

Conference Preview



Health challenges



Safety hazards



M E H S S E



Environmental effects



Security issues

SPE Middle East Health, Safety, Security and Environment Conference and Exhibition

4–6 October 2010
Gulf Hotel, Manama, Bahrain

Under the Patronage of H.E. Dr. Abdul-Hussain bin Ali Mirza
Minister of Oil and Gas Affairs
Chairman of the National Oil and Gas Authority
Kingdom of Bahrain

“Striving for HSE Excellence in a Changing World: Capacity, Energy Demand, Security, World Economy and Social Responsibility”

www.spe.org/events/mehsse/2010



Society of Petroleum Engineers

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WELCOME LETTER FROM THE MINISTER



Dear Colleagues,

Every day, millions of gallons of oil and natural gas are being produced in order to meet the high energy demands of our societies. However, while doing that, we strive to conserve valuable energy resources and protect our nation's health and environment.

Therefore, as an industry we need to continuously explore new technologies and offer better training to yield prevention against health and safety hazards. We have to ensure that we employ world-leading preparedness planning and response capabilities to minimise the harm caused to the environment.

The regional SPE Middle East Health, Safety, Security and Environment Conference and Exhibition is taking place 4–6 October 2010 at the Gulf Hotel, Manama, Bahrain, with the theme “Striving for HSE Excellence in a Changing World: Capacity, Energy Demand, Security, World Economy and Social Responsibility”. It will cover all aspects of HSE including: HSE management; behaviour based safety; risk management; process safety management and emergency response; social responsibility and sustainable development; land transportation and road safety.

On behalf of the National Oil and Gas Authority, I am very pleased to announce that we are supporting the regional SPE Middle East Health, Safety, Security and Environment Conference and Exhibition (MEHSSE) as an indication of our continuous dedication towards protecting our environment and our industry professionals.

I am certain that delegates who attend the three-day conference and exhibition will find it to be a valuable skill-developing experience that enriches and broadens their knowledge of HSSE.

Sincerely,

Dr. Abdul-Hussain bin Ali Mirza

Minister of Oil and Gas Affairs

Chairman of the National Oil and Gas Authority
Kingdom of Bahrain

PROGRAMME COMMITTEE LIST



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Programme Co-chairman
BAPCO



Larry Perkinson
Programme Co-chairman
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Andrew Nickerson
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ABOUT SPE



The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose members are engaged in energy resources development and production. SPE serves 92,000-plus members from more than 117 countries worldwide. SPE is a key resource for technical knowledge related to the oil and gas exploration and production industry and provides services through its publications, conferences, workshops, forums, and member-service programmes.

SPE is the industry-acknowledged information source for books and technical journals composed of member-generated content and peer-reviewed papers. SPE's website provides an immediate, global connection through its vast online library, distance learning courses, membership information, and online communities. SPE has seven offices worldwide located in Calgary, Dallas, Dubai, Houston, Kuala Lumpur, London and Moscow. For more information, visit our website at www.spe.org.



Technical papers from the SPE Middle East Health, Safety, Security and Environment Conference and Exhibition (MEHSSE) will be available at www.OnePetro.org.

OnePetro.org is an online library of more than 90,000 technical documents serving the oil and gas exploration and production industry. OnePetro* brings together technical documents from multiple industry-related societies, full-text papers and articles from journals and conferences around the world, and papers covering historical and emerging technologies. OnePetro's digital library utilises a sophisticated concept-based search engine that streamlines research time and helps users find solutions to technical issues that span multiple technical disciplines. Accessing search results is easy—OnePetro offers a range of subscription options, including individual pay-per-view purchasing and corporate/institutional subscription services.

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SCHEDULE OF EVENTS

	Room 1	Room 2	Room 3	Room 4
Sunday, 3 October 2010				
0800–1800 hours	SPE Land Transportation Safety Workshop			
1600–1800 hours	Conference Registration and Speaker Check-In			

Monday, 4 October 2010				
0730–1800 hours	Conference Registration and Speaker Check-In			
0900–1000 hours	Opening Ceremony			
1000–1100 hours	Inauguration of Exhibition and Coffee Break/Poster Session (Exhibition Floor)			
1000–1900 hours	Exhibition			
1100–1300 hours	Executive Plenary Session: Leading HSE Excellence			
1300–1400 hours	Luncheon (Exhibition Floor)			
1400–1530 hours	Panel Session 1: Environment Compliance			
1530–1600 hours	Coffee Break/Poster Session (Exhibition Floor)			
1600–1730 hours	Session 1: HSE Management I	Session 2: Behaviour Based Safety I	Session 3: Health I	Session 4: Risk Management
1830–2100 hours	The Regional SPE Honours and Awards Ceremony (Gala Dinner)			

Tuesday, 5 October 2010				
0800–1730 hours	Conference Registration and Speaker Check-In			
0900–1730 hours	Exhibition			
0900–1030 hours	Session 5: Safety Practices	Session 6: Environment I	Session 7: HSE Management II	Session 8: Process Safety Management and Emergency Response
1030–1100 hours	Coffee Break/Poster Session (Exhibition Floor)			
1100–1230 hours	Panel Session 2: The Value of External Certification			
1230–1400 hours	Luncheon (Exhibition Floor)			
1400–1530 hours	Session 9: Behaviour Based Safety II	Session 10: Health II	Session 11: Social Responsibility and Sustainable Development I	Session 12: Land Transportation and Road Safety
1530–1600 hours	Coffee Break/Poster Session (Exhibition Floor)			
1600–1730 hours	Panel Session 3: Security			

