May Technical Meeting Update!

The Detroit Section held its’ May Technical Meeting at CenterLine (Windsor) Limited, Special Machinery Division, in Windsor, Ontario, Canada. Dan Cabanaw, Senior Accounts Manager, and Larry Koscielski, Senior Technical Advisor, of CenterLine (Windsor) Limited provided their insight into the current state of industry with their presentation entitled Challenges Facing the Resistance Projection Welding (PW) Industry. The presentation was followed by a tour of the Special Machinery Division of CenterLine (Windsor) Limited.

This meeting was especially unique in that it was a combined event that permitted the AWS Detroit Section, the only AWS section with boundaries that cross an international border, and the Canadian Welding Association – Southwestern Ontario Section, to gather in one location and learn how our industries and associations overlap.

The 2015 May Technical event was also the section’s awards night. The following were honored at the meeting for their contribution to the both the section in particular and the welding industry in general. Section Appreciation Awards were presented to the following:

• Rod Bereznicki – for continuous improvement of our Section website
• Glen Knight – for longstanding commitment and leadership of the High School Welding Competition
• Eric Lichtfusz – for record results leading our 2014-2015 Patrons Committee
• Don Maatz – for excellent leadership of SMWC aluminum welding workshop
• Robin Michon – for making our e-Bulletin a reality and a success
• Susann Morfino – for excellent leadership of SMWC vendor display committee
• Ashley Webel – for outstanding leadership of High School Welding Competition

More photos on page 9
Final Education Series of the 2014/2015 AWS Detroit Year

Submitted by Mark D. Gugel, PhD, P.E.

Nachi Robotic Systems hosted an AWS-Detroit Section Welding Educational Series seminar on April 16. The seminar, Robotic Aluminum Resistance Spot Welding and Robotic Aluminum Arc Welding, was attended by 32 welders, engineers, managers and students. The educational event consisted of two lectures lasting a total of 2 ½ hours followed by a laboratory demonstration.

Joe Ellert, CWI-CWE of Class 1 Welding Services discussed resistance spot welding (RSW). Joe started with a very thorough discussion of aluminum metallurgy. He discussed the different aluminum alloy families, how they get their strength, and how their physical properties compare to steel. Joe then applied these properties to aluminum RSW. He discussed specific aluminum RSW challenges, equipment, special techniques, and weld evaluation.

Phil Mosquera of OTC Daihen discussed gas metal arc welding (GMAW). Phil started with a discussion of heat generation in GMAW and material properties of aluminum that affect the GMAW process. Phil then gave specific examples of how varying the wave form can help overcome challenges of cold arc-starts, bead appearance, soot formation, porosity, strength, and gaps.

The AWS-Detroit Section would like to extend our thanks to Nachi Robotic Systems and OTC Daihen for taking the time to share their technology with us to further our understanding of aluminum welding. The attendees are also grateful for the nourishment provided by Nachi before the seminar.
2015 AWS Golf Outing
TPC of Michigan
1 Nicklaus Dr., Dearborn, MI 48120
www.tpcmichigan.com
Monday, July 27, 2015
Proceeds to benefit scholarship and educational initiatives

Registration: 8:00AM—9:00AM
Driving Range: 8:00AM—9:00AM
Shotgun Start: 9:00AM

Foursome Golf Package- $640 (includes contests)
◊ Foursome—18 Holes of Golf w/ Cart
◊ Swag Bag
◊ Driving Range
◊ Breakfast / Lunch / Dinner
◊ 3 Beverage Tickets
◊ Included Contests (with Prizes)
  ⇒ Best Score
  ⇒ Hole-in-One
  ⇒ Skins
  ⇒ Straightest Drive
  ⇒ Closest to the Pin
  ⇒ Longest Drive

Format: 4-man Scramble
Lunch: Hamburger or Hotdog
Dinner: Barbecue

Optional Contest
⇒ Putting Contest
⇒ Gambling Hole
⇒ Beat the Pro
⇒ 50/50

Individual Golf Package- $160
**All individual golfers will be placed on a waiting list until a foursome is filled
**Participation is not guaranteed until a foursome is filled

Dinner Only (Served soon after golf) - $50

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Grand Total

Registration/ Payment Type
☐ Credit Card via PayPal at www.awsdetroit.org
  E-mail player names to andreyoung@kukarobotics.com
☐ Credit Card (complete form e-mail or post mail)
  Contact information at the bottom of the page
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Name ________________________________
E-mail ________________________________
Phone ________________________________

Credit Card # __________________________
Exp Date ___ Zip Code _______ CVV Code ______

Contact Andre Young: 586-665-3692 | andreyoung@kukarobotics.com
34209 Grove Dr. Livonia, MI 48154
2015 AWS Golf Outing
Sponsorship/ Support Opportunities

Please understand that sponsorships are available on a first come first serve basis.

$600 Contest Sponsorship (7 available)
- Sign w/ your logo or Your Table Cloth
- 6 ft Table & 2 chairs
- 2 Breakfast, Lunch & Dinner tickets
- Spend about 5 min w/ each foursome
- 30 foursomes/ 120 Golfers
- Bring Giveaways/ Prizes to add to the fun

$500 Sponsorship (1 available)
- Poker Chip Ball Marker with Company Logo

$400 Sponsorship (5 available)
- Sign with Company Logo
- Breakfast
- Lunch
- Cart Name Tag (2 available)
- Beverage Cart (on up to 3 carts)

$200 Sponsorship (23 available)
- Sign with Company Logo
- Tee (22 available)
- Driving Range

Donation for Give Away
Given to every Golfer (120 expected)

Donation for Prizes
Given to prize winner— minimum value $100 please

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Registration/ Payment Type
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  E-mail player names to andreyoung@kukarobotics.com

- Credit Card (complete form e-mail or post mail)

- Check (complete form e-mail or post mail)

  Contact information at the bottom of the page

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Phone ___________________________________________
Credit Card # _____________________________________
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Patron’s Fund
by Eric Lichtfusz

As the Patron’s Committee Chair, I would like to thank those generous companies and individuals who have contributed so far to the fund.

