2015
Christmas Party
You’re Invited

Friday, December 11th
6:30 PM – 11 PM

Western Golf & Country Club
14600 Kinloch, Redford, MI 48239

Enjoy
Valet Parking
Appetizers, Sit Down Meal, Dessert, and Drinks
Piano Entertainment & Prizes

See Registration Form on page 3
November 2015
This Issue of the Bulletin can be viewed on the web at awsdetroit.org

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Wesley Doneth
Chairman’s Message

Well, I hope everyone survived Halloween and didn’t get too carried away with the “trick or treating.” November is that month that seems to go into warp speed, by the time you sit down it’s January 1.

For the AWS and its membership this month brings us the largest AWS event, our annual AWS FABTECH Exhibition held this year in Chicago, IL at the McCormick Place Convention Center. Not only is it a large trade show but it is also the meeting place where so many AWS members go to interact at meetings, conferences, schools and competitions. If you have never attended I encourage you to make the trip, it’s only a short train ride to Chicago. Since the Exhibition falls the same week as our normal technical meeting schedule, we decided to forego it this month and start up again in January.

Our next event is our annual Christmas Party so after your Thanksgiving festivities we hope to see some familiar and some new faces at this great event. The 2015-16 season is rolling along and before you know it, we will be electing new folks to the Executive Committee.

I would like to take this opportunity to appeal to those reading this and consider throwing your name into the hat. Our Executive Committee is a group that works hard to serve our membership and always look for members to best represent our section. It is only possible if people are willing to volunteer and offer up some of their time. It doesn’t matter which sector you come from Automotive, Structural, Education, OEM, Supplier, Retired, etc. If you are a good standing member of the AWS in our Section we would like to hear from you. Please contact me personally so I can get your information to the nominating committee – 810.844.2800 or doneth.wesley@fronius.com.

I wish you and your family a safe and enjoyable Thanksgiving Holiday and please remember the reason for the season – be thankful for all that you have and give a helping hand to those that need it.

Wes
Celebrate Christmas

Western Golf & Country Club
14600 Kinloch, Redford MI 48239

Friday, December 11, 2015
6:30 PM– 11 PM

Attendance Includes
- Appetizers
- Served Meal
- Dessert
- Drinks
- Piano Entertainment
- Raffle & Door Prizes

Event Sponsorship
- Logo recognition at registration
- Recognition on Program

Prize Donations
- Recognition at presentation
- If received before Dec 5th, recognition on Program

Registration/ Payment Type
- Credit Card via PayPal at www.awsdetroit.org
- Credit Card (complete form e-mail or post mail)
- Check (complete form e-mail or post mail)

Name __________________________________________
E-mail __________________________________________
Phone __________________________________________
Credit Card # ____________________________
Exp Date ______ Zip Code ______ CVV Code ______

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Value of Standards

Dan Galihers is a member of the Detroit Section’s Executive Committee and the Chair of the AWS D8 Automotive Welding Technical Committee.

The U.S. Department of Commerce tells us that standards and conformity assessment impact more than 80% of global commodity trade. From design and manufacturing to distribution and marketing, all aspects of your industry’s products and services are affected at some point by standardization.

Hundreds of standards developing organizations (SDOs) and consortia are engaged in the creation and maintenance of standards used in virtually every industry sector. These SDOs — and the experts who populate their committees — work to enhance quality of life and improve the competitiveness of U.S. businesses operating in the global marketplace.

The American Welding Society is the primary SDO producing codes, specifications, guides, recommended practices, and books related to welding and joining. The AWS Technical Services Staff works with over 200 technical committees to create, approve, and publish more than 230 technical documents for the welding industry, including one of the world’s most widely used standard, D1.1.D1.1M, Structural Welding Code-Steel.

Unfortunately in recent years there has been a steady decline in participation in the AWS standards development activities. Your help is needed to reverse this alarming trend. Companies and individuals that participate in standards development activities stand to gain a more competitive advantage than those who do not participate. The participants get insider knowledge and early access to information, are able to exert influence on technical content, and they have the potential to develop new markets for products, services, and technologies.

