



Hampton Roads Bulletin

EWeek Activities



National Engineers Week, or more commonly E-week, is fast approaching. The 54th annual celebration of National Engineers Week will be observed February 20-26, 2005. This year it is co-chaired by ASME (The American Society of Mechanical Engineers) and BP p.l.c. Information on nation-wide activities may be found at www.eweek.org. In Hampton Roads, we will attend banquets to pay to engineers and their achievements. Additionally, we will encourage our children to consider a career in science and engineering through presentations and participation in competition.

1. January 15, Future City Competition
2. February 12, **MATHCOUNTS** Peninsula
3. **MATHCOUNTS** Southside
4. February 23 and 24, NASA Career Days, NASA Langley Research Center Reed
5. February 24, Introduce a Girl to Engineering Day
6. February 25, ECHR Engineering Excellence Banquet
7. February 25, [Engineers' Week Open House](#) Old Dominion University
8. February 26, [Engineers' Week Open House Competitions](#) Old Dominion University
9. February 26, Engineers' Day at the Virginia Air & Space Museum
10. February 26, Peninsula Engineers Council 2005 Engineer of the Year Banquet

The paragraphs below describe some of the events and provide contact information where known. Update distributions will be forthcoming as the information becomes available.

Future City Competition

The **2004-2005 National Engineers Week Future City Competition** is here!! This is the sixth year the Hampton Roads region is participating in this national competition. The **Engineers Club of Hampton Roads** is proud to be sponsoring the competition again this year. The Future City Competition challenges teams of seventh and eighth grade students, working with a volunteer Engineer mentor, to design a city of the future using SimCity software (provided by Maxis). The students then build a scale model of their city, write an essay about an assigned engineering related topic, and make an oral presentation of their project to a panel of judges.



The Future City Competition is an exciting program for the public and private middle schools of Hampton Roads, and it promotes engineering, architecture, and planning as a career path for our children. In addition, it can also be used to enhance several SOL areas. The final regional competition will be held on January 15, 2005, at the Virginia Air and Space Center. The winner will have a chance to go on to the National competition, to be held in Washington D.C. ***We hope you will consider sponsoring this event.*** As an event sponsor, your company will be associated with an exciting educational event that is a win-win situation. Sponsors will receive good public relations exposure and are able to positively impact the students involved. This year we are offering the opportunity to sponsor a special award. For a donation or "in-kind" services of a value of \$500 or greater, a special award will be presented in your honor. **Your special award will be tailored to your company – concerning a topic of your choosing, or we can suggest a topic, if desired.** At your option, you can provide judges at the competition to judge and present your award; or, if preferred, we can present the award in your organization's name. In addition to monetary contributions, your firm may also contribute time and education by participating as an **Engineer Mentor** for one of the local schools. We would appreciate any level of sponsorship and are hopeful your company can participate! If you have any questions please do not hesitate to call Mark DelSordo at (757) 474-0612.

The Engineers Club of Hampton Roads is looking for volunteers to work with our Officers and Board of Directors on some important tasks. We are looking for volunteers to serve on the Roster Committee, the By-Laws Committee, and a Social Activities Committee. These volunteer opportunities are flexible with your schedule and may take an hour or two of your time per month. If you would like more information or have any questions, please contact Selena Moore at smoore@rickmond.com or any of the Officers.

MATHCOUNTS

MATHCOUNTS is a national competition so challenging, so exciting and so rewarding that the competitors are called **MATHLETES!** It is an NSPE co-sponsored national math coaching and competition program for middle school students. The [Virginia Society of Professional Engineers](#) coordinated Virginia competitions. The Society has over 1700 members throughout the state with many members supporting the **MATHCOUNTS** program through contributions and their time.



