
Pipe Stress and FEA Training Seminar

2012 North American Schedule

Calgary: March 19 – 22, 2012

Houston: April 17 – 20, 2012

Pipe Stress Analysis: Days 1-2

- Day 1
- Basic Piping Concept Review
 - Proper Flexibility Analysis (intersections, pipe, supports, structural steel)
 - Proper SIFs for Intersection Components
 - Rotating Equipment Issues
 - Combination of Stresses
- Day 2
- Multiple Load Cases
 - Use of Path Dependent Friction
 - Load Factor Design Approach
 - Failure Analysis
 - Simplified Post Construction Approaches
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Finite Element Analysis / Practical Application: Days 3-4

- Day 1
- Basic Analysis Methods (NozzlePRO)
 - Beam, Shell, Plane Stress/Strain, Axisymmetric, Volumetric (NozzlePRO)
 - Getting around FE/Pipe to solve Failure Analysis and Code Problems
 - Major Stumbling Blocks with FEA
 - New ASME Fatigue Rules and their Implementation in FE/Pipe
 - Primary Load Rules in the A08 VIII-2 and their application in FE/Pipe
- Day 2
- Elastic Fatigue Code Options
 - Elastic-Plastic Primary and Occasional Approaches (FE/Pipe and PlasTEX)
 - High Temperature Material Properties and Evaluation
 - Buckling (Elastic, Bifurcation and Elastic/Plastic)
 - Ratcheting Requirements in A08 VIII-2
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Course designed by: Tony Paulin, Jr., P.E.

- Original Author of the CAESAR II® Pipe Stress Analysis Program
- Co-Author of the FE/Pipe & NozzlePRO Finite Element Analysis Programs
- Co-Author of BOS Fluids Steady State and Transient Fluid Flow Simulator
- Co-Author of PCL-Gold Pipe Stress Module with applied FEA Technology
- Member of B31 Mechanical Design Code Committee 1994 to Present



PAULIN RESEARCH GROUP

REGISTRATION FORM

Pipe Stress and FEA Training Seminar
Houston, Texas USA • April 17 – 20, 2012

- OPTION ONE:** Pipe Stress Analysis Only
This section to be taught by Tony Paulin, Jr. P.E.
April 17 – 18, 2012
Cost: \$1,700.00 US
- OPTION TWO:** Finite Element Analysis / Practical Application Only
April 19 – 20, 2012
Cost: \$1,500.00 US
- OPTION THREE:** Attend All Four (4) Days
April 17 – 20, 2012
Cost: \$2,700.00 US

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|---------------------------|-----------------------------------------------------------------------------------------------|
| Seminar Location: | PRG Offices 11211 Richmond Ave. Suite C-103 Houston, TX 77082 281-920-9775 |
| Recommended Hotel: | Comfort Suites Westchase 2830 Wilcrest Dr. Houston, TX 77042 713-334-8884 |
| | Special Rate: Ask for PRG Training rate. |

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Cancellation policy: PRG will provide a full refund for cancellations made at least two weeks prior to the seminar. A 50% refund will be given for any cancellations made after that date. PRG reserves the right to cancel this seminar up to three weeks prior to the starting date. PRG cannot be held responsible for any loss on travel arrangements due to such cancellation.

To register for the Calgary seminar, please contact CodeCAD at sales@codecad.com.