Wednesday, 6 October 2010				
0800–1700 hours	Conference Registration and Speaker Check-In			
0900–1700 hours	Exhibition			
0900–1030 hours	Session 13: Environment II	Session 14: Social Responsibility and Sustainable Development II	Session 15: HSE Management III	
1030–1100 hours	Coffee Break/Poster Session (Exhibition Floor)			
1100–1230 hours	Panel Session 4: Partnerships in Occupational and Community Health			
1230–1330 hours	Luncheon (Exhibition Floor)			
1330–1500 hours	Panel Session 5: Behaviour Based Safety			
1500–1530 hours	Coffee Break/Poster Session (Exhibition Floor)			
1530–1700 hours	Closing Ceremony: Summary—Health, Safety, Security and Environment			

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Sunday, 3 October, 0800–1800 hours

One-Day Workshop Land Transportation Safety

Moderator: Sadiq Al Lawati,
Vice President HES, OXY

Land transportation safety is a major concern for the international energy business. Statistics show that 27% of the fatal accidents which affected our industry worldwide over the 5 year period 2003–2008 were the direct result of vehicle accidents (the highest single contributor to fatalities). Furthermore, the incidence of land transportation accidents in the Middle East and North Africa region is higher than anywhere else in the world.

Land transportation accidents are avoidable, usually by very simple and cost effective measures. In fact, most measures cost nothing other than a change in attitude or behaviours.

Up to 95% of all land transportation accidents are caused by human error, or to put this another way, inappropriate behaviours on the part of drivers, passengers and pedestrians. Typical common examples are: not wearing a seat belt; inappropriate speed; disregard of weather conditions or terrain; dangerous manoeuvres, fatigue and distraction. By means of a few simple changes in behaviour all of these accidents can be prevented. Greater care and attention, defensive driver training, taking frequent rest breaks, driving in line with the terrain, weather conditions and speed limits, all of these measures are simple and effective in reducing land transportation accidents.

Technology is now at a level where there is no excuse for accidents. Vehicles are constructed in a way which provides protection to the occupants, tyres and brakes are better than ever before, protective air bags can be fitted, seat belts are universal and in-vehicle monitoring systems are gaining widespread use, particularly for driving in remote areas.

In short, there is no excuse for land transportation accidents but they still occur at

an alarming rate. Therefore this important SPE workshop will examine all of the issues around this subject with a view to highlighting effective prevention strategies. This participative workshop is an important step on the road to accident prevention.

Topics covered during the workshop include: management systems/monitoring (hardware and software); driver assessments; training and competency; hazardous materials; road maintenance and design (its role in road safety); off-road training and driving.

www.spe.org/events/10aba2

Monday, 4 October, 0900–1000 hours

Opening Ceremony

Opening remarks by:

- H.E. Dr. Abdul-Hussain bin Ali Mirza, Minister of Oil and Gas Affairs
Chairman of the National Oil and Gas Authority, Kingdom of Bahrain
- Alain Labastie, 2011 SPE President, Total

Monday, 4 October, 1100–1300 hours

Executive Plenary Session: Leading HSE Excellence

Moderator:

Mohamed Husain, Deputy Chairman and Deputy Managing Director Planning and Gas, Kuwait Oil Company

Panelists:

- Ali Al Jarwan, General Manager, ADMA-OPCO
- Belgacem Chariag, Eastern Hemisphere President, Baker Hughes
- Faisal Al Mahroos, Chief Executive Officer, BAPCO
- Ibraheem Assaadon, General Manager of Drilling, Saudi Aramco
- Saif Saed Al Naimi, Director, HSE Regulations and Enforcements, Qatar Petroleum

Registration Deadline: 2 September 2010

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Monday, 4 October, 1400–1530 hours

Panel Session 1: Environment Compliance

Moderator: Hesham A. Musaiid, Manager, Environmental Protection Department, Saudi Aramco

Globally, there is a rising public expectation of the industry, as a whole, to go beyond simple compliance with environmental regulations. Globalisation means that corporate or regulatory agency action in one part of the world can impact the entire international community.

Leading companies are developing environmental and social responsibility processes that not only meet regulatory requirements but seek to make a positive impact on their host countries and cultures, and to implement these processes across all their operations across the world.

This panel will highlight and discuss emerging environmental and social responsibility issues, the approaches used by global environmental leaders and case studies that demonstrate successful implementation of such initiatives.

Panelists:

- **Emmanuel Garland**, Head of Regulation Department, HSE Division, Total
- **Essa Al Ansari**, GM Engineering, BAPCO
- **Fareed Bushehn**, United Nations Environment Programme, (UNED)
- **Waddah S. Ghanem**, Chief EHSQ Compliance Officer, ENOC
- **Zara Khatib**, Technology Marketing Manager, Shell

Monday, 4 October, 1600–1730 hours

Session 1: HSE Management I

Session Chairpersons:

Muayyad A. Ajjawi, Qatar Petroleum
Stewart W. Behie, Dolphin Energy

1600	136554	Altering Perceptions of Safety Leadership: A Mechanism for Improving Performance K. Breitsprecher, K. Lang, A. Nickerson, Baker Hughes
1630	136663	Leadership and Commitment for HSE Excellence: What Really Worked! B. S. Adivi, I. Mataqi, Kuwait Oil Company
1700	136591	From Reporting to Performance Orientation: What Gets Measured, Gets Done A. M. Simion, Petrom Exploration and Production; U. Peball, OMV Exploration/Production Limited

