IMPORTANT NOTICE:

To continue receiving your chapter's event notifications, please be sure your email and postal addresses are up to date on the ASM web site:

www.asminternational.org

We will continue to send the hard copy to members who do not have email or have requested email not be sent.

Be sure to visit the chapter's website:

easternva.asminternational.org

Technical Presentation*

Hydrogen Measurement During Steel Processing

Thursday, May 4, 2017

Kelly’s Tavern – Port Warwick
1010 Loftis Boulevard
Newport News, VA 23606
757-246-0080
www.kellystavern.com

6:00 – 6:30 PM Social
6:30 – 7:00 PM Dinner
7:00 – 8:00 PM Presentation

Reservations: Please notify Dave Conley at David.Conley@hii-nns.com by 5:00 PM on Tuesday, May 2nd on your planned attendance. Everyone is welcome.

* 1 PDH credit will be awarded for each technical presentation attended.
Chairman's Message:

Our last event went very well, a tour of the Service Center Metals aluminum extrusion plant in Prince George. We received 15 reservations, and we were told that it was the largest single tour group that they have hosted. They handled it well. It is an impressive operation with extensive automation, and we thank them for their time.

We have another technical talk coming up in a week or two. Details are elsewhere in this newsletter, and we remind you that guests are welcome. Feel free to pass it around to anyone who may be interested in the subject or in the professional development hour that we are offering.

Please also watch for details about our final event of the season, a private tour of the Gunsmith's Shop at Colonial Williamsburg. This is normally available only to those who buy an admission ticket. We hope to see you there.

About the Presentation:

Hydrogen is considered a difficult element to measure in cast steel. For many decades, statements have been made about the effects of hydrogen but without the context of measured values. Melting and pouring practices have been developed to "address" the issue of high hydrogen without the quantitative context of which practices are optimal if even effective. This technical discussion will describe the efforts and results to date at the Newport News Shipbuilding foundry to measure hydrogen in process during casting production.

About the Speakers:

Rick Boyd is a Senior Metallurgist in the Foundry of Newport News Shipbuilding. He is responsible for the technical control of chemistry and heat treatment of castings made in the Foundry. Rick received a B.S. Metallurgical Engineering – Drexel University, has over 50yrs of casting experience, past VP of Technology for Steel Founders Society of America (SFSA), Served on the Board of Directors for American Foundry Society (AFS) and has written/presented numerous papers to both SFSA, AFS, and AIST-Electric Furnace.
Todd Dinkel is a Material and Process Engineer in the Laboratory Services Department of Newport News Shipbuilding. He performs failure analysis examinations and serves as a metallurgy resource within the Shipyard’s laboratory. Todd has a Bachelor of Science degree in Metallurgy from Penn State University. He has been employed in the Foundry (ferrous and non-ferrous) and Forging industries for 38 years including eight years with the shipyard.

Chris Story is an Engineering Manager in the Laboratory Services Department of Newport News Shipbuilding. He is responsible for mechanical testing, metallurgy and metals chemistry testing within the Shipyard’s laboratory. Chris holds both B. S. and M. S. - Materials Engineering from Virginia Polytechnic Institute and has been with the shipyard for nine years.

Matt Jaroma is a Chemist in the Laboratory Services Department of Newport News Shipbuilding. He is responsible for metals chemistry testing for the onsite foundry as well as supporting the metallurgy section. Matt received a B. S. from Christopher Newport University and has been with the shipyard for almost ten years.

Jason Binns is an Engineering Manager in the Foundry Department of Newport News Shipbuilding.

Upcoming 2016/2017 Events:

Late May: Tour/Social - Gunsmith - Colonial Williamsburg
July/Aug.: Student Outreach - ASM Teachers Camps - Norfolk/Richmond

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