



American Welding Society®
DETROIT SECTION



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Check out the latest videos published by the American Welding Society on its YouTube page.

AWS Technical Nights are open to everyone! We encourage that members bring students and non-members to learn more about our organization and industry.



Affiliated With

THE ENGINEERING SOCIETY

Technical Meeting

Thursday, February 9, 2023

Location: United Technical Inc

1081 E North Territorial Rd, Whitmore Lake, MI 48489

[Map Click Here: unitedtechnicalinc.com](https://www.unitedtechnicalinc.com)



Join AWS Detroit at our February 2023 Technical Meeting!

During this Technical Meeting, speaker Warren Peterson will discuss Investigation of Techniques Used to Minimize Liquid Metal Embrittlement (LME) in a Production Setting. The event will also include a walk through United Technical's shop with discussion on training, nondestructive evaluation, materials science and engineering.

Attendance is limited! RSVP by February 6th: [Click Here](#)



AGENDA

5:30 – 8 pm: DOORS CLOSE @ 9PM

- Doors open for Networking; Dinner
- Speaker: Warren Peterson
- Walking Tour through Facility



Speaker
Warren Peterson

Warren Peterson is the Welding Technical Director at United Technical, supervising the resistance and arc welding engineering activities and engineering lab. Previously, he has held positions at Edison Welding Institute (EWI) and Inland Steel Research Laboratories (ArcelorMittal). He is active in various AWS automotive arc and resistance welding committees and has authored more than 35 journal papers and conference reports. Warren currently serves on the AWS-Detroit executive board and chaired two AWS-Detroit Sheet Metal Welding Conferences (2018 & 2021). Warren is a graduate of the Ohio State University Welding Engineering program and is an expert in resistance welding processes.

Coming Events

Thursday, February 9, 2023
Technical Meeting

Topic: Investigation of Techniques Used to Minimize LME in a Production Setting

5:30 - 8PM (Close at 9PM) (Dinner Provided)

Cost: \$10

Location: United Technical, Inc.

1081 E North Territorial Rd., Whitmore Lake, MI, 48189

Saturday, February 25th
AWS-ASM Nondestructive Testing Regional Education Program

10AM - 4PM (Lunch Provided)

Cost: \$15

Location: United Technical Facility

1081 E North Territorial Rd, Whitmore Lake, MI

Speakers provided from both United Technical & outside companies/universities

Thursday, March 16, 2023
Technical Meeting [Click Here](#)

Topic: Collaborative Robot Technology for Welding

5:30 - 8PM (Close at 9PM) (Dinner Provided)

Cost: No Charge

Location: Fanuc America

3900 West Hamlin Road, Rochester Hills, MI

Saturday, April 1, 2023
Ladies' Night Scholarship Fundraiser

Location: Motor City Casino

6PM - 12AM



Chairman's Message
Mark D. Gugel

This month several of us attended the AWS-Detroit post-holiday party at the Jolly Pumpkin in Royal Oak. Thank you to Erin Lalinsky and Christian Megna for pulling this party together! It was fun catching up with other members and their significant others. Earlier in January, several of us took time to celebrate the life of our past executive committee member Jeffry Hill with his family, friends, and colleagues; he will certainly be missed.

We are looking forward to a busy February. Not only are we looking forward to Valentine's day on the 14th (it's not too late to make reservations), but also to two events in the AWS-Detroit section. On February 9 we are looking forward to our

AWS-Detroit technical meeting at United Technical in Whitmore Lake. Warren Peterson will present, Investigation of Techniques used to Minimize LME in a Production Setting. This meeting will also be our annual Patrons' night meeting. Thank you to all of the patrons who support the AWS and our Detroit section! On February 25, several Michigan AWS and ASM sections will have a joint educational seminar at United Technical in Whitmore Lake. Speakers will present the all-day AWS-ASM Nondestructive Testing Regional Education Program. Seating for both of these events will be limited, so sign up today on the AWS-Detroit Section web site: awssection.com/detroit/ under events. Details for both the Technical meeting and the Educational Program will be listed later in this bulletin.

Just to give a bit of foreshadowing, I'd to give a head's up about our March technical meeting. This meet-

ing will be hosted by Lincoln Electric and Fanuc Robotics. As of now the meeting is not scheduled to fall on the typical second Thursday – it is currently planned for the 16th. Please read next month's bulletin for more details.

