S.A
F04	TECHNO ARABIA INTERNATIONAL	K.S.A
F05	Conclinic Arabia Co. Ltd	K.S.A
F07	Al Faredh Establishment	K.S.A
F08	S3C - Saudi Conduit Coating Company	K.S.A
F11	Strongwell	U.S.A

Luxurious hospitality. A landmark in Manama just 10 minutes away from Bahrain International Airport and 5 minutes from the City Centre. The Gulf Hotel offers 366 well-appointed rooms of gracious style, uncompromising efficiency and thoughtful technology. The impressive and unrivalled Gulf International Conference & Exhibition Centre offers exhibition, meeting and pre-function areas with unequalled state of the art facilities. The hotel houses many of Bahrain's leading restaurants. For more information, please visit the Gulf Hotel website: www.gulfhotelbahrain.com

Accommodation Information

A block booking of rooms at the Gulf Hotel, the Conference & Exhibition Venue, has been made for the participants during the conference period. Following are the Special Gulf Hotel Corporate rates for the MEMEC 2007 conference participants. Please specify the conference name to get the special rate.

TYPE OF ROOMS	GULF HOTEL ROOM RATES PER NIGHT	
	BAHRAINI DINAR	US DOLLARS
Superior Room Single	55.000	148.500
Superior Room Double	60.000	162.000
Deluxe Room Single	60.000	162.000
Deluxe Room Double	65.000	175.500
Executive Floor	85.000	229.500
Deluxe Suite	180.000	486.000
Luxury Suite	250.000	675.000
Apartment - Single Room	80.000	216.000
Apartment - Double Room	105.000	283.500
Apartment - 3 Bedroom	185.000	499.500

The above room rates are subject to 15% service charge and 5% government levy per room per night. **Room reservation should be made directly with the hotel before 31st December 2007.** Room requests received after the deadline will be subject to availability. For online bookings please contact the Gulf Hotel Room Reservations:

Tel: (+973)17 746 341

Email: ghres@gulfhotelbahrain.com

SPECIAL BENEFITS for Guests of the Executive Floors

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- Complimentary afternoon tea in the executive lounge
- Complimentary fruit basket in the room
- Express check-in/check-out at the Executive Lounge
- Complimentary access to the Health Club
- Spouse sharing the same room stays free with full benefits
- Interactive Satellite Television in the room
- Late check out up to 6:00 PM (subject to availability)
- Wireless internet access
- Electronic safe in every room
- Secretarial Service

The following is a list of recommended 4 and 3 Star Hotels in the area along with their contact details for your inquiries:

- | | |
|---|--|
| 1) Ramada Hotel
Tel: +973 17 742000 | Mr. M. Al Thawadi
E-mail - ramares@batelco.com.bh |
| 2) Ramee International
Tel: +973 17 727230 | Mr. Hemant Sharma, Asst. General Manager
E-mail - rameeint@batelco.com.bh |
| 3) Al Safir Hotel & Tower
Tel: +973 17 827999 | Ms. Dania Soubra, Sales Representative
E-mail - safirsal@batelco.com.bh |



Conference Organizers



NACE International is recognized around the world as the premier authority for corrosion control solutions. It is dedicated to protect people, assets, and the environment from the effects of corrosion. It has more than 17,000 members in 100 countries. Built upon decades of knowledge and expertise from dedicated members all around the world, NACE International is involved in every industry and area of corrosion prevention and control, from chemical processing and water systems to transportation and infrastructure protection.



Bahrain, a group of 33 archeology islands, is rich in history and ancient civilizations and is situated in the Arabian Gulf, off the east coast of Saudi Arabia. The country offers a fascinating blend of eastern and western cultures as high rise buildings vie for space with more traditional dwellings and ancient traditions and historical sites mix with modern developments and cosmopolitan living. The capital Manama is a quite modern cosmopolitan city, which boasts world class restaurants, shopping centers, and tourist attractions. The visitor can investigate Bahrain history at the National Museum, visit archeological sites, visit a fort or mosques, or simply relax on the sun-drenched beaches. The climate is hot in summer and mild in winter. From November to April the weather is very pleasant, with temperatures ranging from 15 to 24 degrees centigrade. Arabic is the official language, but English is widely used by most businesses. For more information, please visit the website: www.bahraintourism.com



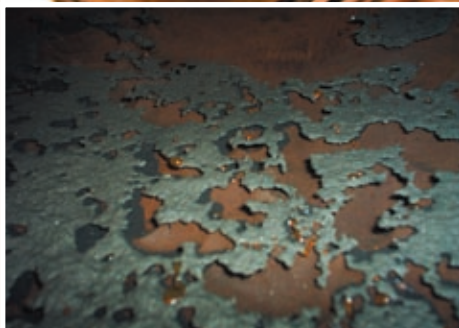
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THE BAHRAIN SOCIETY OF ENGINEERS

The Bahrain Society of Engineers (BSE) was established in July 1972 by the Ministry of Labour and Social Affairs (MLSA) as a professional institution that helps Bahrain's Engineers to contribute substantially to the development and modernization of Bahrain. BSE has vast experience in the organization of international conferences, seminars and workshops on various subjects in the engineering arena.

VISA

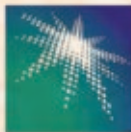
For a short-term visa, please visit Bahrain e-Visa website
www.evisa.gov.bh or www.immigration.gov.bh

1. All GCC Nationals are not required an entry visa to Bahrain.
2. All other Nationals residing in GCC and have a valid Residence Permit in their respective countries for minimum 6 months will get an entry visa for Bahrain for a period of one week on arrival at the Bahrain Airport or Causeway.
3. Nationals of EU countries, Australia, Canada, Japan, New Zealand, Norway, Switzerland and USA may obtain visas on arrival for tourist or business stays of up to 2 weeks. The fee is approximately US\$13. If working for a media company (e.g. a newspaper or TV company) a special invitation from the Bahrain authorities is required.
4. All Europeans, Americans, Malaysians by birth are not required a visa in advance. They will get a one week visa at the Bahrain Airport Immigration counter.
5. All other nationals should send their passport copies to the Conference Secretariat at least two weeks prior to the conference for arranging their one week visa. There will be a fee for Visa Stamp and handling BD. 20 or US\$ 55 to be paid to the Conference Secretariat in advance through bank transfer or credit card mail order.



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