Alternate/Poster

136592 How to Change the Culture on HSE towards Excellence in a Brownfield
 A. M. Simion, Petrom Exploration and Production S.A.; U. Peball, OMV Exploration/Production Limited

Registration Deadline: 2 September 2010

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Monday, 4 October, 1600–1730 hours

Session 2: Behaviour Based Safety I

Session Chairpersons:

Faris Al Mansouri, Kuwait Oil Company
Ron Wilcockson, Halliburton

1600	136622	Creating a Culture of Safety M. Moussa, M. A. Moussa, R. Hicks, Randy Smith Training Solutions
1630	137076	Behavioural Safety Myths and Misconceptions BAPCO Experience I. Hussain, BAPCO Environmental
1700	132119	Behavioural Incident Investigation L. Perkinson, Saudi Aramco

Alternates/Posters

133263 Highlights of Munger's 25 Tendencies of Human Misjudgement
W. H. Kuo, Saudi Aramco

134190 Promotion of Upward Safe Behaviour, an Essential Step in Successful Implementation of HSE Culture
R. Rahimi, Petropars Limited

Monday, 4 October, 1600–1730 hours

Session 3: Health I

Session Chairpersons:

Caroline Minshell, BP
Lucetta Holderness, BP

1600	136637	Effective Tuberculosis Management in the Oil and Gas industry R. T. Cox, IPIECA; F. Mika, Saipem
1630	136597	Human Factors Design Considerations for the Aging Population B. Mcgowan, Humantech
1700	136603	Ten (10) Years Risk of Coronary Heart Disease Events in Qatar Petroleum's Firemen and Non Firemen Staff in Qatar I. Mochtar, R. Hooper, Rakhmat S., M. Aljaidah, Qatar Petroleum

Alternates/Posters

136641 The Creation of Cost Effective Prevention Strategies for Business Travellers and Expatriates: Analysis of Medical Evacuation/Repatriation Data
P. Deroose, R. L. Quigley, International SOS

136640 Steps to Health
G. Schnieders, Wintershall

Registration Deadline: 2 September 2010

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Monday, 4 October, 1600–1730 hours

Session 4: Risk Management

Session Chairpersons:

Chris Prus, Tatweer Petroleum
Zaher Atya, Qatar Petroleum

Tuesday, 5 October, 0900–1030 hours

Session 5: Safety Practices

Session Chairpersons:

Ahmed Fakhroo, BAPCO
Nassir Mattar, Saudi Aramco

Registration Deadline: 2 September 2010

1600	136614	QRA Limitation and Criticality A. A. Al Abri, I. Jewitt, Petroleum Development Oman
1630	137075	Security Vulnerability Assessment (SVA) of BAPCO Physical Assets: A Semi Quantitative Risk Analysis for Prioritisation of Security Enhancement Engineering Projects R. Goyal, BAPCO Environmental
1700	136619	Integrating Security into the Management of an Oilfield Services Company in the Middle East and Asia J. Langford, J. C. Lopez, Schlumberger

Alternates/Posters

136617 Concept Phase Qualitative and Quantitative Risk Assessment: Applying Risk Assessment in the Early Phase of a Project and a Review of Risk Assessment Methods
G. H. Roberts, Environmental Resources Management; D. Campbell, PetroSA

136656 Industrial Hygiene Risk Assessment Using a Risk Assessment Matrix and a Dedicated Software
B. Pradier, J. Courandier, Total

0900	136567	Dropped Object Prevention L. J. Hogan, Baker Hughes
0930	136528	5S and its Effect on HSE Performance W. A. Ghany, Halliburton
1000	136625	Contactors Management and HSE Pre-Qualification in a Developing Country M. Al Showaiter, R. Hirst, B. M. Syed, Yemen LNG Company Limited

Alternates/Posters

134428 New Method to Improve On-Site Safety with IR Gas Cloud Imaging System
H. Jean Baptiste, F. Franck, B. Philippe, Bertin Technologies

136694 Controlling Ignition Sources Including Diesel Engines
J. Bhalla, AMOT

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Tuesday, 5 October, 0900–1030 hours

Session 6: Environment I

Session Chairpersons

Emmanuel Garland, Total
Ylva Gilbert, Gaia Consulting Oy

Tuesday, 5 October, 0900–1030 hours

Session 7: HSE Management II

Session Chairpersons

Ahmed Khalil, BAPCO
Larry Perkinson, Saudi Aramco

Registration Deadline: 2 September 2010

0900	136590	Leak Detection Technologies for Continuous Monitoring of Subsea Production Templates T. Vralstad, I. M. Carlsen, A. Melbye, SINTEF Petroleum Research; D. C. Llewelyn, DLC Enk
0930	136312	Environmental Impacts of Different NORM Disposal Methods J. R. Valeur, Ramboll Oil and Gas
1000	136708	Towards Sustainable Chemical Use through Chemical Leasing Y. M. Gilbert, Gaia Consulting; J. D. Downs, S. K. Howard, Cabot Specialty Fluids

0900	126728	Improving HSE Performance by Humanising the Management System J. C. Lopez, C. Fox, P. Bordage, G. Villarreal, E. Vega, A. Mejia, J. E. Revelo, Schlumberger
0930	132344	Managing the HSE and S Components of a Major Plant Shut-Down S. W. Behie, N. Aulmann, S. Lied, N. Cooper, M. Ashby, Dolphin Energy Limited
1000	136633	Initiating Young Professionals into the Culture of Safety T. Aggour, J. McKissack, Saudi Aramco

