



BAHRAIN
SOCIETY OF
ENGINEERS

SEMINAR ON INTRODUCTION TO **PROCESS HAZARD ANALYSIS**

07-08 April 2020

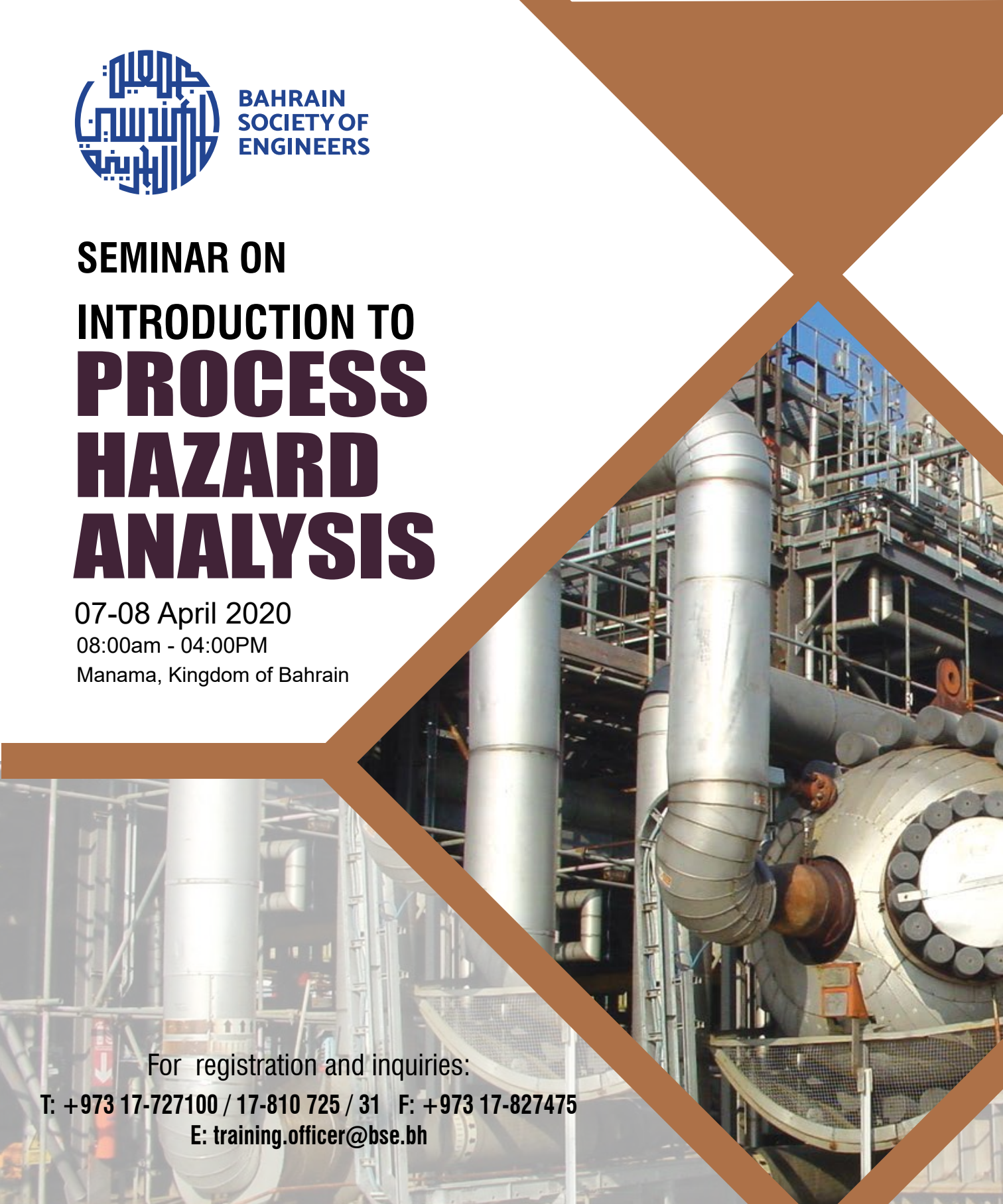
08:00am - 04:00PM

Manama, Kingdom of Bahrain

For registration and inquiries:

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Introduction:

The process of hazard analysis is a thorough, orderly and systematic approach to identify, evaluate and control the hazards of processes involving hazardous materials. An initial process hazard analysis must be performed on all process units in the oil and gas sectors. The PHA must be appropriate to identify, evaluate and control hazards involved in day processes. The course is designed to cover elements and understand the process to eliminate any potential hazard in the oil and gas industry.

Objectives and benefits

The participants must understand the following principles:

- What if
- Checklist
- Hazard and operability study (Hazop)
- Failure mode and effects analysis (FMEA)
- An appropriate equivalent methodology
- Consequences of failure and failure control
- Human factors and facilities
- Identification of any previous incident and lessons learnt



Seminar outline

Definition of process hazard analysis as per the process safety management standard

Highlight some history of the PHA and its applications and benefits.

PHA methodology

PHA matrix for hazard evaluation, analysis and control

Understand the concept of ALARP

Methodology

There will be several short lectures, followed by case studies, videos, games, practical assignments, group workshop and discussions.

Who should attend ?

Process engineers, mechanical, civil, electrical engineers, operators, technicians and designers should attend. Such a course identifies and controls the hazard risk in oil and gas, refineries, petrochemicals and water desalination and power plants.

Facilitator

Mohamed Alaradi

An offsite and utilities Senior Project Engineer, holding a BSc in Mechanical Engineering from KFUPM at Saudi Arabia, with 27 years of experience in oil and gas specialized static equipment design, material selections, installation and maintenance such as storage tanks, pressure vessels, heat exchangers, heaters, pipelines ...etc.

Active member of Bahrain Society of Engineers (BSE) holding technical training courses for new engineers technicians in Basic Engineering Skills and Best Practices for design, selection and execution of successful engineering projects and Project Management System for professional engineers.

Introduction to Process Hazard Analysis (PHA)

REGISTRATION FORM

Name: _____

Organization: _____ Department _____

Position: _____ Email: _____

Address: _____

Telephone: _____ Mobile: _____ Fax: _____

Seminar	Date & Venue	Timing	Registration Fee
Introduction to Process Hazard Analysis (PHA)	07-08 April, 2020 Manama, Bahrain	8:00pm to 4:00 pm	BD 200

Note:

- For Individual/ overseas, payment shall be received upon submission of the completed registration form.
- Registration shall be reconfirmed only once payment has been made prior to the course.
- No Show of participant/s during the course will be charged in full amount accordingly.
- Cancellation of participant/s shall be submitted in writing to BSE ten days (10 days) before the course.

Method of payment:

- I will pay by Cash
- Invoice the Organization (Please attach the authorization)
- I enclose a Banker's Draft payable to Bahrain Society of Engineers-Training Centre
- Bank BIC: NBOBBHBM / IBAN: BH18 NBOB 0000 0099 0989 11 - National Bank of Bahrain-Manama Main Branch
- Please Debit to Amex: Visa: Master Card:

Card Number: Expiry Date:

Card Holder's name and address (if different from above)

Signature: _____ Date: _____

