

# RWMA Welding School 2012

## Tuesday, November 13, 2012

7:45 AM – 5:00 PM

## Wednesday, November 14, 2012

8:00 AM – 3:45 PM

## Program Information

### Tuesday, November 13, 2012

**7:45 AM – 8:00 AM**

#### **Welcome and Introduction to Resistance Welding**

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

**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.

**11:15 AM – 12:15 PM**

#### **Tabletop Exhibits**

**12:15 PM – 12:45 PM**

#### **Lunch Served**

**12:45 PM – 2:45 PM**

#### **Welding Controls**

*Don Sorenson, Director of Engineering, ENTRON Controls, LLC.*

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!

**3:00 PM – 5:30 PM**

#### **Electrical Power Systems**

*Mark Siehling, Vice President Engineering, RoMan Manufacturing Inc.*

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 this very important part of the resistance welding process which will keep you on the edge of your seat!

**Wednesday, November 14, 2012**

**8:00 AM – 10:00 AM**

**Welding Processes & Machines**

*Tim Foley, Sales Manager, Automation International, Inc.*

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 examples of problems that baffled maintenance persons.

**12:00 PM – 1:15 PM**

**Lunch Served**

**1:15 PM – 3:15 PM**

**Initial Machine Set-Up**

*Robert Matteson, Director, Product Development, Taylor–Winfield Technologies, Inc.*

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 – 3:45 PM**

**Question and Answer Session**