

## September's Program

*TVA's Energy Right & Green Power Switch Programs*

- Thursday September 20<sup>th</sup>
- Giuseppe's Italian Restaurant

Green Power Switch - TVA and participating local public power companies, working with input from the environmental community, have created a program called Green Power Switch to produce electricity from renewable sources such as solar, wind, and methane gas and add it to the Tennessee Valley's power mix.

Did you know that an investment of an additional \$8 per month on your power bill buys enough Green Power Switch to equal the environmental benefits of planting an acre of trees in the Tennessee Valley?

## October's Program

*Insulation, the Forgotten Technology*

- Thursday, October 25<sup>th</sup>
- Location TBD

## Message from the 2007-2008 Chairman, Ron Dailey

With the August 9th Holston Section Kick-Off behind us, the 2007-2008 calendar year is officially underway. We are looking forward to an exciting year with the Holston Section continuing many of the activities that have traditionally been offered, and also pushing forward with newer opportunities.

Our overall initiative this year is to bring an entrepreneurial spirit to our programming to insure that the Holston Section provides its members with the types of activities and opportunities that make ASME membership and involvement worthwhile. As examples, we will continue with our monthly program of speakers and tours, but we are evaluating some ideas that are out-of-the-box for us, such as formats that may include forums and more hands-on experiences. We are also re-formatting our awards program to include an award for outstanding engineer of the year in addition to an early career award that we have traditionally offered. As a final example, you may have noticed that we have re-formatted the website (<http://sections.asme.org/holston/>) to allow our members to tie-in to current events and club activities more easily. Many of the more popular program offerings, such as professional development courses and the newsletter will continue their tradition of offering products and services that help ME's in the region to grow professionally and stay in touch with the engineering community.

One of the keys to helping the Holston Section evolve into an organization that better fits the needs of its members is for you to get involved. We need your help in planning events, from monthly programs to the hugely successful community egg drop. We need your help in spreading the word of our educational initiative grants to schools in the area that are underprivileged. It is your involvement in our monthly meetings that make these events more enjoyable, and also provides meaningful networking opportunities for mechanical engineers in this region. What is it that you want to get out of your ASME membership? Help us to help you make the most of it! If you want to get involved but aren't sure how to start, please contact one of our chairs or call me at 423-229-8292. We look forward to helping you make the most out of your ASME membership!

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## INSIDE THIS ISSUE

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- 1 **Local Section News**
- 2 **Amadei to Keynote 2007 IMECE**
- 2 **ASME Website in Spanish & Chinese**
- 3 **The ASME Foundation and Virginia Tech**
- 4 **I-Show at 2007 IMECE**
- 5 **ASME/ABET Program Evaluators**

## Congress Keynote Believes Engineers should be Facilitators of Sustainable Development



Bernard Amadei, Ph.D., the founding president of Engineers Without Borders-USA, will be the keynote speaker at the 2007 ASME International Mechanical Engineering Congress, Nov. 11-15, in Seattle. Amadei, who currently serves as professor of civil engineering at the University of Colorado at Boulder, will speak on the topic of engineering innovation, particularly as it relates to building a better world for needy populations in developing and underdeveloped countries of the world.

Amadei believes one of the greatest challenges facing the profession today is educating engineers to become facilitators of sustainable development. He is pioneering a shift in engineering education and practice called Earth Systems Engineering, which is aimed at creating interaction between engineering applications and the Earth's natural systems. At UC-Boulder, Amadei directs a new program called Engineering for Developing Communities, which is designed to educate both engineering students and professionals on the importance of being globally responsible through the application of sustainable solutions.

Engineers Without Borders-USA partners with disadvantaged communities to improve quality of life through the implementation of sustainable engineering projects, while involving and training internationally responsible engineering professionals and students. Amadei wants to create a new mindset among young people about service toward humanity. "It's not only about doing well in what you do, it's about going good," he said. The keynote session will be held Nov. 11.

ASME and Engineers Without Borders are teaming up to engineer a better world - and you can help. Visit: [http://www.asme.org/Communities/Students/Undergrad/Engineers\\_Borders\\_2.cfm](http://www.asme.org/Communities/Students/Undergrad/Engineers_Borders_2.cfm)

Online registration for the 2007 ASME IMECE is now open. Visit <http://www.asmeconferences.org/congress07/> for details.

