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

A Joint Meeting with the Central Virginia Section of ASME

Technical Presentation*
Design Considerations Associated with Additive Manufacturing

Thursday
April 28, 2016
6:00 PM - 7:00 PM

Virginia Commonwealth University
Engineering West Hall, Room 106
601 West Main Street
Richmond, Virginia

Dinner: Pizza and soft drinks will be provided for $10 per person, free for students.

Reservations: Please notify Jeff Wiese at wiese@nleng.com or 804-421-7897 by Tuesday, April 26. Everyone is welcome.

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

This will be a joint event with the Central Virginia professional and the VCU and VSU student sections of ASME.

There has been an ongoing project at Newport News Shipyard to use additive manufacturing methods to produce parts for Navy vessels. The objective is to create the parts as they are needed rather than warehousing spares for every possible configuration. This also opens up the possibility of eventually producing the parts on the vessels while deployed with the obvious advantages that would provide. Our presentation this month will describe some of the challenges involved with this effort.

About the Presentation:

Traditional manufacturing techniques have historically focused on the conversion of some form of raw material into a finished product. These traditional techniques have well established fabrication methods, tools, and equipment. In contrast, design considerations associated with additive manufacturing (AM) are continuing to develop within industry.

This presentation will provide an overview of industry considerations associated with design for manufacture using AM including select fabrication methods, material testing considerations, processes, geometry, and part development.

About the Speakers:

Dr. John W. Ralls is an engineering manager with Newport News Shipbuilding and is the engineering lead for their research efforts in the area of additive manufacturing. His work has included the evaluation of AM technologies, the development of AM material qualification and tests, and other AM related design and material evaluations. Dr. Ralls is a licensed professional engineer in the Commonwealth of Virginia.

Kyle Wade is a mechanical engineer with Newport News Shipbuilding. His AM research efforts have included material qualifications, testing, design analysis, and production trials. He has experience in naval part qualification and is a member of the Navy Reserve Engineering Duty Officer community.

Contact any of our officers if you would like to advertise in our newsletter.
Directions:

From Westbound I-64:

- When approaching downtown Richmond and the I-95 interchange, keep right to stay on I-64 W and follow signs for I-95 N/Charlottesville/Washington
- After 0.6 mi, use the 2nd lane from the right to take exit 76A toward Chamberlayne Ave.
- After 0.1 mi, take W. Leigh St. and N. Belvidere St. to W. Main St.
- After 1.0 mi, turn left onto Chamberlayne Pkwy
- After 0.2 mi, take a sharp right onto W. Leigh St.
- After 0.3 mi, turn left onto N. Belvidere St.

See the map below.

Parking:

Heading south on N. Belvidere St., either turn right onto W. Main St. and left onto S. Laurel St. to enter the parking structure or left onto W. Cary St. and left onto S. Madison St. to enter the parking lot. See the map above.

There will be a charge for parking. Normally it is around $2, but there is a show at the Altria Theater at 7:30 PM and they use these lots. On show nights the charge is $8, but we may be arriving before the increased rate takes effect. We will send out an update if we receive any new information.

Upcoming Events:

May 20: Colonial Williamsburg Armory Tour and Demonstrations
Summer: ASM Teachers Camps

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