

Dynamic Piping Stress Analysis CAESAR II

Five Days Session

**October 18th – 22nd
2020**

COURSE OBJECTIVE

This course (workshop) is crafted for engineers and specialists seeking for further knowledge on the analysis of piping system under dynamic load conditions using CAESAR II.

Participants would be able to apply their skills in CAESAR II to solve and analyze dynamics stress problems.

This course combines understanding of piping vibration through extensive applications of the software to actual field history cases and exercises. It will enhance the analytical capability for piping stress and flexibility analysis at dynamic load conditions.

Course Outline

- ~ Introduction to Dynamic Loading and CAESAR II Features
- ~ Applications of Modal Analysis
- ~ Harmonic Analysis & Its Application
- ~ Spectrum & Time History Analysis
- ~ Applications of Vortex Shedding
- ~ Special Topics

CONTACT INFORMATION

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WHO SHOULD ATTEND

- Engineers experienced with CAESAR II
- Pipe Stress Engineers
- Vibration Specialists
- Piping Engineers
- Design Engineers
- Reliability Engineers involved in O&G and Petrochemicals.

Muhsen AlSannaa

The instructor is an experienced piping & pipelines consultant with over **35** years solving various field problems in his area of expertise, reviewing design projects, performing piping stress analysis. He has developed standards, research concepts & SOW. He was a leader for engineers & designers. He has been teaching stress analysis since 1993 at Saudi Aramco and for ASME.

Time	Activities
07:30 - 08:00	Registration & breakfast
08:00 - 10:00	Morning session 1
10:00 - 10:15	Coffee Break
10:15 - 12:15	Morning session 2
12:15 - 13:30	Prayer & Luncheon
13:30 - 15:00	Afternoon session 1
15:00 - 15:15	Coffee Break
15:15 - 17:00	Afternoon session 2

Accredited by Technical and Vocational Training Corporation

Location

Mercure Hotel Al-Khobar

معتمدة من المؤسسة العامة للتدريب التقني والمهني