## ASME Web Site Now Translates in Spanish and Chinese

In continued efforts to serve its growing international membership and forge an online presence consistent with new global initiatives, ASME has launched two language translation enhancements on its Web site, **ASME.ORG**

The ASME Web site can now be translated into the Spanish and Chinese languages, in addition to English. Spanish and Chinese-speaking visitors can now receive their respective language translations by clicking on the national flag of either Spain or China located at the top right side of the homepage.

"The new auto translator on the ASME Web site supports the Society's outreach and commitment to the international engineering community, which is a key to expanding our initiatives aimed at global markets," said Sam Y. Zamrik, president of ASME. "We will be adding other language translations including French, Russian, Japanese and Arabic as ASME develops the Web site to better serve its global members and customers."

**ASME.ORG** provides portals to an array of engineering knowledge, including information on technical publications, conferences, codes and standards, continuing education opportunities and other programs of value to the engineering and technology community.



## Early Career Engineer Essay Competition

The Old Guard Committee of ASME invites you to participate in an Early Career Engineer Essay Competition. The competition was developed to engage early career engineers in communicating advice and guidance based on your own personal/professional experiences and your relationship with ASME to new ME/MET graduates. The winning essay will be posted on the ASME Early Career website and the author will receive \$1,000 and a lifetime ASME membership.

For complete details visit: [http://www.asme.org/Communities/EarlyCareer/Old\\_Guard\\_Early\\_Career.cfm](http://www.asme.org/Communities/EarlyCareer/Old_Guard_Early_Career.cfm)



The ASME Foundation would like to thank all staff and membership for your generosity in the efforts to establish the ASME - Virginia Tech Scholarship Fund. The Scholarship Fund will forever remember the victims of this tragedy and honor the survivors through yearly awards to deserving graduate students of the School of Mechanical Engineering.

Our commitment to match the initial \$25,000 gift to the fund from ASME prompts The Foundation to extend this appeal until the one-year anniversary of the events in April 2008. Those who have already contributed can do so again, perhaps in honor of a loved one or to substantiate your enthusiasm and philanthropy toward a worthy cause. Similarly, we give those of you who might not have donated a chance to be a part of a lasting legacy that has turned this tragedy into an event to reflect upon with hope and resilience for the future.

Many student members of ASME have inquired of ways to contribute to the scholarship fund via on-campus fundraising events. Whether you are with a student section or a professional level section, you can help make a big difference in our commitment to Virginia Tech by raising money in your section's name. Please feel free to contact us at [fundraising@asme.org](mailto:fundraising@asme.org) to discuss how you might do that. We encourage such efforts and want to know more about the varying methods you devise to encourage donation to the ASME/VT Memorial Scholarship fund. Thank you for your generosity!

To make a tax-deductible contribution to the ASME – Virginia Tech Scholarship Fund, visit [www.foundation.asme.org](http://www.foundation.asme.org).

**A four-day career enhancement program for early-career engineers, Nov. 9–12, 2007 Seattle Sheraton, Seattle, Washington** *(held in conjunction with the ASME International Mechanical Engineering Congress & Exposition)*

**Nov. 9: Innovation Showcase**

Become inspired at the I-Show, where 10 top collegiate student teams present their technological innovations to a judging panel of successful innovators, industry experts, venture capitalists, and intellectual property specialists for the ultimate reward: industry recognition and seed funds to move onto the next step in commercialization.

[http://www.asme.org/Governance/StrategicManagement/Initiatives/Innovation\\_Showcase\\_IShow.cfm](http://www.asme.org/Governance/StrategicManagement/Initiatives/Innovation_Showcase_IShow.cfm)

**Nov. 10: Invention to Venture Workshop**

Designed for the science, engineering, and technology communities, the 'I2V' is a one-day "entrepreneurship boot camp" that teaches technology entrepreneurship basics, helps build networks, and provides a framework for moving ideas forward. Topics include idea validation, intellectual property management, marketing, building the team, creating a business plan, and financing your idea.

[http://www.asme.org/Governance/StrategicManagement/Initiatives/Invention\\_2\\_Venture\\_Workshop.cfm](http://www.asme.org/Governance/StrategicManagement/Initiatives/Invention_2_Venture_Workshop.cfm)

**Nov. 11: Early Career Forum & Fair**

The Early Career Forum & Fair provides an outstanding opportunity to learn the skills necessary to get on the fast track of your engineering career. Industry experts offer key advice on how to advance in both technical and management areas. You have the opportunity to ask specific questions about your career goals.