On a closing note, I would like to remind all students that the scholarship application deadline (April 1) is coming up quickly. Details are also on the section website listed above. Don't let free money slip through your fingers. In the words of our Scholarship chair – Donald F. Maatz, Jr. "Unless you are privately wealthy, you should be applying for these scholarships."

Best Regards/mit freundlichen Grüßen,
Mark D. Gugel, P.E., Ph.D.

Product Development Metallurgical Applications Consultant - Welding, United States Steel, Advanced Applications Technology
mdgugel@uss.com

SAVE THE DATE! APRIL 1, 2023!

2023 Ladies Night Scholarship Fundraiser
Detroit Section



WHERE: Motor City Casino
WHEN: Saturday, April 1st, 2023



Cocktails	6:00 pm – 7:00 pm	Soundboard
Dinner and Program	7:00 pm – 9:30 am	Ballroom
Afterglow Dancing	9:30 pm – 12:00 am	Soundboard

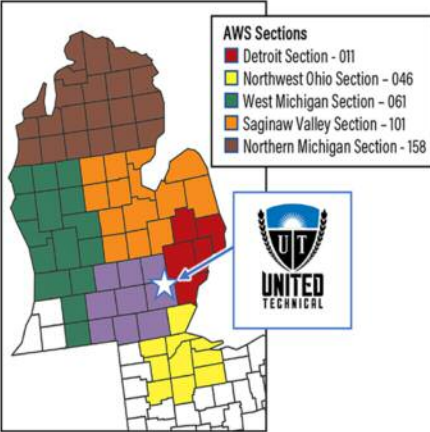
For overnight reservations call 866-782-9622.
Or Online: booking.motorcitycasino.com/#/

Joint AWS-ASM Nondestructive Testing Regional Education Program



<http://www.unitedtech.com>

Saturday Feb 25, 2023



Who: AWS Detroit (11), Northwest Ohio (46), Central Michigan (101) and Saginaw Valley (61) Sections in partnership with the ASM Detroit Section

When: Feb 25, 2023

Duration: Time 10 AM - 4 PM (Lunch Provided)

Cost: \$15 Registration: <https://www.eventsquid.com/event/18952>

Location: United Technical facility - 1081 E North Territorial Rd, Whitmore Lake MI 48189

Format: 30 minute discussion, 30 minute hands-on practical testing for each NDE process.

- Topics:**
- Ultrasonic (UT) and Phased Array Ultrasonic (PAUT)
 - X-Ray (RT)
 - Dye Penetrant (PT)
 - Magnetic Particle (MT)
 - Eddy Current Testing (EC) and Eddy Current Array (ECA)



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Patron's Fund Donations

Thank you for your support! One hundred percent of the Patron's Fund Donations are directed to scholarships for students who are pursuing careers in Welding Engineering and Welding Technology.

To become a Patron, contact Steve Gucciardo, AWS Detroit Section-Patron's Committee Chair, 810-623-6508 or email steve.gucciardo@external.stellantis.com

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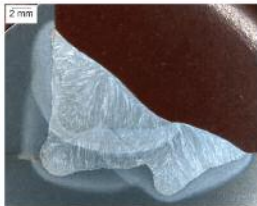
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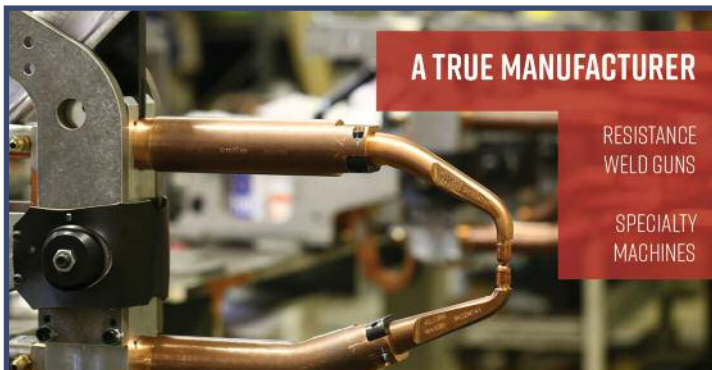
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Who needs KASH?

