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

Dinner Meeting, Guest Speaker and Technical Presentation*:

Additive Manufacturing Material and Inspection Investigations – An Overview with Examples
Presented by:
Dr. John Ralls, PE

Monday, March 4, 2019

Al Fresco Restaurant
11710 Jefferson Avenue
Newport News, Virginia 23606
http://www.alfrescoitalianrestaurant.com/

5:30 – 6:30 PM: Social
6:30 – 7:00 PM: Dinner
7:00 – 8:00 PM: Presentation

Cost: No cost for meeting, each guest will pay for their dinner choice.

Reservations: Please notify David Conley (David.Conley@HII-NNS.com) by Friday, March 1st of your attendance

*1 PDH credit will be awarded for each technical presentation attended.

For more information please see our web site:
easternva.asminternational.org
**About the Presentation:**

This will be a joint meeting with the local Eastern Virginia Section of ASME. This is a technical meeting and 1 PDH credit will be awarded to Professional Engineers upon request.

**Abstract:** Dr. Ralls will be providing an overview of material developed using additive manufacturing (AM). The brief will provide an overview of investigations performed for two materials: nickel-copper and 316L stainless steel. As part of this presentation, he will provide an overview of mechanical properties, microstructure, and welding performed on an AM application example. This review will also identify some potential AM failure mode considerations. A set of experiments will be highlighted that investigated the applicability of nondestructive inspection techniques for evaluating simulated porosity, planar defects, and AM “witness lines.”

For more information about 3D Printing at Newport News Shipbuilding, see the following links:

https://www.youtube.com/watch?v=YLt59G8FeSq
https://www.youtube.com/watch?v=Ri6mLomJw8s
https://www.youtube.com/watch?v=B3eJkWzY6tQ
easternva.asminternational.org

**Directions and Parking:**

From I-64 East:
- Exit 258A onto US-17/J Clyde Morris Boulevard
- Continue west for ~1.4 miles
- Turn right onto Jefferson Avenue
- Continue for ~0.4 miles
- Turn right into the **Oyster Point Square** parking lot with the Al Fresco Restaurant on your right
Potential Upcoming Events:

March: Chaparral Steel Plant Tour - Petersburg
April: Busch Vacuum Pumps and Systems Tour - Virginia Beach
May: Gunsmith Shop Tour - Williamsburg
Summer: ASM Materials Camp for Students; AMS Teachers Camp - Norfolk

Chapter Officers

Chairman:
David Conley
David.Conley@hii-nns.com

Vice Chairman:
Open

Secretary:
Cater Almquist
Carter.S.Almquist@hii-nns.com

Treasurer:
Don Geisler
drgeisler@verizon.net

Officer:
Roger Crider
crider.roger@gmail.com

Officer:
Jim Hurst
bricks59@cox.net

Officer:
Kurt Thompson
kurtthomps@aol.com

Officer:
Jeff Wiese
wiese@nleng.com

Program Chair:
Steve Gentz
steven.j.gentz@nasa.gov