I would like to encourage our members to review the AWS Technical Committees and Standards Program and get involved.

http://www.aws.org/w/a/technical/comm_stand.html

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November Hotline

The “AWS Detroit Library” has a home!

Home at Last! That’s right, the library is now housed at the R & E Automated Systems building located at 17500 23 Mile Road – Suite B, Macomb, MI 48044. To make arrangements to review any of the library documents, please contact Donald Maatz @ 586-228-1900 or via email at dmaatz@reautomated.com. Make sure you make an appointment to visit. Don has also graciously agreed to send via e-mail and/or UPS/Fed-Ex code to ship it out to you. A “check out” or “loan” from the library should be 1 month or less.

Job Postings

Weld Engineer: Vehma International a supplier of prototype sheet metal assemblies is looking for a weld engineer with both resistance and GMAW experience. We are a dynamic shop with a continually changing product mix ranging from aluminum to high strength steels and small sub-assemblies to large structural assemblies. We are in Troy Michigan. Contact: Dennis Peck at dennis.peck@magna.com.

Welding Instructor: Full-time position responsible for teaching AAS degree and certificate students in Welding. Teaching to AWS SENSE curriculum standards at the basic and intermediate levels. Certification courses conform to AWS QC-10: 2008 and AWS QC-11: 1996 standards.

Qualifications include Bachelor degree required in the Industrial Technology/Engineering areas. OR (AAS degree in Welding or equivalent with substantial coursework completed towards a Bachelor degree in a relevant field may be considered. Completion of Bachelor degree, however, would be required with three years of probationary period of hire for continuing status as faculty.) Master’s degree preferred.

Minimum five years’ work experience in the welding field required. Journey person credentials in addition to academic qualification preferred. Demonstrated capability in performing hands on positional welding and cutting operations such as SMAW, GMAW/FCAW, GTAW, OFC, OAC and plasma cutting. AWS certification (CVI/CWE) or AWS certification must be attained within one year of hire for continuation of employment required. Annual salary $57,660 negotiable based on education and experience; full benefit package. Immediate review of applications will continue until position filled. If interested, please send cover letter, resume, transcripts, two letters of recommendation and MCC employment application to: Parmeshwar Coomar, Dean, Applied Sciences & Engineering Technology; Monroe County Community College; 1555 S. Raisinville Rd. Monroe, MI 48161; pcoomar@monroeccc.edu

CenterLine Welding Guns featured on the “How It’s Made” television show

Windsor, Canada, October 1, 2015

CenterLine’s FlexGun™ welding guns are being featured in an episode of the popular “How It’s Made” television show. The episode, from the new series, premiered in the US on October 1 on the Science Channel. It premiered in Canada on the Discovery Channel on October 5th. It’s expected that the episode will be re-run throughout the year and will be available for online viewing in the near future. Check either the Science Channel or Discovery Channel websites to stream the episode.

FUN STUFF

How did they do it? Watch this video and see if you can figure out how they ignite the rod. Have to admit – it’s a pretty clean weld when they are all done.

Tech Notes

Mike Gase reported that there are several AWS codes, and standards that he plans on delivering to our AWS library soon. Also, the new 2015 D1.1:2015 Structural Welding Code is on its way.

Matching Funds program from National!

AWS National Foundation has established a “Matching Funds Campaign for Scholarships.” If you would like to set up a scholarship they will match your donation by 150%. For example if you donate $10,000 your total contribution would be $25,000 and would yield an annual scholarship of $1250. If you are interested in more information about this program you may contact AWS National Foundation direct or call me Wes Doneth – Detroit Section Chairman – 810-844-2800. You need to decide soon as this will expire at the end of 2015!
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- 15 KVA at 50% duty cycle
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Recap of our October Technical Meeting

The AWS-Detroit section held its October technical meeting at the Monroe County Community College, Career Technology Center on October 08, 2015. This meeting was especially unique in that it was a combined event with American Society for Nondestructive Testing (ASNT Detroit Section). This event permitted the AWS Detroit Section and ASNT Detroit to gather in one location and learn how our industries overlap.

