

# 4<sup>th</sup> MIDDLE EAST NONDESTRUCTIVE TESTING CONFERENCE & EXHIBITION 2007

December 2 – 5, 2007,

Gulf International Convention Centre, Gulf Hotel, Kingdom of Bahrain



## Preface

### Advanced NDT Technologies: Challenges and Implementation



Organised by



SAUDI ARABIAN SECTION OF  
THE AMERICAN SOCIETY FOR  
NONDESTRUCTIVE TESTING



جمعية المهندسين البحرينيين  
THE BAHRAIN SOCIETY OF ENGINEERS

# Welcome to 4 MENDT



**Fathi Al-Qadeeb**



## Conference Chairman

The Saudi Arabian Section of the American Society for Nondestructive Testing along with the NDT Chapter of Saudi Council of Engineers and Bahrain Society of Engineers are organizing the Fourth Middle East Nondestructive Testing Conference and Exhibition at the Gulf International Convention Center, Gulf Hotel in Manama, Kingdom of Bahrain on December 2-5, 2007.

The conference organizing committee is proud to announce that the first three MENDT conferences were very successful with over 1000 attendees and more than 120 exhibitors participating in the only Middle East event dedicated to nondestructive testing. These conferences have provided an excellent forum for NDT professionals, service providers & users, and vendors from all over the world to interact and share their knowledge and experience in the use of the latest NDT technologies to address inspection challenges in the Middle East region.

The highlight of the Fourth Middle East Nondestructive Testing Conference and Exhibition will be the informative keynote address and plenary lectures by distinguished international figures in the field of NDT. The technical program will in-

clude sessions and courses in the various NDT disciplines. You will also have the opportunity to visit the Exhibition, where industry leaders in the field of NDT will have their products and services on display.

It is an honor to invite you and your organization to participate in this important event. The conference organizing committee is confident that you will find this event as a key to solve your inspection challenges and hope your organization will participate in this unique conference.





## Introduction

The Middle East region is the site of the largest oil, gas & petrochemical production in the world and is currently undergoing a boom in capacity expansion more than \$400 billions in new construction project. Sustaining energy production & growth is a challenge and equipment reliability is critical. Therefore, NDT plays an essential role to ensure reliable operation of such equipment and to meet the increasing world energy demands.

This conference offers a unique venue for NDT professionals to interact and share and exchange experiences of inspection problems and to explore the latest NDT technologies to address inspection challenges in the Middle East region. This conference is a world class venue to share best practices, success stories and proven technologies by presenting technical papers and to demonstrate the most recent state-of-art NDT technologies. In addition, select distinguished international keynote speakers, top experts and professionals in the field of NDT will participate in this high caliber conference through presentations, seminars and workshops.

The Fourth Middle East Nondestructive Testing Conference and Exhibition will provide a place

for NDT professionals to interact and share and exchange experiences of inspection problems and to explore the latest NDT technologies to address inspection challenges in the Middle East region.

### RELEVANCE:

#### PEOPLE

NDT practitioners, Inspection Personnel, Engineering Professionals, Engineering Managers, Corrosion Consultants, Reliability Engineers, Equipment Suppliers, and Researchers.

#### INDUSTRIES

Oil & Gas Production, Petrochemical, Power Generation, Aerospace, Desalination, Manufacturing Industries, NDT Service and Equipment Providers, Universities and Research and Development Organizations.

#### EQUIPMENT

Pipelines, Pressure Vessels, Boiler, Heat Exchanger, Plant Piping, Aerospace Crafts, Buildings, Roads, Bridges, Railway, and Medical Gear.



## Topics

The conference will include formal presentations, workshops, and panel discussions. The technical program will include the following topics:

- ⊗ NDT Technologies for Non-Scrapable Pipelines
- ⊗ Certification and Training of NDT personnel
- ⊗ Inspection for Corrosion Under Insulation
- ⊗ Acoustic Emission Applications for Aging Infrastructure
- ⊗ Permanently Installed Monitoring
- ⊗ NDT for Upstream and Drilling
- ⊗ Smart Sensors and Robotic Applications
- ⊗ NDT for Coatings and Composites
- ⊗ Advanced Ultrasonic Techniques for FFS Analyses
- ⊗ Boiler and Heat Exchanger Inspection Methods
- ⊗ Risk Based Inspection
- ⊗ NDT for Under Ground Piping / Road Crossing
- ⊗ Digital Applications of Radiography
- ⊗ NDT for Aerospace
- ⊗ NDT for Transportation; Roads, Bridges, Railways
- ⊗ NDT for Medical Applications

## Conference & Exhibition Venue

The conference and exhibition will be held at the Gulf International Convention & Exhibition Center, Gulf Hotel, Kingdom of Bahrain. The Gulf Hotel offers luxurious hospitality. A landmark in Manama, just 10 minutes away from the 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.



## Short Courses

Short Courses will be offered by experts in NDT in conjunction with the conference. The Short Course coordinator is shown below:

### Mohammad AL-Salih

Conference Vice Chairman  
P.O.BOX 826, Dhahran 31311  
Tel. (966) 3 872-0157  
Fax (966) 3 872-0630

## Conference Language

The official conference language will be English. Papers, visual materials and other documents will be presented in the English language.

# Executive Committees

## Conference Chairman

F. E. Al-Qadeeb ASNT-SAS

## Conference Vice Chairman

M. A. Al-Saleh ASNT-SAS

## Technical Program Committee

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## Exhibition Committee

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 A. Janahi BSE  
 M. A. Al-Omair ASNT-SAS  
 A. Y. Al-Hammali ASNT-SAS

## Conference Coordinator

T. Shankar Menon BSE  
 Sharmila Vadi BSE

## Gulf Coordinators

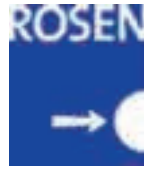
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 Mohammed Al-Ansari QATAR  
 Dr. Ali Khaloo IRAN  
 Willem Bost OMAN



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 organisation of international conferences, seminars and workshops on various subjects in the engineering arena.

# PLATINUM SPONSORS

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# PARTICIPATING ORGANIZATIONS

