

# MODERN FURNACE BRAZING SCHOOL



WALLCOLMONOY

May 8-10, 2012

## Brazing Engineering Center

The late **Robert Peaslee's** tradition continues with the return of the brazing school. The school will be held at our new Brazing Engineering Center at Wall Colmonoy Aerobraze Division in Cincinnati. Our Brazing Engineering Center provides engineering services and training, as well as offering **new practical experience on the shop floor!**

For over 40 years, Wall Colmonoy personnel have been gaining practical experience on actual problems in their brazing plants around the world. In 1950 Robert Peaslee developed the first nickel-based brazing filler metal, trade name Nicrobraz®.

Today, Wall Colmonoy continues to be on the forefront of brazing engineering technology, and the leading manufacturer of an extensive line of nickel-base corrosion resistant brazing filler metals and brazing aids.

## Included in this Unique Three-Day Session:

- **Design:** brazing technology, definitions, and overview and joint design.
- **Metallurgical Aspect of Modern Furnace Brazing:** diffusion mechanism and metallurgical reactions between base and filler metal.
- **Controlled Atmosphere:** overview of brazing atmosphere, evaluation and quality control of atmosphere.
- **Furnace:** Type of furnaces, heating methods and furnace controls.
- **Brazing Material Selection:** a detailed look at various nickel-base braze filler metals, brazing aids, and their use and application.
- **Brazing Operation:** reviews of fundamental pre- and after- brazing cleaning, assembly, fixture, brazing cycles, and other brazing processes.
- **Quality Control:** inspection methods and process controls.
- **Actual applications and case studies**
- **Practical experience on the shop floor:**
  - Pre-cleaning, blasting, selecting fixture, setting the furnace cycle, and examining the brazed parts.
  - Filler Metal Application Methods
    - Screen Printing/Stencil
    - NicroSpray® System
    - Roller Coating
    - Powder
    - Paste - Dispensing System
    - Transfer Tape



**Space is limited  
Register now!**

Brazing Engineering Center  
940 Redna Terrace | Cincinnati, OH 45215  
Tel 513-842-4200 | Fax 513-842-4266

Web [www.wallcolmonoy.com/brazingschool](http://www.wallcolmonoy.com/brazingschool) | Email [brazingschool@wallcolmonoy.com](mailto:brazingschool@wallcolmonoy.com)

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## The Course Leaders

The instructors are recognized leaders in brazing technology

### Lydia Lee, BSE, M. Eng, MBA

Director of the Brazing Engineering Center for Wall Colmonoy. Lydia studied brazing with the late Robert Peaslee as her teacher and mentor.

### Bob Pfouts, BSME

Engineer for Wall Colmonoy Aerobraise. Bob has 20 years of experience working with customers and finding solutions to their brazing and heat treating problems.

### Russ Wilcox, BME, MBA

Marketing Applications Engineer for the Alloy Products Group. Russ has over 24 years of experience in the brazing industry.

## Location and Fees

The cost of the course is \$1550. (additional attendees from the same plant location are \$1450. each). Any cancellations received less than two weeks prior to the course will be subject to \$100.00 cancellation fee. We will also offer the AWS Brazing Handbook as well as Robert Peaslee's Brazing Footprints book for \$130. (A \$266. value). Sessions will run from 8:30 AM to 5:00 PM. The classroom will be held at our Brazing Engineering Center at our Aerobraise Cincinnati location.

Wall Colmonoy Aerobraise  
940 Redna Terrace  
Cincinnati, OH 45215

### Includes

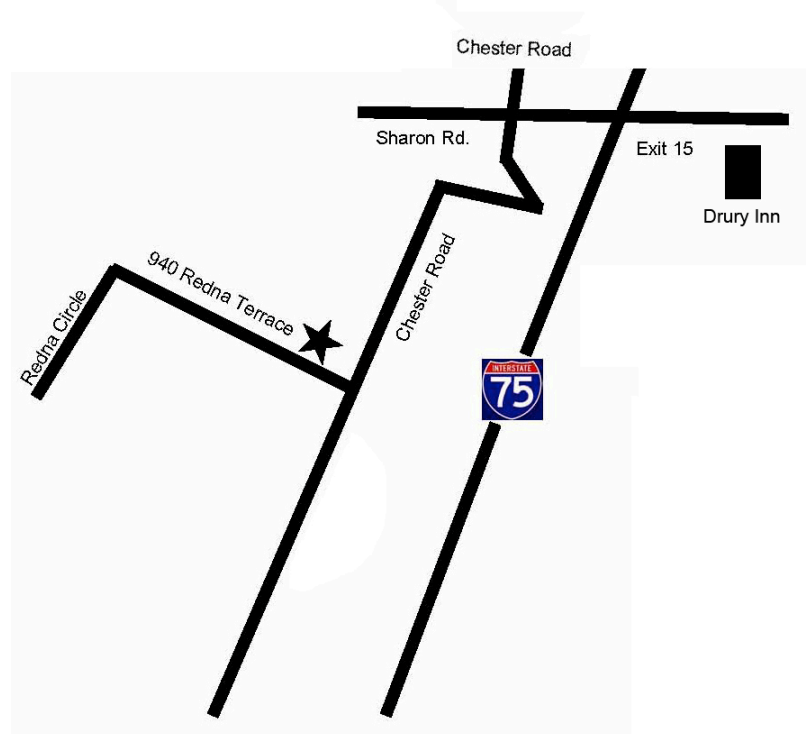
- Brazing school binder of seminar materials
- Continental Breakfast
- Refreshment between breaks
- Three lunches

### Attendees are responsible for

- Lodging cost
- Transportation
- Dinner and incidentals

### Drury Inn & Suites

For your convenience, we suggest staying at the Drury Inn & Suites which is located approximately 10 minutes away from our Aerobraise location. Ask for Wall Colmonoy's corporate rate of \$82.99. For more information visit the Drury's website at [www.druryhotels.com](http://www.druryhotels.com) or call 513-771-5601



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## Registration Form

To enroll, simply complete the bottom portion of this form, and send along with check or payment information to:

Wall Colmonoy Corporation  
Attn: James Nicoll  
101 W. Girard, Madison Heights, MI 48071  
Tel: 248-585-6400 ext. 233 Fax: 248-585-7960  
jnicoll@wallcolmonoy.com

Please register me (and others from my plant location) as shown below. A check for \$1550. (payable to Wall Colmonoy Corp.) is enclosed. (An Additional \$1450. is enclosed for each additional attendee.) Payment may also be made by VISA, Master Card, or American Express.

Any cancellations received less than two weeks prior to the course will be subject to a \$100.00 cancellation fee.

Course:

May 8-10, 2012

### Register

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Phone No. \_\_\_\_\_

E-Mail \_\_\_\_\_

Attach list of additional attendees.