Alternates/Posters

132714 Potential and Early Opportunity: Analysis on CO₂ Geo Sequestration in China
 Z. Xuan, China University of Petroleum (Beijing); C. Zhang, Research Center of Data Interpretation in Shengli Logging Company

136650 A Carbon Footprint Management Programme for Resource Consumption Cost Reduction
 C. C. Rodrigues, J. Jeyaseelan, S. Unnithan, The Petroleum Institute

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Tuesday, 5 October, 0900–1030 hours

Session 8: Process Safety Management and Emergency Response

Session Chairpersons:

Hans J. Johansen, DONG E&P
Layla Janahi, Tatweer Petroleum

Tuesday, 5 October, 1100–1230 hours

Panel Session 2: The Value of External Certification

Moderator:

Abdulla Al Marzouqi, HSE Manager, ADCO

Registration Deadline: 2 September 2010

0900	136604	Emerging Trends in Process Safety U. Krishnan, Kuwait Oil Company
0930	137074	Lessons Learnt from Process Incidents: Viewing Historical Data through a Special Lens Called “Tenets of Operational Excellence” R. Goyal, BAPCO Environmental
1000	136618	Importance of Having a Good Robust Crisis/Emergency Response System During a Major Project in an Underdeveloped Country B. M. Syed, R. Hirst, Yemen LNG Company Limited

Alternates/Posters

108907 The Safety Benefits of Remote Operations Centres

A. Nickerson, K. Lang, Baker Hughes

136549 ICS Support Tool Developed to Coordinate Emergency Response Actions in Oil Refineries

G. C. Sandres, M. D. Souza Junior, V. A. Dantas, V. R. Pereira, Fundacao COPPETEC

External certification to systems such as quality, health and safety and the environment among others are becoming an expectation these days rather than an exception. Along with a company's own logo, they proudly boast the logos of their external certification bodies which at a glance give a value to customers and a positive image to the company. The customer, stakeholder or the public at large automatically associate these external certifications with proven performance; continual improvement; legal compliance and management commitment. This is only demonstrated by regular and thorough external audits which itself is a requirement of the certification process. Most organisations around the world believe in the importance of certification; however there are companies who believe that external certification does not add any business value and it is more of an expensive paper exercise.

Panelists:

- **Adrian Hearle**, Managing Director HSE and Director Business Development, PetroSkills
- **Koheila Molazemi**, HSE and Risk Section Head, DNV Energy Middle East
- **Santiago Estefania**, Global HSE Manager, Management Systems, Halliburton

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Tuesday, 5 October, 1400–1530 hours

Session 9: Behaviour Based Safety II

Session Chairpersons:

Ebrahim A. Talib, BAPCO
Juan Carlos Lopez, Schlumberger

Tuesday, 5 October, 1400–1530 hours

Session 10: Health II

Session Chairpersons:

Nasser Al Maskery, BP
Robert Cox, IPIECA

1400	136500	Improving Safety Behaviour Using ADKAR Model B. J. Al Qahtani, Saudi Aramco
1430	136623	Driving Safely on and off the Job M. Moussa, M. A. Moussa, R. Hicks, Randy Smith Training Solutions
1500	136198	Why Does Behavioural Based Safety Programme Fail M. Mansor, BJ Services

1400	136698	An Industrial Hygiene Programme for BP Sharjah L. J. Holderness, BP
1430	136501	Pre-Employment Medical Examination Proving to Be Boon For Potential Employees from Developing Countries A. Akhter, M. Aljaidah, A. Latif, Qatar Petroleum
1500	127101	Catch Me if You Can: Assuring Health Capability C. L. Minshell, BP

Alternates/Posters

136627 Reduction of Human Error by Inherently Safer Design: A Case Study
B. Hossein Nia, M. Zeinolabedini, N. Nabhani, Petroleum University of Technology Iran; E. Roayaei, National Iranian Oil Company

136721 Work Related Stress Survey for Sand EK Directorate at Kuwait Oil Company
I. Al Kahloot, Kuwait Oil Company

Alternate/Poster

136648 The Medical Evacuation of Patients with Infectious Diseases from Developing Countries: Duty of Care
R. L. Quigley, P. Deroose, International SOS

Registration Deadline: 2 September 2010

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Tuesday, 5 October, 1400–1530 hours

Session 11: Social Responsibility and Sustainable Development I

Session Chairpersons

Robert Hirst, Yemen LNG

Ylva Gilbert, Gaia Consulting Oy

Tuesday, 5 October, 1400–1530 hours

Session 12: Land Transportation and Road Safety

Session Chairpersons

Abdulla Al Marzouqi, ADCO

Bilal Syed, Yemen LNG

Registration Deadline: 2 September 2010

1400	126706	HSE for Youth Reinforcing an HSE Culture to Employees, Families and Communities in the Oil and Gas Industry M. Barnier, Schlumberger
1430	133075	Safety Enhancements in Wells within Populated Areas H. A. Al Quwaisim, L. O. Mashabi, A. A. Ruwaily, Saudi Aramco
1500	136576	Optimising Stakeholder Communication through Institutional and Community Focal Points to Foster a Stable Operating Environment J. Rascher, R. Hirst, R. Zerriatte, A. Al Shamsi, M. Aidrus, A. Gouriou, Yemen LNG Company Limited

