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

Eastern Virginia Chapter ASM
C/O Steven J. Gentz
2252 Towne Park Drive SW
Huntsville, AL 35803

Students’ Night
Fun in Metals

Friday, December 2, 2016

The Advanced Technology Center (ATC)
Tidewater Community College Campus
1800 College Crescent, Room 131
Virginia Beach, Virginia 23453
www.vbatc.com

5:30 – 6:00 PM: Social
6:00 – 7:00 PM: Dinner
7:00 – 8:30 PM: Presentation by Dr. Robert Pond, Jr.

Dinner: Free for the first 30 students and accompanying teachers, $10 for members, retirees, teachers, parents, and additional students.

Reservations: Please notify Kurt Thompson at 804-795-1430 or kurtthomps@aol.com by Wednesday, November 30 on your planned attendance.
**Chairman's Message:**

This month’s program is part of our chapter’s continuing commitment to student education at the high school and college levels. In addition to Students’ Night, we offer scholarships to graduating high school seniors, funding for one or two ASM Teachers’ Camps, and provide a grant to cover the travel expenses for one or more high school students to attend the summer ASM Materials Camp, all as funds permit. We sponsored no Materials Camp attendees this year, but the Students’ Night talk would normally begin with a presentation by one of the attendees describing his/her experiences.

Dr. Pond is an excellent speaker, and he has been kind enough to visit our section for many years, continuing the tradition begun by his father. Although high school students and teachers are specifically invited, his presentations are always interesting and accessible to all. This month’s program is sure to be no exception.

**About the Presentation:**

High school students and teachers are specifically invited, although everyone should find the presentation interesting. Fun in Metals is a participatory lecture with demonstrations and exhibits of many facets of metallurgy. Professor Robert B. Pond, Sr. devised this talk for the young at heart from Johns Hopkins University and gave this lecture more than 600 times all over the world. His son, Dr. Robert B. Pond, Jr. follows in his father’s footsteps in presenting the lecture. You will be taken on this romp through many well-known and little understood facts of metallurgy, things we all have seen and few have noticed.

Questions asked and answered include: What is a metal? Where do metals come from? Why are metals strong? Why are metals weak? What is the nature of casting? Do metals make noise? Can they remember? Can they contract when they are heated? Is there a future in metals?

**About the Speaker:**

Dr. Robert Pond, Jr. has been involved in materials and metallurgical engineering fields for more than forty years. He has worked in research laboratories including the Ballistics Research Laboratory at Aberdeen Proving Ground and for various industries. He has taught at the U. S. Naval Academy, for the ASM International, and is currently a full-time Associate Professor of Engineering in materials at Loyola University Maryland in Baltimore. He has participated in the analysis of more than a thousand engineering failures for industry, the government, and in litigation, testifying in court venues more than 150 times.

**ATC Building - Tidewater Community College Campus:**
Upcoming Events:

Jan. 18: Plant Tour - Rolls-Royce – Petersburg
Feb. 19: RJEC Celebrating Engineering Ingenuity & CO2 Dragster Contest - Science Museum of Virginia, Richmond
Feb. 23: RJEC Engineers' Week Banquet - Richmond
   Mar.: Plant Tour - Service Center Metals - Prince George
   Apr.: Technical Topic* - Controlling Hydrogen during Steel Processing (Casting)
   May: Tour/Social - Gunsmith - Colonial Williamsburg
July/Aug.: Student Outreach - ASM Teachers Camps - Norfolk/Richmond

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

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