[http://www.asme.org/Communities/EarlyCareer/Forum/Seattle\\_ECF\\_Fair\\_Program.cfm](http://www.asme.org/Communities/EarlyCareer/Forum/Seattle_ECF_Fair_Program.cfm)

**Nov. 12: Early Career Development Series**

The Early Career Development Series (ECDS) offers five dynamic sessions covering an array of engineering topics. The 2007 ECDS will focus on such pivotal topics as alternative energies, patents and intellectual property, aerospace design, engineering entrepreneurship, and government funding for engineering research.

[http://www.asme.org/Communities/EarlyCareer/Early\\_Career\\_Development.cfm](http://www.asme.org/Communities/EarlyCareer/Early_Career_Development.cfm)

For complete details, updates, and to register for the Early Career Forum & Fair and other early career programs, visit [http://www.asme.org/Communities/EarlyCareer/Forum/Seattle\\_ECF\\_Fair\\_Program.cfm](http://www.asme.org/Communities/EarlyCareer/Forum/Seattle_ECF_Fair_Program.cfm).

## Finalists for the 2007 "I-Show" Prepare for Congress Showdown



Eight universities will participate in the Innovative Showcase (I-Show) at the ASME Congress in Seattle on Nov. 9. ASME has developed I-Show in collaboration with the National Collegiate Inventors and Innovators Alliance and Idea to Product competitions. I-Show aims to nurture a new generation of innovators, while supporting inventive undergraduate projects, student programs, and faculty curriculum development.

One of the eight university team finalists, Rensselaer Polytechnic Institute, NY, will enter two innovations – the biodegradable building insulation and a device that monitors the condition of feet in diabetic patients. Washington State University also will present two technologies, namely a self-stabilizing hydrofoil for pleasure boats and demonstration of polyimide plastics in the walls of combustors. The other universities scheduled to participate in I-Show are the University of Texas at Austin, St. Louis University, The Pennsylvania State University, University of Idaho, Oregon State University and Texas A&M University. Judges will decide the best and most feasible ideas, and winners will receive seed funding and additional product and start-up support. For more details visit the Web site at:

[http://www.asme.org/Communities/Entrepreneur/Innovation\\_Showcase\\_IShow.cfm](http://www.asme.org/Communities/Entrepreneur/Innovation_Showcase_IShow.cfm)

## Nominate an Engineer for the 2008 Old Guard Early Career Engineer Award!

Recognize an outstanding early career engineer who actively involves themselves in the engineering profession, their communities, and the work of ASME. Submit your nominations today!

Visit

<http://files.asme.org/asmearg/Communities/EarlyCareer/8026.pdf> for more details.

## Student Activity Calendar

### September

Sept. 4-6 Human Powered Vehicle Challenge, Maracaibo, Venezuela.

Sept. 11-12 2007 RTD Fall Technical Conference

Sept. 24 National Manufacturing Week

### October

Oct. 15 2007 International Manufacturing Science and Engineering Conference (MSEC) Atlanta, Ga.

Oct. 22 International Oil and Gas Pipeline Conference, San Diego, Calif.

### November

Nov. 11-15 International Mechanical Engineering Congress & Exposition, Seattle, Wash.

## Renew ASME Membership Early for Your Chance to Win a 42" Plasma TV!

Find out how you could become eligible to win a 42" Plasma TV simply by renewing your ASME membership by Sept. 1 (for 2 entries to win) or renew online by Oct. 1 and receive three entries. All paid renewals must be received on or before Oct. 1. For more details visit [http://www.asme.org/Membership/ReferMember/Renew\\_Early\\_Win\\_42\\_Plasma\\_TV.cfm](http://www.asme.org/Membership/ReferMember/Renew_Early_Win_42_Plasma_TV.cfm) or call ASME Infocentral at 1-800-843-2763.

## Advancing Your Career With ASME PPC

The ASME Professional Practice Curriculum (PPC) is an online resource designed to help you advance in the engineering profession by providing guidance and resources on subjects that complement an engineer's technical skills.