1400	136652	Testing Drivers Aptitudes at Sites T. Lievre, Aegide International
1430	136662	Behaviour Based Safety Behind the Wheel R. B. Pelly, Baker Hughes
1500	111383	A Total Quality Approach to Improved Driver Training J. Bennett, Baker Hughes

Alternates/Posters

136643 Benefits from Linking Vehicles Data Recording to Training
T. Lievre, Aegide International; X. Daull, SAMODIA

136644 Journey Management Simulation for Training and Evaluation (Serious Game)
X. Daull, SAMODIA

Alternate/Poster

136226 Optimising Cleanup Strategies and Remedial Costs at the Wafra Oilfield, Kuwait
J. D. Wyatt, T. R. Quillen, M. S. Al Dossari, Y. Fahmy and S. E. Merritt, Chevron; A. Davis, J. Sheffield, Geomega

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Tuesday, 5 October, 1600–1730 hours

Panel Session 3: Security

Moderator:

Juan Carlos Lopez, QHSE Manager,
Schlumberger

“Project Risk Assessment from a Security Perspective”

The reality of today's world is that security has become an ever increasing concern and threat to the viability of current and future projects. The political turmoil and instability in many geographical areas within the Middle East expose companies to an ever increasing risk, not just to their employees, but to their investment, reputations and ultimate success.

A security programme can only be successful if it considers and involves all stakeholders.

To achieve this, a security programme must be seen as a critical element in the project design process. Is this the case today, and if not how can this best be achieved?

Panelists:

- **Abdullah Ghabbani**, Manager, Industrial Security Planning and Support Department, Saudi Aramco
- **Brandon Martin**, Regional Security Advisor, BP
- **Paul Beat**, Regional Director Middle East and Africa, Control Risk Group (CRG)
- **Russell Cancilla**, Vice President HSE and Chief Security Officer, Baker Hughes

Wednesday, 6 October,

0900–1030 hours

Session 13: Environment II

Session Chairpersons

Muayyad A. Ajjawi, Qatar Petroleum
Sadiq Al Lawati, OXY

0900	134287	Biodiversity Management in PETRONAS S. Othman, S. Foo, PETRONAS
0930	136529	State-of-the-Art of Remediation for Petroleum Industries A. Ayyaswami, Gannett Fleming; S. Vishwanathan, Bahwan Cyberdeck
1000	136575	Oil Exploration in Sensitive Environmental Protected Zone, “Impacts and Challenges” A. El Idrisy, White Nile Petroleum

Alternates/Posters

136175 Clean-Up of Sludge Pits Associated with Oil and Gas Industry in Kuwait Resolving Technical Concerns During Preparatory Phase
K. Vangala, K. Vangala, M. Al Mutairi,
D. Al Gharabally, Kuwait Oil Company

136601 Assessment of Co-Processing Technology as Alternative Oily Sludge Treatment in Indonesia
B. N. Cahyono, I. P. Sembiring, A. Adnan,
A. Imantyoko, Pertamina

Registration Deadline: 2 September 2010

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

**Wednesday, 6 October,
0900–1030 hours**

Session 14: Social Responsibility and Sustainable Development II

Session Chairpersons:

Muriel Barnier, Schlumberger
Oazi Azmat Isa, World Bank

**Wednesday, 6 October,
0900–1030 hours**

Session 15: HSE Management III

Session Chairpersons:

Larry Perkinson, Saudi Aramco
Ylva Gilbert, Gaia Consulting Oy

Registration Deadline: 2 September 2010

0900	136524	Preserving Yemen Bands Cultural Heritage Yemen LNG Bands Innovative Approach M. Sinnah, R. Hirst, Yemen LNG
0930	136631	Conflict Management by Corporate Social Investments J. C. Moraes, Petrobras
1000	136568	Conducting Labour Risk Audits and Implementing a Labour Risk Management Programme in Order to Create and Maintain Labour Stability R. Hirst, C. Kloppers, Yemen LNG

Alternate/Poster

136630 Competitiveness of “Unconventional Energy” Based on Cost and Environmental Sustainability
S. Rena, Environmental

0900	136616	Moving towards Efficient HSE Data Management System Using GIS Technology for Zakum Development Company S. Al Hameedi, Zakum Development Company
0930	136606	Using the Brain to Improve Incident Investigation B. J. Locker, Saudi Aramco
1000	136664	KOC Goes Live in HSE B. S. Adivi, M. Mohiuddeen, Kuwait Oil Company

Alternates/Posters

136624 The Case for Competence
M. Moussa, M. A. Moussa, R. Hicks, Randy Smith Training Solutions

136552 Enhancing Effective Accident Investigation through the Use of an Innovative Interview Method
F. Gabbert, Abertay University; K. Lang, A. Nickerson, Baker Hughes; L. Hope, University of Portsmouth

Updates after 30 June will be reflected in the on-site conference programme.

**Wednesday, 6 October,
1100–1230 hours**

Panel Session 4: Partnerships in Occupational and Community Health

Moderator:

Caroline Minshell, Health Director for MESA,
Indian SC and Africa, BP

Across the Middle East, with its multiple cultures, the leading causes of disease and death, both in the workforce and in communities, are coronary heart disease, diabetes, cancers, road traffic accidents and respiratory conditions. Infectious diseases such as TB, influenza and gastro-intestinal infections are also common. Although the solutions to these different health challenges vary, an increasingly common approach is the use of partnerships.