2015 Patrons
AET Integration, Inc.
Ann Arbor Welding Supply
ARO Welding Technologies, Inc.
ATI Industrial Automation
CenterLine (Windsor) Limited
COR-MET, Inc.
Degensha America Corporation
Fronius USA, LLC
FUSION Welding Solutions
Genesis Systems Group
Hammitt & Associates Inc.
Industrial Control Repair (ICR)
LASAP, Inc.
LEONI Engineering Products and Services, Inc.
LUVATA Ohio, Inc.
Matheson Gas
Matuschek Resistance Welding Equipment
MJM Sales, Inc./RAM Solutions, Inc.
Multi-Contact USA
Ilse & Nick Hamers
Obara USA
Rochester Welding Co., Inc.
Roush
The Ohio State Welding Engineering Alumni
United Technical, Inc.
Vulcanmasters Welding Company, Inc.
Welding Jobs.com
Wyandotte Welding Supply, Inc.

SkillsUSA

The Detroit section of the AWS has agreed to donate $3000 for travel costs to help the following first place High School students and teacher representing the state of Michigan travel to the Skills USA national competition to be held in Louisville Kentucky on June 22nd-26th.

The South & West Washtenaw Consortium is located at Saline and supports students from Chelsea, Dexter, Lincoln, Manchester, Milan and Saline High Schools.

State Welding Fabrication Teams
1st Place Team (3 members): Kyle DeVood – Dexter HS; Mitch Bristle – Manchester HS; Brandon Puckett – Saline HS; Instructor: Mr. Hasselback

State Overall Individual (multi-process)
1st Place: Paul McCullough – Saline HS
Instructor: Mr. Hasselback

Honorable mention to second place finishers
State Overall Individual: 2nd Place: Ian Schwenke – Saline HS
State GMAW Individual: 2nd Place: Nick Mistopoulos – Saline HS

AWS Detroit increases their investment in our future welders!

The Executive Committee voted to increase the High School Welding Contest scholarship awards from $4,500 for the top 3 welders to $9,000 for the top 5 welders starting with the contest on May 15, 2015. The allocation of the funds will be decided by the committee.

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AWS Patrons collectively provide annual funding for scholarships toward an Associate Certificate in Welding Technology or a Bachelor of Science degree in Welding Engineering or Manufacturing Technology. For more information please contact AWS-Patron’s Committee Chair Eric Lichtfusz.
Welding Educator Looking for Summer Employment
Submitted by Richard Randall, 517-896-2854, E-mail: rhr52761@hotmail.com

I am a Welding Instructor looking for fulltime summer work only. I have health insurance with my school so no need for that. I have over twenty years of welding experience as a welder and have been teaching welding for more than four years. I am willing to take a job as a welder, welding instructor, welding inspector, or any welding related type work. It will only be from mid-June until Sept. just until Labor Day. I am looking for day shift hours only and not a great deal of overtime.

AWS Conducting Beta Exams for CRWT Program

Now in its beta-testing phase, the Certified Resistance Welding Technician (CRWT) is the newest Certification to be introduced by the AWS. The Detroit date is Oct 24, 2015. For more information, go to: [http://aws.org/rwma/crwt.html](http://aws.org/rwma/crwt.html).

KUKA Systems Aerospace wins award

Sterling Heights, MI | Augsburg, Germany, May 7 – KUKA Systems Aerospace has received the American Helicopter Society International’s Supplier Excellence Award for its new assembly concept that will be used in building Bell Helicopter’s 525 Relentless. The award, presented at the charity’s annual awards banquet last night in Virginia Beach, VA, is given each year to a supplier “which through the quality of, innovativeness and cost-effectiveness of its products, has made a notable contribution to the vertical flight industry.”

“We accept this honor with great pride and with gratitude for the support of a tremendous partner in Bell, which recognized the value in our concept and placed its faith in us,” says Robert Reno, Group Vice President, KUKA Systems Aerospace.

KUKA’s concept for the new Bell 525 is a major departure in assembling rotary-wing aircraft. Working in collaboration with Bell’s engineering staff, the KUKA process engineering team developed a palletized process based on the industrial assembly line principle. The main aircraft is built up in a major fixture, which moves along the assembly stations. Ancillary tooling is added or removed from that fixture to allow different work tasks to be performed at each station.

Obituary for John (Jack) Goodrich, 1937-2015

Jack Goodrich passed away on May 28 after a long illness. Jack served a number of terms on the AWS Detroit Section Executive Committee. He was a hard worker for the AWS and added much color to many of our events. Jack was a true Renaissance Man: hunter, fisherman, craftsman, inventor, entrepreneur, builder, free spirit, and always a good friend.

Jack started his welding career at Fisher Body as a GMI student. Later he moved on to Ford Body & Assembly, Flex-Cable, Rubber Materials, and finally his own company, Cellar Services.

Jack is survived by the wife, Stevie, four daughters, and 10 grandchildren. Our heartfelt condolences to his family and friends.
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