By Eric Lichtfusz
eric.lichtfusz@roush.com
 AWS/CWI 09070281

Most everyone knows what cash is and why we need it, and most would probably say, 'of course I need cash, who doesn't?' But in this article, I'm going to talk about KASH spelled with a "K." That's an acronym found in the AWS Welding Inspection Technology (WIT) book. The WIT book is used as part of the training/teaching material for the AWS CWI® seminar to become a CWI®. Early in the book AWS asserts that a person who performs welding inspection should possess certain qualities. These certain qualities are thought to assure that the job will be performed efficiently and effectively. I'll talk about these qualities in this article, but getting back to the original question, who needs KASH?

Well, simply put, any manufacturer that performs welding. More specifically if the company has a requirement that the weldments they produce are to be inspected by a qualified welding inspector. That inspector is the one who should be bringing the KASH to the job. So, what is it? Here's how AWS breaks it down and I'll put some of these attributes into context. Each of these attributes are of equal importance but are put into order for the sake of the acronym.

The "K" stands for knowledge of drawings and specifications, welding terms, welding processes, and testing methods. Of course, having knowledge of these things seems to be important but why? Because understanding drawings and the welding symbols they contain is critical in processing a weldment correctly and successfully. By using industry standard terminology and not slang terminology it is more likely that given direction will be correctly interpreted. The same holds true for the design intent being delivered to the weld shop floor through weldment drawings. If welding symbols are properly interpreted and followed, greater

success in your weldment can be expected. By the same token, understanding and being able to navigate through any given standards and specifications can be the difference between success and failure. These standards and specs contain the requirements for such things as required testing for procedures and personnel as well as acceptance criteria to name just a few of the critical details. Also understanding various welding processes can help the CWI® direct the manufacturer toward choosing the most efficient process for the highest degree of success. A good understanding of testing methods is also critical for making determinations on interpretation of test results and how to process the findings. Are adjustments in the process needed? Are repairs needed? Are repairs permitted and can we make them? Do we need to use an alternate test method to verify inconclusive test results? Are we performing destructive testing, non-destructive examination (NDE) or non-destructive testing (NDT)? What's the difference? These are all questions that an inspector with knowledge in these areas can answer.

Next is "A" for attitude. So, what kind of attitude should a good and qualified inspector have? It's important that the inspector maintains a professional attitude at all times. It's quite common for inspector's to be challenged on their findings and it's critical that the inspector can

articulate findings in a professional manner. It's easy to become defensive, especially if it seems like your findings are being challenged with a little hostility. That's when it's critical that the inspector maintains a professional demeanor and is able to provide clear, concise, and decisive communication. But the professional attitude goes beyond the critical nature. The inspector must, at all times, display and assert confidence and build a level of trust with all of the people that he/she interacts with. From the lab technicians, welders, engineers, management, and all those in between, a positive attitude can be a powerful tool in bringing all parties together for the common goal, which is to produce a safe and reliable weldment cost effectively.

That brings us to the "S" for skills. A well-trained qualified inspector will possess a level of engineering and *continued on page 10*

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February Hotline

Satisfy your 9-year recertification with AWS endorsements

AWS

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New exhibition at Lansing Art Gallery highlights women in welding

WILX-TV

There is a new exhibition in The Lansing Art Gallery. It's called Working Hands. It features Jessica Considine, Angela Larson, & Kelly O'Neill. The Lansing Art Gallery's exhibition statement say, "The core concept of our exhibition is a celebration of women welders and their unique creations. Each piece is a one-of-a-kind sculpture using steel or aluminum to create multi-media contemporary and abstract art."

New welding method aims to cut construction costs and times

Offshore Wind

New research, investigating single-sided welding for offshore wind foundations, could cut the cost of wind turbine fabrication and help ease bottlenecks in delivering the countries' renewable energy targets which are often stalled by construction times, the Carbon Trust said.

Here ye ...

On the fifth of January 2023, the AWS Detroit Executive Committee convened at 5pm with 19 executive committee members present. After a very productive meeting, Kenny Maartz motioned to adjourn at 6:35, and that motion was seconded by Nick Berchert.

Passing the torch

Phil Temple, AWS Detroit's District Director, has officially announced that Mark Rotary has been elected as our new District Director. Mark's term is set to commence on Jan 1, 2024.

Scholarship applications

Deadline for National, District, and Section Scholarships is March 1st. AWS Detroit applications are due later, see the AWS Foundation web site for more details.

What are you doing March 16th or May 11th?

Nothing? Great! Then get yourself out to see AWS Detroit Technical Night at Lincoln Electric and RAM Solutions. Both hosts are some of AWS

Detroit's biggest Patrons who help AWS Detroit shape our future workforce.