Partnerships can engender collaboration between intra-governmental departments, organisations, NGOs, employees and communities, and provide a basis for a framework that determines and enforces joint standards and regulations for occupational, environmental and public health management.

There is a growing pool of capable health and allied professionals and providers in the region who can help build this sustainable future and the capacity required.

Panelists:

- Ali Al Dossary, Preventive Medicine Advisor, Saudi Aramco
- Frano Mika, QHSE Manager, Saipem, ENI
- Maha Shehab, Occupational Health Specialist, Ministry of Health, Bahrain
- Nasser Al Maskery Health Manager, BP

**Wednesday, 6 October,
1330–1500 hours**

Panel Session 5: Behaviour Based Safety

Moderator:

Larry Perkinson, Saudi Aramco

Behaviour-Based Safety (BBS) techniques have been used around the world and in diverse industries to achieve excellent results. However, are there regional or organisational culture issues that affect the success of such implementations? What causes a BBS implementation to fail? Are there minimum or key safety system or culture attributes a company needs to have in place in order for BBS to succeed? What does current literature and research tell us? How about practical experiences, both good and bad? Our panel will explore these and other success-related issues regarding BBS implementation.

Panelists:

- Ahmed Al Menhali, General Manager, Emirates-ERM
- Brett Read, Director, Safety Leaders Group
- Ismail Mohamed, BBS Champion, BAPCO
- Sheikh Khalfan Al Esry, Oman, Prosper Management Consultancy
- Thomas Quick, Director, HSE Performance Systems, Bureau Veritas

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Monday, 4–Wednesday, 6 October

0900–1730 hours

Posters Session

Registration Deadline: 2 September 2010

132470	<p>Enhancing Safety Using New IT Technologies in Data Centers M. A. Bokhari, B. S. Al Otaibi, R. A. Al Alouni, Saudi Aramco</p>
133751	<p>Risk Based Environmental Management System for Gas to Liquids Industries N. Pon Saravanan, M. J. Van Vuuren, ORYX GTL</p>
136089	<p>Making Biobarrier in the Ground to Prevent Contamination Migration S. Shariatpanahi, A. Soodmand, University of Stavanger; H. Emadi, University of Tehran</p>
133825	<p>Design and Operation of Fluid Laboratories for Maximum Engagement of Students in HSE Issues J. M. Williams, M. M. Kissami, The Petroleum Institute</p>
136580	<p>Beyond Conventional HSE Risk Management: The Added Dimension of Personnel Security N. Lee, Oil Spill Response and East Asia Response</p>
136663	<p>Leadership and Commitment for HSE Excellence: What Really Worked! B. S. Adivi, I. Mataqi, Kuwait Oil Company</p>

136591	<p>From Reporting to Performance Orientation: What Gets Measured, Gets Done A. M. Simion, Petrom Exploration and Production; U. Peball, OMV Exploration/Production Limited</p>
136592	<p>How to Change the Culture on HSE towards Excellence in a Brownfield A. M. Simion, Petrom Exploration and Production S.A.; U. Peball, OMV Exploration/Production Limited</p>
133263	<p>Highlights of Munger's 25 Tendencies of Human Misjudgement W. H. Kuo, Saudi Aramco</p>
134190	<p>Promotion of Upward Safe Behaviour, an Essential Step in Successful Implementation of HSE Culture R. Rahimi, Petropars Limited</p>
136641	<p>The Creation of Cost Effective Prevention Strategies for Business Travellers and Expatriates: Analysis of Medical Evacuation/Repatriation Data P. Deroose, R. L. Quigley, International SOS</p>
136640	<p>Steps to Health G. Schnieders, Wintershall</p>

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Registration Deadline: 2 September 2010

136617	<p>Concept Phase Qualitative and Quantitative Risk Assessment: Applying Risk Assessment in the Early Phase of a Project and a Review of Risk Assessment Methods</p> <p>G. H. Roberts, Environmental Resources Management; D. Campbell, PetroSA</p>
136656	<p>Industrial Hygiene Risk Assessment Using a Risk Assessment Matrix and a Dedicated Software</p> <p>B. Pradier, J. Courandier, Total</p>
134428	<p>New Method to Improve On-Site Safety with IR Gas Cloud Imaging System</p> <p>H. Jean Baptiste, F. Franck, B. Philippe, Bertin Technologies</p>
136694	<p>Controlling Ignition Sources Including Diesel Engines</p> <p>J. Bhalla, AMOT</p>
132714	<p>Potential and Early Opportunity: Analysis on CO₂ Geo Sequestration in China</p> <p>Z. Xuan, China University of Petroleum (Beijing); C. Zhang, Research Center of Data Interpretation in Shengli Logging Company</p>
136650	<p>A Carbon Footprint Management Programme for Resource Consumption Cost Reduction</p> <p>C. C. Rodrigues, J. Jeyaseelan, S. Unnithan, The Petroleum Institute</p>
108907	<p>The Safety Benefits of Remote Operations Centres</p> <p>A. Nickerson, K. Lang, Baker Hughes</p>

