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 websites at:
EasternVA.asminternational.org
asmeasternvirginia.tripod.com

Technical Seminar
The Technology and Science of Ceramic Materials

James Hurst

Tuesday, April 29, 2014

Center Street Grill
5101 Center Street
Williamsburg, Virginia 23188
757–220–4600
www.centerstreetgrill.com

6:00 – 7:00  Social Time and Dinner
7:00 – 8:00  Presentation by James Hurst

Dinner:  Attendees are free to order off the regular menu.

Reservations:  Please notify Jeff Wiese at 804-421-7897 or wiese@nleng.com by Thursday, April 24 on your planned attendance, including carpooling from the Richmond area. Everyone is welcome.
Chairman’s Message:

This month’s presentation is the last of three technical talks cosponsored by our chapter and the Central Virginia Section of ASME. All three of these technical presentations are educational in nature and worth one (1) Professional Development Hour (PDH) each toward a Virginia Professional Engineer license. 16 PDHs are required during each two year license renewal period in Virginia.

Last month’s presentation, “Plastics in Medicine,” was an interesting summary of the different varieties of plastics that have and are being used in medical applications. Some have worked well, and some have not. It was well attended by ASME members.

Finally, we are raising funds for the summer ASM Materials Camps for teachers. A letter containing more information is attached. Please consider supporting this worthy effort with a contribution and/or passing the letter along to the appropriate contact at your company.

Jeff Wiese

About the Presentation:

Ceramics as a class are probably the most used and least fundamentally understood part of the world of materials. Like metals, much ceramic materials “technology” predates recorded history.

Unlike metals, ceramic molecular building blocks are complex atomic arrangements, and the secondary challenge of purifying the parent minerals continues to be daunting. The field embraces today both incredibly low and high tech synthesis technologies and diverse products.

This talk could be viewed as an analog of “Metallurgy for the non-Metallurgist” or “Introduction to Metallurgy”, both courses offered by ASM with continuing education credits. Unlike this presentation, these courses cost about $2000 and last three days. You may draw your own conclusions as to the depth of the exposure you will receive this evening, but we can guarantee your investment of time and money will be lower.

The speaker will attempt to develop an overview of how today’s ceramics professional views in their field, the various areas of specialization within the profession that exist today, and how these views and specialties have changed over fifty years. Much more information can be found online starting with the homepage of the American Ceramic Society: http://ceramics.org

About the Speaker:

Jim Hurst earned a Bachelor’s and Master of Science in Ceramic Engineering from the Georgia Institute of Technology (Georgia Tech) some fifty plus years ago. During an extended experimental period associated with his thesis, he also acquired a number of educational credits in Metallurgy – a program then in its early stages of development at Georgia Tech within the School of Ch.E.

He spent his professional career of almost 38 years at Brookhaven National Laboratory (BNL) in New York in the Physics Department as part of the Neutron Scattering Group or in the Department of Applied Sciences’ Metallurgy, which later became the Materials Science Department. In both venues, his interests involved synthesis of alloys and some compounds, phase relations, crystal growth, characterization, and a really minor amount of engineering. He served fifteen years as a member of the Laboratory’s Safety Committee involved in major facilities reviews.

Mr. Hurst is an emeritus or life member of the American Ceramic Society, ASM International, the Materials Research Society, and the American Association for Crystal Growth. He served on the Executive Committee of ASM on Long Island and as Chapter Chair twice. He currently serves as webmaster for the Eastern VA Chapter of ASM.

Mr. Hurst taught for a number of years at - Suffolk County Community College and more recently at Thomas Nelson Community College – teaching introductory courses on metallurgy and the broader topic of materials science.

His outside activities once involved solid waste management, golf, sail and power boating, many years on the board of a village association, and more recently several committees associated with his homeowner’s association.

Parking:

There is limited parking available on the street, but there is a large lot directly behind the restaurant with entrances from Courthouse Street and New Town Avenue.

Upcoming Events:

May: Spring Social – Colonial Shooting Academy
July: ASM Camp for teachers – Princess Ann High School in Virginia Beach
August: ASM Camp for teachers – Highland Springs High School in Richmond

Chapter Officers:

Chairman: Jeff Wiese (wiese@NLEng.com)
Secretary: Kurt Thompson (kurtthomps@aol.com)
Treasurer: Don Geisler (drgeisler@verizon.net)
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