Awards Night

AWS Detroit Executive Committee Member Dr. Mike Karagoulis has excused himself from committee functions while he recovers from a shoulder surgery. Please wish the best for Mike as he continues to prepare for Awards Night in May.

Changes to the Library

Technical Representative Rick Pietron has announced the following 2022 Publications were ordered from National to bring the Detroit Section Library up to date. Those publications include ...

- A5.31M/A5.31:2022 - Specification for Fluxes for Brazing and Braze Welding
- B2.1/B2.1M:2021 - Specification for Welding Procedure and Performance Qualification
- B2.5/B2.5M:2021 - Specification for Measurement of Welding Power Source Output for Calculation of Welding Procedure Heat Input
- C3.7:2022 - Specification For Aluminum Brazing
- D8.9M:2022 - Test Methods for Evaluating the Resistance Spot Welding Behavior of Automotive

Sheet Steel Materials, and

- G1.6:2022 - Specification for the Training, Qualification, and Company Certification of Thermoplastic Welding Inspector Specialists and Thermoplastic Welding Inspector Assistants

Welder's guide to welding symbols

PrimeWeld

From May 17: Welding symbols can be one of the most confusing parts of welding blueprints. Learning welding symbols is necessary to be considered a successful welder. With so many different technical terms and symbols out there, it may seem tedious to study and understand them. Lucky for you, this guide to welding symbols shows you everything you need to know to do your job right.

Tips for longer, safer power tool battery life

AWS Welding Digest

From January 25: Power tools and their batteries are rugged instruments designed to perform tough jobs, but they still require care to maintain safe, optimum performance. There are steps users can take to extend tool and battery life, and help keep power tools operating at peak performance for a longer life cycle.

When was welding invented?

The Sun

From August 23: Welding is a process that makes two materials, normally metals, join together with the use of heat. This is all about who invented welding, how it works and who invented machinery to perform such a process.

Nelson Sanchez Named President of RoMan Manufacturing, Inc.

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Robert Roth, President and CEO of RoMan Manufacturing announced the appointment of Nelson Sanchez as RoMan's new President effective January 1, 2023. Sanchez is the first nonfamily member to hold the office of president at the family-owned company founded by Dietrich Roth and Robert Hofman in 1980.

Sanchez joined RoMan as Chief Financial Officer in 2013 and became Chief Operating Officer in 2016. In the latter role, he was responsible for the corporate day-to-day oversight of RoMan's, finance, marketing, HR, IT, purchasing, and manufacturing functions.

"As RoMan's COO Nelson has proven he is the right person at the right time to take over the presidency of the company. His experience in manufacturing is multifaceted and he brings a keen strategic mind and disciplined management approach to the position," said Roth. "Nelson has played a key role in the continued growth of our company and believes in RoMan's strategic vision; 'To be the global brand of choice for Industrial Power Conversion Solutions.' Finally," Roth added, "I trust him, the Hofman and Roth families trust him, and our board of directors trust him."

During his first remarks as President of RoMan to the company's staff, Sanchez said, "I am honored and humbled that the Roth and Hofman families, as well as the RoMan board of directors, have expressed their confidence in me to carry on the good work started by Dietrich Roth and Robert Hofman. My commitment to RoMan," he added, "is to honor the past and the culture it represents while helping shape a future where our global brand will continue to expand its footprint as we serve thousands of clients worldwide."

Founded in 1980, RoMan is a family-owned company that manufactures high-current, low-voltage power conversion solutions for the automotive, glass, furnace, and a wide array of other industrial markets. With thousands of custom-designed and standard products, it has helped transform manufacturing for thousands of corporations in the United States, Canada, Mexico and over 40 other countries around the world.



Thank You

AMERICAN WELDING SOCIETY



Luke Orr
 Grand Rapids, MI
 Ferris State University
 Welding Engineering Technology
 Detroit Roth/Resistance Welding - District 11 Scholarship
 District 11 - 051-West Michigan

I would like to thank the AWS Detroit District for awarding me this scholarship. Going into my final year at Ferris State University also comes with another year of spending a large amount of money on my education. This money that I have been given will be extremely helpful in aiding to lower the cost of school and allowing it to be more affordable. I thank you for this scholarship and investing in my goal in becoming a welding engineer.

