



SENIOR SCIENCE SOCIETY NEWSLETTER

Volume 5, No. 2
January 2017

General Members Meeting
Monday, 20 February 2017, 7:00 PM
HCC Chesapeake Center, Dining Hall South

Featured speaker TBA

**An email will be sent to the Society membership
once meeting details are confirmed.**



Quick Recap of This Year's SSS "Public Appearances"

As of mid-January, your SSS module presenters and speakers have appeared or are scheduled to appear at two dozen events this school year! Since many of these events include multiple performances of particular modules, this means closed to 100 individual presentations "igniting the spark of science" in Harford County School students and assisting parents and teachers by making them more familiar with the scientific principles behind the subjects they teach.

Briefly, we have participated at school STEM programs this year one or more times at Hickory Elementary School (ES), Forest Lakes ES, Darlington ES, Roye-Williams ES, and Bel Air Middle School. Currently scheduled are STEM events at Red Pump ES, Forest Hill ES, St. Joan of Arc School, and Edgewood ES.

Other venues include the Edgewood Boys and Girls Club, Fallston Library, in-service training for HCPS teachers, and mentoring and other special events at John Carroll High School, Aberdeen Proving Ground, the Science and Math Academy at Aberdeen High School, and the HCC STEM day (see separate article).

If you are not currently involved as a presenter, please consider joining our staff of dedicated "SSS public personalities", as we have an ever-increasing list of modules and walk-by demos (posted at www.seniorsciencesociety.org) and a growing number of schools requesting our support. Working directly with the children is both enjoyable and rewarding. And isn't this why you joined the SSS?



← Rob Lieb (left) and Bruce Burns (right) present the modules "States of Matter" and "Twisted Machines", respectively, at Roye-Williams Elementary School STEM Day on 5 December, 2016 →





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The Foundation is grateful for the financial donations received in 2016 that provide support for the STEM programs that we conduct beyond HCC. We graciously acknowledge the generous donations from our members (in addition to the annual dues paid to the Society), from friends of the Foundation who made personal donation, and from corporate/other nonprofit sponsors. We continue to seek funding to enable us to create and conduct STEM outreach programs. ***We need your help!*** Remember that all donations to the SSS charitable nonprofit Foundation have the added benefit of providing the donor with a tax-deductible donation.



STEM Day at Harford Community College

Harford Community College's Science, Technology, Engineering, and Mathematics (STEM) Division has invited the Senior Science Society to their 1st Annual STEM Day on Saturday, 21 January 2017. This event will showcase student and faculty projects, and give updates on Harford's STEM programs. Dr. Peter Emanuel, Senior Research Scientist for Bioengineering at the Edgewood Chemical Biological Center, will give the keynote address. Afterwards, there will be breakout sessions on a wide variety of STEM topics, lunch, program updates, and a STEM student panel. The event begins at 8:30 AM with check-in and a light breakfast, and concludes at 1:30 PM.

STEM Day will be a great opportunity to learn about our local college's STEM programs. SSS members Tom Guinivan and Dick Schwanke will be two of the presenters. There is no cost (not even for the food) to attend, however, please RSVP to Dick Schwanke (dschwank@harford.edu) before Wed., 18 January, so the head count will be correct.

 **Short deadline!!!**

Two Receive NMTC Visionary Awards for Work with SSS

The Northeastern Maryland Technology Council (NMTC) recently announced its Visionary Awards, celebrating our community's volunteer efforts toward building a STEM educated workforce. Among those honored were Dick Schwanke, current SSS Vice President, and Marlene Lieb, former Associate Vice President of Harford Community College's (HCC) Continuing Education and Training Division. Awards will be presented at the NMTC's 6th Annual Gala on February 23 at the Richlin Ballroom.

Dick received his NMTC Mentor Award for his work in the Harford County Public Schools (HCPS) as an SSS member providing hundreds of hours of Module presentations and demonstrations at school STEM-Nights for students and teachers in HCPS. He is a founding member of SSS and has been also involved in the organizational infrastructure of SSS in many capacities. In addition he coordinates with numerous student STEM events at Aberdeen Proving Ground and with the Boys & Girls Club of Harford County.

A part of Marlene's NMTC Innovator Award was given for providing the initial push that led to SSS being organized in 2008. She called the first meeting of retired scientists together and connected them with a facilitator who helped them solidify their mission. She also introduced them to the supervisor of STEM education in the HCPS system. SSS is now organized under the auspices of HCC and works very closely with HCPS to present demonstrations to students and to offer technical in-service instruction to the teachers.

Congratulations to Dick and Marlene for their work promoting efforts that contribute to building a STEM educated workforce and advancing technology & innovation.