



**Environmental  
Technology &  
Management  
Association**

Saudi Arabian Section of  
Air & Waste Management Association

**Two Day Workshop: Environment and the Petrochemical Industry  
10-11 October 2011  
Damman, KSA**

Petrochem Arabia is pleased to announce that ETMA (Environmental Technology and Management Association) and KFUPM (King Fahd University of Petroleum and Minerals) will be running a two day workshop alongside the main conference.

The two day workshop has been created for petrochemical engineers, environmental specialists and HSE managers looking to reduce the environmental impact from the Petrochemical sector.

**About Petrochem Arabia**

Held bi-annually and with the strong support of key government entities, Petrochem Arabia provides a senior level conference and international exhibition focused on technological improvements and sustainability of the downstream and petrochemical industries.

**Find out more at [www.petrochem-arabia.com/environment](http://www.petrochem-arabia.com/environment)**



# Speakers



Dr. Abdulaziz Al-Shaibani holds a PhD in hydrogeology from Texas A&M University and has been the chairman of earth sciences department in KFUPM since 2005. In KFUPM, he has been teaching courses on hydrogeology, groundwater resources, environmental geology, and other related fields in addition to industry training courses in similar disciplines.



Dr. Mohammad Qurban is the Manager of the Marine Studies Section in the Center for Environment & Water of the Research Institute of King Fahd University of Petroleum & Minerals. He has been engaged in several projects, research programs, and cruises including ARAMCO sustaining research project, MEPA clean-up monitoring. Gulf War crisis assignments; include protection of marine turtles program, Mount Mitchell cruise.



Dr. Mohammad H. Makkawi works as a consultant, project manager, and educator for about 22 years. His areas of expertise include groundwater planning & management, numerical simulation, and environmental risk & impact assessment. He offers consultancy and training to Saudi Aramco, SABIC, SGS, and other national & regional entities. He holds a PhD (Civil Engineering) from Colorado State University since 1998.



Dr. Bassam Tawabini holds a PhD in water resources and environmental engineering since 2002 and he is currently teaching a number of graduate courses including advanced environmental chemistry, environmental pollution and environmental impact assessment (EIA). He has more than 24 years of experience as a senior research engineer and a project manager for many water and environmental projects.



Dr. Zaki Al-Bakri is the president & CEO of Environmental Horizons Co. one of the pioneers Companies in the field of Environmental Consultancies and Hazardous waste management. He graduated from USA. Dr. Albakri has over 28 years of experience in the field of Environmental & Engineering. He was the Environmental Manager @ SABIC / YANPET of approximately 25 years.



Bernie Patterson is the General Manager Middle East of AES International Consultants. He is a graduate from the University of Calgary, Alberta Canada. Mr. Patterson has over twenty nine years of experience in the Canadian and International oil and gas operations. He has a broad set of science skills in environmental, safety/ risk management, emergency response, regulatory, public/community relations and corrosion control/mitigation.



Engineer Jihad Shanaa has received his Master degree in Environmental Engineering from Memorial University of Newfoundland, Canada. Engineer Shanaa has over fifteen years of experience in different environmental fields including hazardous waste management, environmental compliance audits and Environmental Impact Assessments (EIA). He is currently holding the position of Technical Manager at Arabian Environmental Science Company (ARENSCO).

# WORKSHOP

## Environment and the Petrochemical Industry

**DAY 1**  
**10th October 2011**



**DAY 2**  
**11th October 2011**

### Session 1

10:00-10:20

Opening Session – Petrochemical Industry and the Environment

### Session 2

10:20-11:20 Air Quality-I

**Break** 11:20-11:40 Comfort Break

### Session 3

11:40-12:40 Air Quality-II

**Lunch** 12:40-13:45 Lunch Break

### Session 4

13:45-14:30 Groundwater-I

**Break** 14:30-14:45 Comfort Break

### Session 5

14:45-15:30 Groundwater-II

**Break** 15:30-15:45 Coffee Break

### Session 6

15:45 - 16:30 Groundwater-III

### Session 1

10:00-10:45

Opening Session- Waste Management-I

### Session 2

10:45-11:30 Waste Management-II

**Break** 11:30-11:40 Comfort Break

### Session 3

11:40-12:25 Marine Pollution-I

**Lunch** 12:25-13:25 Lunch Break

### Session 4

13:25-14:10 Environmental Impact Assessment (EIA)-I

**Break** 14:10-14:25 Comfort Break

### Session 5

14:25-15:10 Environmental Impact Assessment (EIA)-II

**Break** 15:10-15:30 Coffee Break

### Session 6

15:30 - 16:15 Petrochemical Industry Environmental Concerns

## Module Title

Opening Session  
Air Quality  
Marine  
Groundwater  
Waste Management  
EIA

## Presenters

Dr. Zaki Bin Sadik Al-Bakri  
Dr. Bassam Tawabini  
Dr. Mohammad Qurban  
Dr. Abdulaziz Al-Shaibani & Dr. Mohammad H. Makkawi  
Dr. Bassam Tawabini & Bernie Patterson  
Dr. Bassam Tawabini & Eng. Jihad Shanaa

www.petrochem-arabia/environment  
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I would like more information regarding:

Workshop

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## About ETMA:



**Environmental  
Technology &  
Management  
Association**

Saudi Arabian Section of  
Air & Waste Management Association

The Environmental Technology and Management Association (ETMA) is the Saudi Arabian Section of the Air and Waste Management Association (SAS-A&WMA). ETMA became the first international section of the association in 1993 and currently has approximately 200 members. The goals of A&WMA are to promote technology exchange, professional development, networking opportunities, public education and outreach events. Find out more at [www.etma-sa.org](http://www.etma-sa.org)

## Organising Committee:

### 1) Committee Chairman-

Humoud Al-Utaibi, ETMA Chairman, Saudi Aramco

### 2) Workshop Facilitator -

Nabil Hijazi, Business Development Director, AES International Consultants

### 3) Event Marketing Representative -

Tarek Al-Mushrafi, Business Development Executive, Arensco

### 4) ETMA Event Activities & Exhibition Coordinator -

Rakan Hassan, Environmental Specialist, Arensco



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