Our Mission is to advance the science, technology and application of welding and allied joining and cutting processes worldwide, including brazing, soldering and thermal spraying. AWS Detroit provides support for the industry in many ways, including:

- Institutional Grants (endowment based);
- Scholarships through Application (endowment based);
- Scholarships through aptitude (HSWC);
- Vocational Support (case by case but budgeted each year),
 - Institution (e.g. supply gas and materials),
 - Local Contest (e.g. travel expense),
 - International Contest (e.g. travel expense);
- Student Memberships (evaluated each year);
- Student Chapter (evaluated each year);
- Technical and Educational Opportunities.

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Reflecting On Days Gone By... '02?

Wanted ... Information leading to the identification of these fun loving AWS Detroit fellows. The gang pictured cannot be identified for our archives. Any information leading to the identification of those photographed is greatly appreciated. Please email cody.nichols@midwayproducts.com with this information and any Hotline material you'd like to see published in the ebulletin.



Social Media Update

If anyone has anything they would like posted to Facebook and/or LinkedIn please send it to Christian Megna: christian.a.megna@gmail.com

LinkedIn Since the last update, the AWD Detroit LinkedIn page has had:

- 1 new post
- 140 post views 22%
- 2,627 total members
- 35 active members 22%
- 2 new members

Facebook Since the last update, the AWD Detroit Facebook page has had:

- 8 new page likes 33.3%
- 74 page views 88.9%
- Posts reached 3,300 people
- 202 people engaged with posts
- 7,862 page likes
- 9,297 page followers



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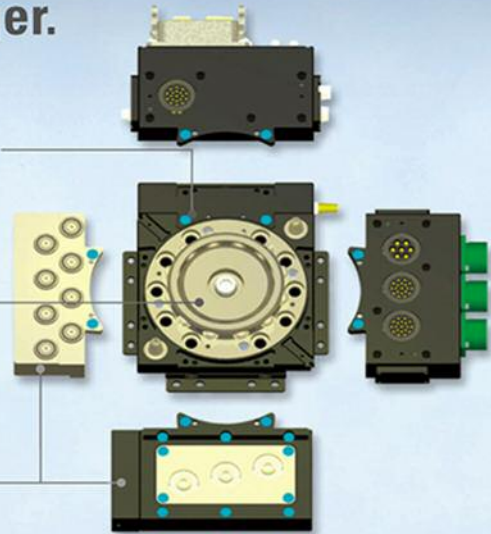
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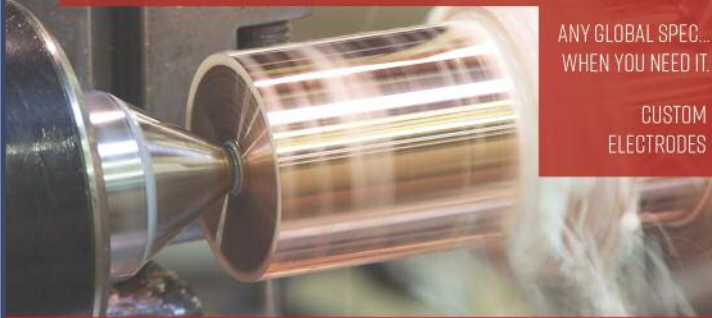
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continued from page 5

metallurgical training as well as various inspection and welding experience. Many welding inspectors start off as welders and simply transition into the inspection sector without any other skills aside from welding. And while it's great that an inspector has extensive welding background, does that person necessarily understand the engineering or metallurgical aspects of the weldment? By that I mean how does welding affect the microstructure of the base metal? An understanding beyond simply identifying rejectable discontinuities is critical. On the other end of the spectrum is the engineer or metallurgist, who by virtue of academics becomes a welding inspector with little or no welding experience. If you understand the engineering and metallurgical side without having any significant experience in various welding processes, you'll also be facing some struggles. What caused the indication? Was it the process or technique? Procedure or performance? In my humble opinion it takes a delicate blend of all of these skills to become an effective inspector. The right combination of these skills can help the inspector problem solve as well as avoiding potential issues from the start and that's a win for everyone.

