

## Pre-Conference Program



Saudi Council of Engineers and the Society of Fire Protection Engineers - Saudi Arabian Chapter (SFPE-SAC) invite you to attend the 6th Safety & Fire Protection Pre-Conference Workshop

### Workshop - 1

#### UNDERSTANDING THE FIRE ALARM AND SIGNALING CODE (NFPA 72-2013/2016)

NFPA 72, the National Fire Alarm and Signaling Code®, provides direction on the design, installation, testing and inspection, and documentation of fire alarm and emergency communication systems of various types. This document can be difficult to understand. This 3-day seminar is designed to provide basic and intermediate instruction on the contents of NFPA 72. Upon completion, attendees will understand:



INSTRUCTOR:  
LARRY D. RIETZ, SET  
JENSEN HUGHES, INC.

- Fire Alarm System Basics.
- Understand NICET certification.
- NFPA 72 basic structure and layout.
- NFPA 72 documentation requirements.
- NFPA 72 detection and notification principles.
- NFPA 72 Emergency Communication Systems basics.
- NFPA 72 Inspection, Testing and Maintenance requirements.
- Principles of NFPA 70 Article 760.

Attendees must attend the entire seminar to receive a Certificate of Attendance.

### Workshop - 2

#### DESIGN OF FIRE PUMPS AND FIRE SERVICE MAINS (NFPA 20 AND 24/2016)

NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection® and NFPA 24, Standard for the Installation of Private Fire Service Mains and Their Appurtenances® serve as the basic standards for understanding the site water supply infrastructure supporting fixed water based fire protection systems and fire service operations. This 3-day seminar is designed to provide basic and intermediate instruction on the contents of NFPA 20 and NFPA 24. Upon completion, attendees will understand:



INSTRUCTOR:  
ADAM ODOMON, PE  
JENSEN HUGHES, INC.

- Fire pump specifications and requirements.
- Types of fire pumps.
- Fire pump acceptance testing, inspection, and maintenance.
- Possible causes of pump troubles.
- Waters supplies.
- Hydrants, hose houses and equipment.
- Hydraulic calculations.
- Valve supervision issues.
- Water main inspection testing, and maintenance.

Attendees must attend the entire seminar to receive a Certificate of Attendance.



# Workshop - 3

## INDUSTRIAL FACILITIES EMERGENCY RESPONSE ENHANCEMENT

Emergency response for industrial facilities is an important consideration due to the nature of the hazards contained in these facilities. Several topics will be covered centered around techniques for enhancing emergency response readiness and capabilities. This 3-day seminar is designed to provide basic and intermediate instruction on issues relevant to fire brigade personnel, fire marshals, and incident commanders. Upon completion, attendees will understand:



**INSTRUCTOR:**  
WILLIAM (BILL) BUIRCH  
JENSEN HUGHES, INC.

- Fire hazard identification.
- Pre-incident planning.
- Using NFPA 600 to develop fire drill requirements.
- Using Digital Combustion, a commercial software used to provide visual cues to fire drill scenarios, as a tool to support drills.
- Fire Dynamics Simulator (FDS) as a Structural Fire Drill Tool.
- Using NFPA 1410 as a basis to develop site specific performance measures.
- Staffing and standard operating procedures.
- Increasing effectiveness of response.
- Transformer and steam turbine failures and fires.
- Contingency planning for beyond design basis events.

Attendees must attend the entire seminar to receive a Certificate of Attendance.



*Workshop Fees for SFPE and SCE Members: \$ 1,500 USD*  
*Workshop Fees for Non-SFPE and Non-SCE Members: \$ 1,650 USD*



*Payment :*

*Bank transfer to the following Account:*

*Name: Saudi Council of Engineers*

*Bank Address: Alinma Bank*

*Account Number (IBAN): SA4905000068200000003009*

*To register, visit the event website:*

*<http://safety.saudieng.sa/>*

*For more information, please contact the event coordinator at [sfpesaudi@gmail.com](mailto:sfpesaudi@gmail.com)*

*or visit the event website <http://www.sfpe-sac.org/Exhibition2016>.*



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