

This two-day resistance welding school is sponsored by the American Welding Society and the Resistance Welding Manufacturing Alliance (RWMA), and conducted by industry specialists with extensive resistance welding experience. The basics of resistance welding and real-life application of the process are covered. Each participant may learn at their own pace, and discuss specific welding concerns with the instructors. You are invited to bring your own samples for discussion.

Take advantage of this career-enhancing opportunity — plus experience the largest gathering of metal forming, fabricating, tube and pipe, and welding technology providers at the 2007 FABTECH International & AWS Welding Show.

Please plan to be present for both days of the school. The program is limited to 100 students. The registration fee includes a copy of the Resistance Welding Manual, Revised Fourth Edition (a \$125 value), and a course binder containing all instructor presentations. Participants will receive free admission to the show and a certificate of completion. In addition, there will be a tabletop reception following the first day of classes, demonstrating the latest resistance welding products offered by RWMA-member companies.

Whether you're a beginning operator or a seasoned pro, a shop supervisor or a production manager, an electrical or a mechanical engineer, there's something for everyone.

So what are you waiting for? Enroll today!

PROCESSES COVERED:

- Resistance Spot Welding*
- Projection Welding*
- Cross Wire Resistance Welding*
- Upset Resistance Welding*
- Flash Butt Welding*
- Resistance Butt Welding*
- Resistance Seam Welding*
- Resistance Mash Seam Welding*
- Roll Spot Resistance Welding*
- Resistance Welder Electrodes and Tooling*
- Resistance Welder Controls*
- Resistance Welder Equipment Selection and Setup*
- Resistance Welder Power Systems*
- Resistance Welder Maintenance and Troubleshooting*

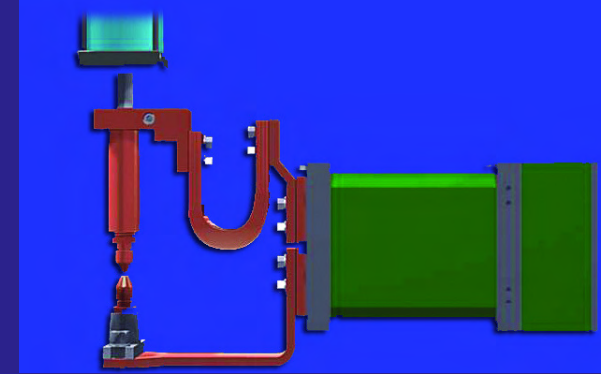


American Welding Society

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Visit our website <http://www.aws.org>



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The Emmet A. Craig
**RESISTANCE
WELDING
SCHOOL**
is coming to Chicago!

**Tuesday & Wednesday,
November 13 & 14, 2007
at the**



McCormick Center, Chicago



Resistance Welding Manufacturing Alliance

A STANDING COMMITTEE OF

American Welding Society



Founded in 1919 to advance the science, technology and application of welding and allied processes including joining, brazing, soldering, cutting and thermal spraying.

The Emmet A. Craig RESISTANCE WELDING SCHOOL

Tuesday, November 13, 2007

7:45 AM – 8:00 AM

Welcome and Introduction to Resistance Welding

Bill Brafford, Technical Liaison Manager, Tuffaloy Products

8:00 AM – 8:30 AM

Basics of Resistance Welding Video – Part I

8:30 AM – 11:00 AM

Electrodes and Tooling

Bill Brafford, Technical Liaison Manager, Tuffaloy Products, Inc.

Focus on the classification, selection, and maintenance of electrodes and fixtures as they pertain to numerous applications. By revealing some problem-solving techniques and suggestions, Bill will familiarize you with some powerful problem/evaluation/solution techniques that will keep your production process running longer—and operation more efficient.

11:10 AM – 12:15 PM

Welding Controls

Don Sorenson, Director of Engineering, ENTRON Controls

This discussion focuses on the selection, descriptions, and applications of welding timers, contactors, and accessories. Packed with a punch, Don drives home $H = I^2 RT$ in a way you'll never forget. He shows you how this invaluable formula is used in every resistance welding application—every day—every cycle—all the time!

