

Early Bird Discount:

25% Off Before: March 15th

15% Off Before: April 15th

10% Off Before: May 15th

(2) Day - Fundamentals Course:

1. Welcome and Introduction
 - a. Review of the Course Objectives
2. Basic Steam Generation, Boiler Fundamentals
 - a. Typical Water/Steam Flow Path
 - b. Typical Air/Flue Gas Path
3. Water & Steam Properties, Basic Thermodynamics, Boiler Design
 - a. The Evolution of Steam Generators
 - b. Sub-Critical and Super-Critical Units
4. Typical Plant Challenges (Coal Fired Units)
5. Use of Comprehensive Diagnostic Testing Equipment and Procedures for Trouble Shooting and Applying Cost Effective Solutions
6. Applying the Essentials
7. Basic Combustion Theory
8. Coal Quality Fundamentals
9. Coal Pulverizers
10. Basic Overview of Low NO_x Burners / Firing Systems
11. Additional Case Studies / Technical Presentations (time permitting)

(2) Day - Advanced Course:

1. Welcome and Introduction
 - a. Review of the Course Objectives
2. Overview of the Fundamentals Course
3. Boiler Design
 - a. Steam Cycle Overview
 - b. Sub-Critical and Super-Critical Units
 - c. Understanding Fireside and Steam Side Compatibility
4. The Solid Fuel Injection Systems Approach
 - a. Optimizing Coal Pulverizer Systems
 - b. Fuel Line Balancing
 - c. Total Combustion Airflow Measurement
5. 150 Years of Solid Fuel Firing
 - a. Boiler Design Overview
6. Fuel and Ash Quality Impacts on Combustion and System Performance
 - a. Environmental, Reliability and Efficiency
7. Review of Environmental Control System Challenges
8. Circulating Fluidized Bed Boilers
9. Oil and Gas Firing
10. Energy Economics and the Environment
11. Additional Case Studies / Technical Presentations (time permitting)

\$1,300 per person

10% off groups of 5 or more



Storm Technologies, Inc.
411 North Depot Street
Albemarle, NC 28001
Office: 704.983.2040

Upcoming 2 Day Short Courses Fundamentals and Advanced Courses

Large Electric Utility Boiler Combustion
and Performance Optimization

www.stormeng.com

Instructors:

Richard F. (Dick) Storm - CEO of Storm Technologies, Inc., is a registered P.E. with over 40 years experience in the industry. Experience has been accumulated as a results and start-up engineer for OEM's, as a principal engineer and superintendent of operations for a major utility and as a department head for a technical services department of a boiler maintenance contractor. These experiences preceded the last 17 years at Storm Technologies, Inc.

Stephen Storm is the Executive V. P. and Head of Storm Technologies, Inc. Technical Field Services Division. Having vast experiences with evaluating combustion, performance and efficiency opportunities on large utility and industrial steam generators, Stephen has the experience of personally conducting over a thousand diagnostic performance tests during his career. This experience has been shared as an author and/or coauthor for numerous domestic and international technical publications, magazine articles and conferences within the power industry.

Therefore, the topics presented and discussed are done from a perspective of design, best operation, maintainability, objectivity and with a practical focus on getting the most cost-effective RESULTS!

Our Large Combustion Optimization Course is a one of a kind course that has been presented to thousands of people worldwide. This course is approved by the N.C. and Florida boards of registration for engineers continuing professional development hours.

Participation in this short course is by invitation only

2 Locations:

(2) Day Fundamentals Location:

Charlotte Marriott SouthPark
2200 Rexford Road
Charlotte, NC 28211
Phone: (704) 364-8220
Fax: (704) 554-8319
Date: June 2-3, 2010
Time: 7:00am to 3:00pm

(2) Day Advanced Location:

The Westin Hilton Head Resort & Spa
Two Grassland Avenue
Hilton Head Island, SC 29928
Phone: (843) 681-1060
Fax: (843) 681-1065
Date: June 30 - July 1, 2010
Time: 7:00am to 3:00pm

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Registration:

To secure a seat for the short course, please fill out the bottom information and either e-mail, fax or mail your entry in. For any further information, please feel free to call the office at (704) 983-2040.

Name(s) _____

Title(s) _____

Company and Plant _____

Address, City, State, Zip _____

Telephone No. _____ Cell Phone #: _____

Fax No. _____

E-Mail: _____

Method of Payment (Circle): Company Purchase Order, Check or Credit Card (MasterCard/Visa/American Express)
PO _____ Credit Card No. _____

Expiration Date _____ Security Code _____ Type of Card _____

Note: If claiming PDH's, please enter PE License No. _____

Please Specify which Short Course you would like to attend: _____

Specific Questions/Interests _____

Cost: \$1,300.00 per person

Cost includes: Seminar materials, breakfast and lunch for each day (Hotel, transportation, and other meals not included).