The meeting featured a panel discussion moderated by Viji Kuruvilla, President & CEO of Genesis Quality Systems, Inc. The panel members represented a broad spectrum of the welding community and addressed the issues of diversity in the welding workplace. Serving on the panel were:

- **Ross Reynolds**, ASNT Detroit Section (NDT)
- **Marc Lopez**, Miller Electric (Welding Products)
- **Glover Donohoe**, Ventower Industries, Monroe, MI (Manufacturing)
- **Frank Beaker II**, Ventower Industries, Monroe, MI (Manufacturing)
- **Perry Tsipis**, Midway Products Group, Inc., Monroe, MI (Manufacturing)
- **Robert Wilcox**, AWS District 11 Director (AWS)
- **Professor Dr. Roop.S. Chandel**, Monroe County Community College, Monroe, MI (Education)

The entire evening was made possible by the hard work of the staff from Monroe County Community College, AWS-Detroit Section, ASNT Detroit Section, and sponsors RoMan Manufacturing of Grand Rapids, MI, and Midway Products Group, Inc. of Monroe, MI.

More pictures of the event are available on the AWS Detroit website under the photo gallery on the events tab. Check it out at [www.awsdetroit.org](http://www.awsdetroit.org)
I am looking to enhance my career and would like to formalize the welding ability that I have. Can you recommend how I might be able to obtain a welding certification?

To help answer this question, I have reached out to fellow AWS-Detroit section Executive Board member Ashley Webel. Ashley is an American Welding Society (AWS) Certified Welding Inspector (CWI), and a Certified Welding Educator (CWE) with RoMan Engineering Services.

“There are a number of ways to prove your ability under the hood as a welder. They include any internal qualification tests an employer may ask you to perform, or the qualification tests offered by an external testing facility. We cannot address the employer qualification tests as they are often task or job specific. However, from the perspective of the external testing facilities, there are two possibilities that we need to discuss.

The first option is obtaining your certification from a generic testing facility. There are many of these facilities throughout the country and they offer an excellent product. However, I really think if you want to ensure that you are working towards the certification that offers the best opportunity to reach your full potential, consider using an AWS Accredited Testing Facility (ATF). The following highlights their differences:

<table>
<thead>
<tr>
<th>Standard</th>
<th>AWS Accredited Testing Facility (ATF)</th>
<th>Generic Testing Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record Keeping</td>
<td>Must use a prequalified welding procedure</td>
<td>Can use any welding procedure to perform the test</td>
</tr>
<tr>
<td>Recognition</td>
<td>Receive a certification # that can be tracked and verified on the AWS national website</td>
<td>Record of testing is controlled by testing house, not acknowledged by AWS</td>
</tr>
<tr>
<td>Certification Maintenance</td>
<td>Recognized within the US and internationally</td>
<td>Case by case recognition within the US and internationally</td>
</tr>
<tr>
<td>Certification Achieved</td>
<td>Must requalify every year or prove that you have been using the process qualified in for the past year through maintenance record</td>
<td>No requirement on maintenance record, qualification may never expire regardless of how often you weld*</td>
</tr>
<tr>
<td></td>
<td>AWS Certified Welder</td>
<td>Generic Certification from the testing facility</td>
</tr>
</tbody>
</table>

*While this may seem like a benefit to you the welder, it may not be viewed that way by the potential employer since they may not honor the qualification after the one year point.

Here is the link to all of the US ATF’s: http://www.aws.org/library/doclib/atf-domestic-listing.pdf

It should be noted that either certification can be worthwhile. However, the AWS credential has more weight within the welding industry and would be my first choice for furthering your career.”

If you have more questions about this topic, Ashley can be reached at:

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Send your questions to Don Maatz at dmaatz@reautomated.com – subject line: ‘Ask the Welding Engineer’

Donald F. Maatz, Jr., Welding Engineer / Lab Manager RoMan Engineering Services
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References:
1) AWS QC7-93