



PAULIN RESEARCH GROUP

11211 Richmond Ave., Suite 109  
Houston, Texas 77082

281.920.9775 voice  
281.920.9739 fax

## REGISTRATION FORM

### Finite Element Application for Piping and Pressure Vessel Engineers

April 26-29, 2010  
Houston, Texas

#### OPTION 1 – Pipe Stress Analysis

April 26 – 27, 2010

Cost: \$1,700.00 US

- Basic Piping Concept Review
- Proper Flexibility Analysis (intersections, pipe, supports, structural steel)
- Proper SIFs for Intersection Components
- Rotating Equipment Issues
- Combination of Stresses
- Multiple Load Cases
- Use of Path Dependent Friction
- Load Factor Design Approach
- Failure Analysis
- Simplified Post Construction Approaches
- Instructor: Tony Paulin, Jr., P.E.

#### OPTION 2 – Finite Element Analysis / Practical Application

April 28 – 29, 2010

Cost: \$1,500.00 US

- Basic Analysis Methods – How they apply to the code and where you find them in FE/Pipe
  - Beam
  - Shell
  - Plane Stress/Strain
  - Axisymmetric
  - Volumetric
- 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
- 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

#### OPTION 3 – Attend All 4 Days

April 26 – 29, 2010

Cost: \$2,800.00 US

Complete seminar as described above.



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Name

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Company

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Address

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City, State, Postal Code

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Phone Number

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Email Address

- OPTION 1 Pipe Stress Analysis**  
April 26 – 27, 2010  
\$1,700.00 US
- OPTION 2 Finite Element Analysis / Practical App.**  
April 28 – 29, 2010  
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**Payment Options:**

Check Enclosed

PO Number:

Mastercard / VISA / American Express (Circle One)

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Fax: 281-920-9739  
Email: sales@paulin.com

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.