Starting in the fall, at the beginning of every school year, educators, former MATHLETES, and hundreds of volunteers work together to coach future **MATHCOUNTS** competitors. All coaches are provided with a free **MATHCOUNTS** school handbook and work with students in the 6th, 7th and 8th grades for months before finally choosing who will participate in one of 10 chapter/regional competitions. Students compete either as part of a school team of four or as individuals. The first placed team, plus the top three scoring individuals from each chapter/regional competition, then goes on to the state competition, where the four highest scoring individuals are chosen to travel to the national competition. The coach of the winning state team is also chosen as the coach of the National Virginia State Team and will travel with them to the national competition.

The Virginia Society of Professional Engineers Tidewater Chapter will host the 2005 MATHCOUNTS Competition on February 12, 2005 starting at 8:30 a.m. at the Reid Conference Center, NASA Langley. Approximately 15 volunteers are needed to score exams and monitor the testing room. Coffee, donuts, and lunch will be provided to all volunteers. Please contact Bill Horton, P.E., State MATHCOUNTS Coordinator, at 596-9681 or whorton@coeneninc.com by January 31, 2005 if you can assist with the competition.

Engineers' Day

The Virginia Air & Space Museum will be celebrating National Engineers' Week by hosting an Egg Drop Design Contest on Saturday February 26th. The American Society of Mechanical Engineers is sponsoring the contest at the museum. This annual Peninsula event has students in grades 5 and over design a carrier to deliver an egg safely, i.e. unbroken, to the ground. For more information contact Rob Gies (757-688-3437, 757-686-3839, rob.gies@ngc.com) or Dean Lowery (757-688-7043, 757-868-7358, dean.lowery@ngc.com).



NASA Career Days

NASA Career days is an annual event where high school students meet engineers and scientist from various companies and professional societies. Sponsored by NASA Langley Research Center, the event will be held on February 23 and 24 at NASA's H. J. E. Reid Conference Center from 9:30 AM to noon each day. About 500 students are expected to attend. For more information contact Dollie McCowan at 757-864-3561 or e-mail: d.m.mccowan@larc.nasa.gov.

Old Dominion University Frank Batten College of Engineering and Technology Engineers' Week Open House

Old Dominion University will celebrate National Engineers' Week by holding its Annual Engineering Open House and Student Competition on February 25 and 26, 2005.



On Friday, February 25, our engineering and technology departments will provide displays of a wide variety of technologies intended for high school students. Come and experience guided tours through our teaching and research laboratories where we will conduct exercises and experiments. Local and regional industries will also participate at the open house to provide information to students.

This year we will have three starting times: 9:00am, 9:30am, and 10:00am. If you are bringing a group of more than 25 students, please pre-register your group. To do so, download the Open House Registration Form [here](#). This will ensure that when you arrive we will have a sufficient number of tour guides available.

On Saturday, February 26, several engineering and technology design competitions for high school students will be held. These contests will test student's inventiveness and skills. Awards will be given to all winners.

Should you have any questions or suggestions, there are several ways to contact us. If your questions/suggestions concern a particular contest, you can contact the contest sponsor (contact information is on the web site). Any other questions/suggestions can be made by e-mail [engineer@odu.edu] or by phone (683-3789).

Banquets

On the southside of Hampton Roads, the Engineers Club of Hampton Roads (ECHR) will host their 2005 Engineering Excellence Banquet on February 25, 2005. This annual event celebrates the achievements of Hampton Roads Engineers. It is the culmination of National Engineer's Week activities in the Hampton Roads area. All engineers are encouraged to attend regardless of discipline or membership. Come and enjoy the fellowship and camaraderie as they honor the outstanding engineers in our community.



On the peninsula, the Peninsula Engineers Council Engineer of the Year banquet will be held at the Point Plaza Suites and Conference Hotel on route J. Clyde Morris Blvd. in Newport News on February 26, 2005. Mr. Robert L. Gunter, Jr. Senior Vice-President for Aircraft Carriers Programs at Northrop Grumman Newport News, was been selected as the PEC 2005 Engineer of the Year. Contact your societies Peninsula Engineering Council representative for tickets and information.