January, 2020

Chair’s Message

Here’s hoping that your holidays were joyous. We welcome you to the 2020 season of the American Welding Society New Jersey Section meetings and events. I don’t know if it’s the broadcast news moniker; but I have been looking forward to writing the year 2020 for quite some time.

I am thankful for the opportunities and possibilities that the new decade may bring to us. I look forward to seeing you, and wish you all a happy, healthy, and productive year ahead.

This month, Paul Lenox, Owens Steel Company, will be our guest speaker and, in my humble opinion, is never without something of interest and value to share.

Come join us, listen, and be part of the conversation

Larry Abernethy, BASF, AWS N.J. Section Chairman
larry.abernethy@basf.com

Scholarships are Available

They are NOT just for high school students — YOU may be eligible

Scholarships are available to applicants who want to further their education in the welding field. Scholarships are not limited to high school students looking for college assistance. They are open to ALL those in the welding industry who wish to advance their careers by taking additional welding related courses from a welder training institute, trade school, or AWS sponsored course such as the Certified Welding Inspection Seminar.

In addition to National Scholarships, there also are District-Named and Section-Named Scholarships. For more information about the various types of scholarships available, and to download or complete an online application from the AWS website. The direct URL link is:

https://www.aws.org/foundation/page/scholarships

—AWS NJ Section News January, 2020—
January 15th Meeting

Repair of Cracks in Heavy Weldments

Speaker: Paul Lenox, CW, CWI, Field Operations Manager, Owen Steel Company

During this presentation, Paul will go through an actual repair in 4” material. It will start with how the crack was found, the process used for sizing and mapping, and content needed for the repair procedure. It will include a step-by-step slide show of the repair from start to finish.

With nearly 30 years of experience in all aspects of welding, Paul Lenox is ideally suited to discuss repair procedures. He has been a Certified Welder for 20 years, and a Certified Welding Inspector for 12. He graduated from Bridgewater Raritan High School; worked for 11 years in Technical Sales for BOC Gases/Airgas; and for DCM Erectors, the prime steel contractor for the “Freedom Tower”. He served as the Inspection Service Manager at Atlas Evaluation and Inspection Service (AEIS); Quality Control Manager for Harris Structural Steel Fabrication/MRC, LLC; and Quality Control Manager for Bankers Steel NJ LLC; prior to assuming his current position as Field Operations Manager for Owens Steel Company.

Paul is a past chairman of the AWS NJ Section and has served as Chair of the Certification Committee. He currently serves on the Technical Program Committee and as a member of the Executive Committee. He is married and has two children.

Owens Steel Company has been “changing the skyline since 1936”. They offer a full range of steel contracting services from design to installation. Visit their website at: https://www.owenssteel.com

Member & Company News

Changed positions? Received a promotion? Have a new product or service? Share your news and achievements with other AWS NJ Section members. Send it to the newsletter:

Email to: grillonpkg@comcast.net
Subject: AWS NJ Section News

January 15, 2020
(Wednesday)

Snuffy’s Pantagis Renaissance
250 Park Ave. (at Mountain Ave.)
Scotch Plains, NJ 07076
908-322-7726
www.pantagis.com

4:30 p.m. Executive Meeting
6:00 p.m. Networking
6:30 p.m. Buffet Dinner
7:00 p.m. Presentation

Members & Guests: $ 25.00
Students: $ 15.00

DATE: January 15, 2020
LOCATION:
PROGRAM:
DINNER COST:

[AGL WELDING SUPPLY CO., INC.]

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Join a NJ Section committee

[ G. Cotter Enterprises]
New HyperFill™ What is it?

HyperFill™ is a patented twin-wire GMAW-P solution that utilizes two wires energized by a single power source. The wires feed through a single wire feeder, single gun and liner, and a single contact tip.

The HyperFill process incorporates a special waveform that creates a large droplet transfer by forming a liquid bridge between the two wires. This spreads out the arc cone allowing for improved deposition rates while maintaining excellent arc stability. The resulting larger weld puddle is ideal for making single or multiple pass 2F or 1F/1G fillet and groove welds.

The HyperFill process offers fabricators deposition rates up to 30-50% higher than typical single wire GMAW processes without sacrificing weld quality by improving bead and penetration profiles. HyperFill is one of the most important recent advancements in welding technology for employers due to its ease of use and ability to increase productivity.

Submitted by: Troy Gurkin, Global Industry Segment Director, Heavy Fabrication The Lincoln Electric Co., Inc.

At the Meeting October 16, 2019 at Pantagis Renaissance

Cold Metal Transfer (CMT) Welding — Fronius USA

Alta Hardenstine, Distribution Support Specialist, explained Cold Metal Transfer Welding and what makes the process ideal for thin materials. She also gave an overview of tools for off-site applications.

(L-R) AWS NJ Section Vice Chairman, Vince Murray, AGL Welding Supply, thanks guest speaker Alta Hardenstine, Fronius, USA.

Photo courtesy of Eric Dolan, Dolan Associates
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Email to: grillonpkg@comcast.net
Subject: AWS NJ Section News

Coming Events
AWS NJ Section Meetings are held on the 3rd Wednesday of each month, September through May except for December. Unless otherwise posted, the meeting location is: Pan-tagis Renaissance/Snuffy’s Clambar, 250 Park Ave., Scotch Plains, NJ.

January 15, 2020 6:00pm AWS NJ Section Meeting “Repair of Cracks in Heavy Plate” Paul Lenox, CW, CWL
Field Operations Manager
Owens Steel

February 19, 2020 6:00pm AWS NJ Section Meeting “Principles of Metal Transfer — It’s All in the Drop”
August F. Manz, A.F. Manz Associates

March 18, 2020 6:00pm AWS NJ Section Meeting “New HyperFill Process”
Troy Gurkin, Global Industry Segment Director, Heavy Fabrication,
The Lincoln Electric Co., Inc.

Programs/Speakers are subject to change