PD689
Piping Codes & Standards: Design Rules and Current Developments

Day One – Introduction & Classification – Loading conditions – Piping Modeling for Analysis

- Introduction
- ASME Code developments
- ASME Piping Code historical background
- European piping codes
- USNRC regulatory requirements and SRP
- European regulation and piping code conformity
- Safety and seismic classification
- European classification
- Loading conditions and load combination
- Modeling of piping systems for analysis
- 1st day synthesis – Questions and Answers

Day Two – Piping Design Codes & Piping Specific Topics

- ASME piping Code rules – Comparison with European Code
  - ASME B31
  - ASME Section III – NB, NC, and ND
  - EN 13480
  - RCC-M B- C – D
- Class 1 Fatigue Analysis and environmental effects
- Piping Seismic Analysis: deterministic/ probabilistic
- 2nd day synthesis – Questions and Answers

Day Three - Piping Specific Topics & Ongoing Developments

- High energy line break
- Leak before break
- HDPE and other non-metallic piping systems
- Buried pipe design and inspection
- Vibration analysis and protection
- 3rd day synthesis – Questions and Answers
- Workshops