Finally, the "H" is for habits. It's important to understand that not all habits are good. And seemingly it's easier to develop bad habits than good ones. Understanding the maintenance requirements of an inspectors visual testing (VT) records, maintaining good physical condition and good vision, to mention just a few, are good habits the inspector should demonstrate. A well-rounded inspector has not only developed good habits of his own but can identify bad habits a manufacturer or its employees may have developed. Poor record retention or distribution of poorly identified drawing revisions by a manufacturer are common

pitfalls. These types of issues can lead to costly updates and weldment revisions late in the manufacturing process. Recognizing this and helping the manufacturer develop good habits in record retention and revision control are only a few ways a well-trained inspector can benefit any company. Also identifying poor welder training or poor skills development programs. Once identified a qualified inspector can help the manufacturer develop and implement good habits such as current and effective training methods. Unfortunately hiring welders that are poorly or inadequately trained can also become a bad habit. That's why it's a good habit to have a well-rounded welder training program in place. Good habits for a manufacturer such as regular equipment maintenance schedules are excellent ways to ensure welding power sources are working efficiently. Also keeping welding and fabrication areas clean is a great habit and is necessary to prevent base metal cross contamination and other welding related defects. It's also a good habit to maintain a well-stocked supply of common welding consumables. This helps to minimize downtime when it's time to rebuild or repair equipment. These are a few of the critical good habits for any manufacturer to develop in order to be competitive and profitable.

In closing I will tell you that it would be unrealistic to think all CWI's® have the same level of training or skillset. That's simply not true. However, I do believe that the CWI® exam provides a measurable assurance that an individual who has taken and passed the exam possess skills from a proven body of knowledge. It's up to the CWI® to continue to develop the habit of furthering their training and education and continue to expand their value-added abilities. That's how a CWI® turns KASH into cash for a manufacturer.

If this subject and others like it are interesting to you and you're not already an AWS CWI®, why aren't you? If becoming a CWI® is a career path that you would like to pursue, the AWS-Detroit Section typically hosts two AWS CWI® Seminar/Exams yearly, usually May and October. Although the registration window has likely closed for October by the time this is published, the seminar/exam date and location for October 2022 is as follows:

CWI Seminar October 16 – 21, 2022
Exam October 22, 2022
Detroit Metro Airport Marriott
30559 Flynn Dr, Romulus, MI 48174
(734) 729-7555

Check the AWS-Detroit e-Bulletin often for other helpful information, at awssection.com/detroit/

For more information on future seminar/exam dates and how to become properly trained and certified by the American Welding Society and to register, you can visit www.aws.org/certification.

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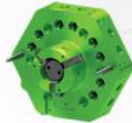
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A Letter from the Scholarship Committee

For many years, the AWS-Detroit Section has been committed to supporting education as an integral part of fulfilling our mission statement. The educational activities we as a section support include our annual high school welding contest, the biennial Sheetmetal Welding Conference, our vocational grant awards, and our scholarship program. As with all things the section accomplishes, it would not be possible were it not for the dedication of our volunteers, the support of our partners in industry, and the various educational organizations and students that all come together and contribute to build a better welding industry for all of us.

For the academic year 2022/23 the section was able to award 40 scholarships totaling \$61,000 to candidates from five (5) different schools. This year, one of those awardees could be you. If you are enrolled in a welding class or are in any other welding program for 2023-2024 for academic school year, you may be eligible for a variety of scholarships. These would include the AWS-Detroit section Scholarships, AWS-Detroit section Named Scholarships, AWS District-II Scholarships and the AWS-National Foundation Scholarships.

You can find more information about the AWS-Detroit scholarship application process, and determine your eligibility at our website www.awssection.com/detroit - Just click on the 'Scholarships' tab. The application deadline is April 1, 2023. We have an interactive on-line application through our partners at the AWS Foundation - I would encourage everyone to take advantage of it.

More information concerning AWS Section, District and National awards can be found at www.aws.org/about/page/scholarships.

As chair of the AWS-Detroit scholarship committee I would encourage everyone to stay committed and focused on your education. The possibilities are bright within our industry, so to anyone who thinks that they may be eligible I would not delay in sending in your application - You never know what might happen. I know this because I have been there, the recipient of a \$1500 award from the AWS-Cleveland section just a few short years ago, in 1993.

Thanks again for your support of our efforts,
Donald F. Maatz, Jr.
Chair - AWS-Detroit scholarship committee



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for

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ASSOCIATE OR BACHELOR DEGREE**

in

**WELDING ENGINEERING,
WELDING ENGINEERING TECHNOLOGY**

or

RELATED FIELDS with WELDING CONTENT

For students pursuing Post-secondary training or an Associate/Bachelor Degree in Welding Engineering, Welding Engineering Technology or Related Fields with welding content. These scholarships provide money to be used for the student's tuition, books, or lab fees for one year. To be eligible for these scholarships, you **MUST BE ENROLLED** in a certification-based program or two (2) or four (4) year engineering degree program in Welding, Welding Technology, or a related field. The program supports students who either live in, or are attending schools in the state of Michigan and the following counties in the province of Ontario: Essex, Chatham-Kent, and Sarnia-Lambton.