136549	<p>ICS Support Tool Developed to Coordinate Emergency Response Actions in Oil Refineries</p> <p>G. C. Sandres, M. D. Souza Junior, V. A. Dantas, V. R. Pereira, Fundacao COPPETEC</p>
136627	<p>Reduction of Human Error by Inherently Safer Design: A Case Study</p> <p>B. Hossein Nia, M. Zeinolabedini, N. Nabhani, Petroleum University of Technology Iran; E. Roayaei, National Iranian Oil Company</p>
136721	<p>Work Related Stress Survey for Sand EK Directorate at Kuwait Oil Company</p> <p>I. Al Kahloot, Kuwait Oil Company</p>
136648	<p>The Medical Evacuation of Patients with Infectious Diseases from Developing Countries: Duty of Care</p> <p>R. L. Quigley, P. Deroose, International SOS</p>
136576	<p>Optimising Stakeholder Communication through Institutional and Community Focal Points to Foster a Stable Operating Environment</p> <p>J. Rascher, R. Hirst, R. Zerriatte, A. Al Shamsi, M. Aidrus, A. Gouriou, Yemen LNG Company Limited</p>
136226	<p>Optimising Cleanup Strategies and Remedial Costs at the Wafra Oilfield, Kuwait</p> <p>J. D. Wyatt, T. R. Quillen, M. S. Al Dossari, Y. Fahmy and S. E. Merritt, Chevron; A. Davis, J. Sheffield, Geomega</p>

TECHNICAL PROGRAMME

Updates after 30 June will be reflected in the on-site conference programme.

Registration Deadline: 2 September 2010

136643	Benefits from Linking Vehicles Data Recording to Training T. Lievre, Aegide International; X. Daul, SAMODIA
136644	Journey Management Simulation for Training and Evaluation (Serious Game) X. Daul, SAMODIA
136175	Clean-Up of Sludge Pits Associated with Oil and Gas Industry in Kuwait Resolving Technical Concerns During Preparatory Phase K. Vangala, K. Vangala, M. Al Mutairi, D. Al Gharabally, Kuwait Oil Company
136601	Assessment of Co-Processing Technology as Alternative Oily Sludge Treatment in Indonesia B. N. Cahyono, I. P. Sembiring, A. Adnan, A. Imantyoko, Pertamina
136568	Conducting Labour Risk Audits and Implementing a Labour Risk Management Programme in Order to Create and Maintain Labour Stability R. Hirst, C. Kloppers, Yemen LNG
136630	Competitiveness of “Unconventional Energy” Based on Cost and Environmental Sustainability S. Rena, Environmental
136624	The Case for Competence M. Moussa, M. A. Moussa, R. Hicks, Randy Smith Training Solutions
136552	Enhancing Effective Accident Investigation through the Use of an Innovative Interview Method F. Gabbert, Abertay University; K. Lang, A. Nickerson, Baker Hughes; L. Hope, University of Portsmouth

**Wednesday, 6 October,
1530–1700 hours**

Closing Ceremony

Moderator:

Emmanuel Garland, Head of Regulation Department, HSE Division, Total

Speakers:

Health Summary: Caroline Minshell, Health Director, MESA, Indian SC and Africa, BP
Safety Summary: Nassir Mattar, Saudi Aramco
Security Summary: Ron Wilcockson, HSE Manager, Halliburton
Environment Summary: Rob Cox, Technical Director, IPIECA

Closing Remarks by Programme Co-Chairmen and announcement of winners for:

- Best Paper Presentation Award
- Best Poster Award
- Lucky Draw

Lucky Draw

Drop your business card at the SPE booth to enter the raffle draw. Two lucky winners will walk away with prizes.



GENERAL INFORMATION

Updates after 30 June will be reflected in the on-site conference programme.

Accommodation

SPE has negotiated accommodation rates with the Gulf Hotel, Manama, Bahrain. The deadline for hotel bookings is Sunday, 12 September 2010. After which rooms and rates will be subject to availability. For the hotel booking form, please visit www.spe.org/events/mehsse/2010.

Cancellation Policy

Cancellations must be submitted in writing to SPE Middle East, North Africa and India, by fax to +971.4.366.4648 or email to sfaghihi@spe.org. Cancellations received prior to 1 August 2010 will receive a full refund less USD 100 processing fee. Cancellations received after 1 August 2010 and no-shows are not eligible for a refund.

Conference Proceedings

A copy of the Conference Proceedings on CD-ROM is included in the full conference registration fee. One-day attendees can purchase CD Proceedings for USD 200 for SPE members and USD 300 for nonmembers. Additional copies may be ordered using the registration form enclosed.

Copyright Information

All sessions are protected by US copyright laws. Photography and video/audio recording of any kind are strictly prohibited in the sessions and throughout the exhibition area except for authorised press.

Luncheons

Luncheons will be served on Monday, 4 October, Tuesday, 5 October and Wednesday, 6 October. Luncheon tickets are included in the full conference registration fee. The one-day conference registration fee includes a luncheon ticket for that day. Should you wish to purchase additional luncheon tickets for USD 35 each, please indicate for which day(s) on the registration form enclosed.

Registration

Online registration is available at www.spe.org/events/mehsse/2010. Alternatively, fax the completed registration form (enclosed) to +971.4.366.4648, or send a scanned copy of it by

email to formsdubai@spe.org. On-site registration and delegate badge collection will take place at the Gulf Hotel, Manama at the following times:

- Sunday, 3 October.....1600–1800 hours
- Monday, 4 October.....0730–1800 hours
- Tuesday, 5 October.....0800–1730 hours
- Wednesday, 6 October.....0800–1700 hours

To register to attend the SPE Land Transportation Safety workshop, log on to www.spe.org/events/aba2.

