

MEETING NOTICE

WHAT: Fatigue Failures in Welded Structures - Causes and Prevention

WHO: Dr. Behram Kapadia

WHEN: Tuesday, May 8, 2007
6:15 pm - DINNER
6:45 pm - PRESENTATION

WHERE: Holiday Inn Greentree
401 Holiday Drive • Pittsburgh, PA 15220
Phone: 412-922-8100

COST: \$25 for members, \$10 for students

PLEASE RSVP TO: Lincoln Electric
Ph: (724) 857-2750 • Fx: (724) 857-2751

Name _____

Company: _____

Phone: _____

Number Attending: _____

This meeting is open to all who would like to attend.

THE PITTSBURGH SECTION OF THE
AMERICAN WELDING SOCIETY
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www.aws.org/sections/pittsburgh
"MEETING NOTICE"

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Spark UPDATE

AMERICAN WELDING SOCIETY • PITTSBURGH CHAPTER

MAY 2007



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AMERICAN WELDING SOCIETY • PITTSBURGH CHAPTER



FUTURE AGENDA

May 8 – Dr. Behram Kapadia - “Fatigue Failures in Welded Structures - Causes and Prevention”
Holiday Inn Greentree

June 2 – CWI Exam

August 11 – CWI Exam

CWI 2007 Seminar & Exam Dates

CWI Exam is scheduled for June 2nd. There will be a \$250 additional fee for this exam.

CWI Seminar/Exam is scheduled for August 5th through August 10th with the exam scheduled for August 11th. The cut-off date for registering for the exam is July 2nd, 2007.

For Registration and Questions, call: 1-800-443-9353.

Thanks Goes Out To...

Steve Latvis for his excellent presentation last month at our April meeting.

Publication Sales

Remember, if you wish to purchase AWS Code books, the Pittsburgh Chapter sells them for 40% off of list price, which is twice what the normal member discount is.



Please contact Peter Kinney at 412-503-4109
or at Peter.Kinney@us.bureauveritas.com
for more information.

May AWS Meeting

Dr. Behram Kapadia: Fatigue Failures in Welded Structures - Causes and Prevention

Fatigue cracking under repeated applications of stress is by far the most common failure mechanism in welded structures. The general aspects of fatigue design of welded joints and the factors that limit their fatigue strength will be discussed. These include stress concentration due to local weld geometry, weld imperfections, and welding residual stresses. Several commonly used techniques for improving the fatigue life of welded structures by reducing or modifying the effects of one or more of these variables will be discussed.



Dr. Behram M. Kapadia is a metallurgical consultant specializing in ferrous metallurgy, heat treatment, failure analysis and product liability. He was formerly associated with U. S. Steel Technical Center for twenty-seven years serving in various positions including research consultant. His background includes broad experience in the development, processing and application of ferrous alloys. He has taught courses in mechanical metallurgy at the University of Pittsburgh, and conducted teaching seminars and short courses. Dr. Kapadia received his M.S. degree in Mechanical Engineering and Sc.D. in Metallurgy from M.I.T.

THIS MEETING WILL BE HELD ON MAY 8 2007.

Please see the “MEETING NOTICE” on the reverse side for more information regarding times, location, cost and RSVP instructions.

New Sections Coming to the Spark **“Open Positions” and “Advertisements”**

If you would like to submit an “Open Position” or an “Advertisement” please contact Roger Hilty at (740) 264-3092 or Rhilty@comcast.net additional information and pricing.