12:15 PM – 1:15 PM

Lunch Served

1:15 PM – 2:15 PM

Welding Controls (continued...)

Continuation of discussion on the selection, descriptions, and applications of welding timers, contactors, and accessories.

2:30 PM – 5:00 PM

Electrical Power Systems

Mark Siehling, Vice President, Engineering, RoMan Engineering Services

Engineering Services

This session reviews the descriptions and maintenance of electrical power components and conductors from the weld control to the electrode. This lively presentation has something for everybody. Utilizing several small demonstrations, Mark helps you understand a very important part of the resistance welding process that will keep you on the edge of your seat!

5:00 PM – 6:30 PM

Tabletop Exhibits & Reception

Wednesday, November 14, 2007

8:00 AM – 10:00 AM

Welding Processes and Machines

Tim Foley, Senior Applications Engineer, Automation International

This session will reinforce the very essence of how the resistance welding process works and how the process relates to each of the four resistance welding processes. This session will be full of application examples from each process, and how machinery utilizes the individual components and elements illustrated in the other sessions.

10:15 AM – 10:45 AM

Basics of Resistance Welding Video – Part II

10:45 AM – 12:00 PM

Troubleshooting and Maintenance

Bruce Kelly, President, Kelly Welding Solutions

With over 30 years experience in the auto industry, specifying, installing and troubleshooting resistance welding systems, Bruce will give you tips on how to find the reasons why welds don't turn out the way you would like. This presentation is filled with real-life solutions for problems that baffled maintenance persons.

12:00 PM – 1:15 PM

Lunch Served

1:15 PM – 3:15 PM

Initial Machine Setup

Robert Matteson, Director–Product Development, Taylor–Winfield

Robert takes you through the selection and maintenance procedures of proper weld schedules and preventive maintenance programs designed to make your resistance welding operations profitable. Hands-on demonstrations peak this presentation.

3:15 PM – 3:30 PM

Question and Answer Session

Sponsored by:

 RWMA[®]

Resistance Welding Manufacturing Alliance
<http://www.aws.org/rwma/>

INSTRUCTORS

Each course session is conducted by carefully selected, accomplished professionals from within the resistance welding industry. With more than 150 years of combined experience among these six instructors, you are bound to feel the educational impact these professionals will deliver.

Tim Foley, Senior Applications Engineer
Automation International Inc., Danville, Ill.
Welding Processes and Machines

Bill Brafford, Technical Liaison Manager
Tuffaloy Products, Inc., Greer, S.C.
Electrodes and Tooling

Don Sorenson, Director of Engineering
ENTRON Controls, Inc., Greer, S.C.
Welding Controls

Mark Siehling, Vice President, Engineering
RoMan Engineering Services, Grand Rapids, Mich.
Electrical Power Systems

Bruce Kelly, President
Kelly Welding Solutions, P.C., Grand Ledge, Mich.
Troubleshooting and Maintenance

Robert Matteson, Director–Product Development
Taylor–Winfield Inc., Brookfield, Ohio
Initial Machine Setup

REGISTRATION

FEES:

RWMA/AWS/SME/FMA/NAM Members: \$425
Nonmembers: \$660
Tabletop Exhibit Space: \$300

REGISTRATION INCLUDES:

Resistance Welding Manual (fourth edition), class handouts, certificate of completion, and complimentary admission to the show floor. Nonmembers receive a two-year AWS individual membership. Lunch is provided on both session days. (Hotel accommodations, all other meals, and transportation are the responsibility of the attending participant.)

To register online, go to www.aws.org/show/rwma.html and click on **REGISTER**

For more information or to secure tabletop exhibit space, call (800) 443-9353 ext. 223 (305-443-9353 outside of North America) or email gladys@aws.org