About Bahrain

Bahrain is an archipelago of 33 small islands and enjoys a strategic location in the Arabian Gulf midway between the Qatar peninsula and Saudi Arabia. Arabic is Bahrain's official language and English is widely spoken, especially for business purposes. The Bahraini dinar (BD) is the official currency of Bahrain. It is divided into 1,000 fils. The exchange rate is approximately \$1 = BD0.3770 and £1 = BD0.6259. Lightweight summer clothing is ideal with a wrap, sweater or jacket for air conditioned premises. Women are usually advised to dress modestly.

Students

Registration for students is complimentary, and includes admission to all technical sessions, exhibition and coffee breaks. Students are required to fax/e-mail a copy of their current student ID along with the registration form. Student registration does not include CD-ROM proceedings or luncheons.

Visa Information

SPE Middle East, North Africa and India will assist in providing a visa invitation letter, upon request in writing, to confirmed registrants after receiving full payment of registration fees. Visa invitation letters take five days to issue from the date of request and it is the delegate's responsibility to obtain their own visa. SPE cannot issue the visa nor can we guarantee it will be obtained.

SPE AWARDS CEREMONY



Previous Awards Ceremony (IPTC 2009)

The Regional SPE Honours and Awards Ceremony (Gala Dinner)

SPE members make many outstanding and significant technical, professional, and service contributions to the petroleum industry. The SPE Honours and Awards Programme recognises these significant technical and professional contributions to the worldwide oil and gas industry and to the petroleum engineering profession and exceptional service to the Society and to the greater community. The Regional Honours and Awards Ceremony will take place this year during an exquisite Gala Dinner alongside the SPE Middle East Health Safety, Security and Environment (MEHSSE), 4-6 October 2010, Manama, Bahrain. This Gala Dinner will take place on Monday 4 October from 1830 hours onwards. Conference delegates who have registered for the full conference have a ticket for the dinner included in their fees.

Additional tickets are available for purchase at USD100.

For more information about the Regional SPE Honours and Awards Ceremony (Gala Dinner) sponsorship opportunities please contact Sween Rajan at srajan@spe.org



Society of Petroleum Engineers

Middle East, North Africa and India

2010 Events

The Society of Petroleum Engineers offers many conferences and workshops throughout the Middle East, North Africa and India.

	20–23 July 2010	Workshop	Bangaluru, India Young Professionals Driving Tomorrow, Today Event Manager: Loreen Nisha (lnisha@spe.org)
	13–16 September 2010	Workshop	Mumbai, India Deepwater Development: Managing Risks and Uncertainties Event Manager: Loreen Nisha (lnisha@spe.org)
	27–29 September 2010	Workshop	Cairo, Egypt Deep Well Challenges II Event Manager: Deepa Choitram (dchoitram@spe.org)
	4–7 October 2010	Workshop	Abu Dhabi, UAE CO₂ EOR Projects: Opportunities and Challenges in the Middle East Event Manager: Ahmed Fahmy (afahmy@spe.org)
	3 October 2010	Workshop	Manama, Bahrain Land Transportation Safety (Alongside MEHSSE) Event Manager: Megha Chopra (mchopra@spe.org)
	4–6 October 2010	Conference	Manama, Bahrain SPE Middle East Health, Safety, Security and Environment Conference and Exhibition (MEHSSE) Event Manager: Megha Chopra (mchopra@spe.org)
	11–13 October 2010	Workshop	Abu Dhabi, UAE Intelligent Oilfields: A Practical Approach Event Manager: Barbara Stahli (bstahli@spe.org)
	17–19 October 2010	Workshop	Khartoum, Sudan IOR Techniques to Maximise Sudanese Oilfields Production Event Manager: Ahmed Fahmy (afahmy@spe.org)
	25–27 October 2010	Workshop	Dubai, UAE Overcoming Petrophysical Challenges in Middle East Reservoirs Event Manager: Caroline Attenborough (cattenborough@spe.org)
	25–27 October 2010	Workshop	Cairo, Egypt Artificial Lift Intelligence for Production Optimisation II Event Manager: Deepa Choitram (dchoitram@spe.org)
	31 October 2010	Workshop	Abu Dhabi, UAE Unleashing the Potential of Professionals in the Region: Working Hand in Hand, Bridging the Gender and Generation Gap (Alongside ADIPEC) Event Manager: Caroline Attenborough (cattenborough@spe.org)
	1–4 November 2010	Conference	Abu Dhabi, UAE Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC) Event Manager: Nikki Youlden (nyoulden@spe.org)
	9–10 November 2010	Workshop	Kuwait City, Kuwait Heavy Oil Resource: Opportunities and Challenges Event Manager: Deepa Choitram (dchoitram@spe.org)
	28–30 November 2010	Workshop	Cairo, Egypt Offshore Installations and Facilities Event Manager: Deepa Choitram (dchoitram@spe.org)
	29 November–1 December 2010	Workshop	Abu Dhabi, UAE Managing Scale and Asphaltene Event Manager: Muniza Bano Shaikh (mshaikh@spe.org)

There are four ways to register for SPE events:

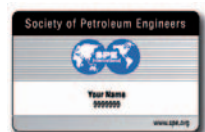
- Register online on the event website
- Call the event manager at +971.4.390.3540
- Download the registration form from the event website and fax to +971.4.366.4648
- Send an email to the event manager

Scheduled events are subject to change. Visit www.spe.org for updates.

For more information contact
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Society of Petroleum Engineers (SPE)

MIDDLE EAST

Health, Safety, Security and Environment Conference

October 4-6, 2010

Gulf Hotel, Manama, Bahrain

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