An on-line application form (with supplemental instructions) is now available on the AWS Detroit Section website, under the 'Scholarships' tab.

[Click Here.](#)

**Application deadline for the 2023-24
academic year is April 1, 2023.***



For 2022/23 the section was able to award 40 scholarships totaling \$61,000 to students from 5 different schools.

**Please reach out directly if you have a paper application to send in (dmaatz@reautomated.com)*

Thank You

AMERICAN WELDING SOCIETY



Lance Wheeler
Caledonia, MI
Ferris State University
Welding Engineering Technology
Detroit Section Scholarships
District 11 - 011-Detroit

Dear AWS Foundation Committee,
I am writing to express my gratitude to you for the Detroit Section Scholarships of \$1,000.00. I was thrilled to learn of my selection for this honor and I am deeply appreciative of your support.
I enrolled in the AAS Welding Engineering Technology program at Kellogg Community College my junior year of high school as an early college student. I completed the program in May of this year and have been working full time at RoMan Manufacturing this summer.
I am excited to continue my education at Ferris State University in the Welding Engineering Technology program this fall where I will be working to obtain my BS in Welding Engineering Technology.
By awarding me the Detroit Section Scholarship you have lightened my financial burden which allows me to focus more on the most important aspect of school, learning. Your generosity has inspired me to help others and give back to the community. I hope one day I will be able to help students achieve their goals just as you have helped me.
Sincerely,
Lance Wheeler

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AMERICAN WELDING SOCIETY



John Zaremba
Midland, MI
Ferris State University
Welding Engineering Technology
Detroit Section Scholarships
Detroit Ellicott/Arc Welding - District 11 Scholarship
District 11 - 011-Detroit

Dear Scholarship Donor:

I am writing to thank you for the most generous \$1,500 Amos & Marilyn Winsand Scholarship (Detroit Section: 11-051 West MI) and the \$2,000 Detroit Ellicott/Arc Welding District 11 Scholarship. I was very excited and honored to learn that I was selected as a recipient of this scholarship. I was fortunate to be accepted into Ferris State University (FSU) prestigious Welding Technology program with the goal to achieve the Welding Engineering Technology Bachelor's Degree. I am eager to return for my senior year this fall and I'm passionate about continuing my educational journey within the welding field. My junior year at Ferris State has been a very rewarding experience having to overcome restrictions with COVID. I have learned a great deal about welding, time management, and networking.

Throughout my time at FSU, I had attended multiple extracurricular events trying to network and find an organization where I could add value. The American Welding Society (AWS) Ferris state chapter provided me that stepping stone. Sharing common interests with other members and getting involved in the community pushed me towards wanting to get more involved in future years. By joining AWS, I knew it would help me network and develop relationships with leaders within the welding industry but what I did not realize was the help that they provided to those that were less fortunate. I saw how important it was to get involved and volunteer my time to help others in need making me feel like I am contributing in a positive way to society.

During my junior year I was the President of the AWS FSU Chapter, striving to improve communication, organizational structure, and increase community outreach within our chapter. My goal was to get as many students involved with AWS, but so far in 2020-2021 it has been challenging to organize events with all the COVID restrictions. We still had a successful year increasing our community outreach activities and utilizing different means of communication to get more students involved with AWS. I want all the FSU welding students to have the same rewarding experience as I did through AWS. As a senior I did not run for President, but the board members created a new position and assigned the Community Service Chairman role to me. By doing this I could mentor the new President supporting sustainability within the program and increase community service awareness of the AWS FSU program.

The financial assistance that AWS has provided will be of great help to me in paying for my educational expenses allowing me to concentrate more of my time for studying and getting involved in AWS. Without this scholarship, I wouldn't be able to achieve the grades necessary to fulfill my career ambition of becoming a Welding Engineer.

Thank you again for the generous scholarship and investment in my future. The generosity has inspired me to help others and give back to the community.

Sincerely
"JP" John P Zaremba III



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Questions? Contact: Brad Rillema, Detroit District Sales Manager
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