The PPC consists of 42 modules on topics ranging from product development and writing cost proposals to team building and negotiation. The PPC also provides information on alternative engineering career paths such as patent law, marketing and sales, and entrepreneurship.

To get started, please visit [www.professionalpractice.asme.org](http://www.professionalpractice.asme.org).

## Universities Need Your Valuable Perspective!

Applications are being accepted through **Oct. 15** for ASME/ABET Program Evaluators.

Program Evaluators contribute to the continuous improvement of Mechanical Engineering, Mechanical Engineering Technology, or related degree programs by evaluating them against a set of criteria related to faculty, facilities, curriculum, and other key program areas. In doing so, you will be helping to assure the quality of undergraduate degree programs and the students graduating from those programs. Serving on an assessment team for a degree program is very professionally and personally rewarding and a great way of supporting the future advancement of the engineering profession.

### Desired Qualifications:

- Demonstrate an interest in undergraduate education.
- Demonstrate desired competencies outlined in ABET's Competency Model
- Have at least one degree in mechanical engineering, mechanical engineering technology, or a closely related discipline. Graduate degree preferred.
- 10+ years of work experience. Management experience a plus.
- ASME member or willingness to become a member prior to applying to serve as an evaluator

To complete an application and for more information, please visit

[http://www.asme.org/Education/College/ABET/Become\\_Evaluator.cfm](http://www.asme.org/Education/College/ABET/Become_Evaluator.cfm)

ASME is committed to increasing the range of valuable perspectives that comes from having a diverse cadre of program evaluators. As such, we especially encourage minorities, women, and engineers working in industry or government to apply. Contact Amy Bentow, manager, Education, at [bentowa@asme.org](mailto:bentowa@asme.org) or 212-591-7880 with additional questions.

## Made a Difference in Engineering Education?

Do you know an individual or entity (e.g. company, organization, institution, etc.) that has contributed to engineering education in a significant way? If so, consider nominating them for one of the following society awards:

The **Frank von Flue Award**, established in 2002, recognizes significant contributions by an individual or a group to the promotion of lifelong learning for mechanical engineers. Lifelong learning is defined as the continued process of education and/or professional development, following a post-secondary education degree, to maintain the competence and flexibility of mechanical engineers throughout their career. Contributions may include assessment, development, distribution or promotion of materials for lifelong learning via appropriate mechanisms, such as professional development or university extension courses and programmed or self-paced learning.

The **Ben C. Sparks Medal**, established in 1990, is presented annually to a mechanical engineer for recognition of eminent service to mechanical engineering technology education through contributions toward ASME; towards higher education professional service; and towards the teaching and/or research faculty roles in mechanical engineering and mechanical engineering technology. Candidates must have a record of outstanding performance in all of three areas: a broad range of contributions to ASME; dedicated efforts and a record of achievements in the advancement of engineering education and engineering technology education; and contributions, over an extended period of time, to the positive support, recognition, or interaction of mechanical engineering technology and mechanical engineering programs, their faculties, or students.

The deadline for submitting nominations is Jan. 1, 2008. For more information and a nomination package, please visit: <http://www.asme.org/Governance/Honors/SocietyAwards/>

## Local Section News Continued...

### **Fall Professional Development Course**

- The Holston Section of ASME is currently planning a fall professional development course.
- Be on the look-out for further details and registration information in the coming weeks!
- Contact Jason Goodman at [jasongoodman@eastman.com](mailto:jasongoodman@eastman.com) with questions regarding the upcoming course.

### **2008 Egg Drop Leaders Needed!**

Planning for the Second Annual Holston Section Community Egg Drop is about to kick off. We want to build on the success of the first ever event that we held this past Spring, and we need you!

It takes a little bit of work from a whole lot of people to pull off the Community Egg Drop Event. Use this opportunity to build your leadership and management skills as you help coordinate the Holston's Section main community outreach event. You will meet a lot of great new people, help children appreciate the joy of engineering and science, and have a blast as all of your efforts culminate in one of the most fun events held at the Fort Henry Mall!

Please contact Mary Bailey at 423-229-8944 or [marybailey@eastman.com](mailto:marybailey@eastman.com) if you are interested in taking on a significant leadership role, serving in a supporting role on a subcommittee, or serving as a volunteer on the day of the egg drop.

### **Pictures from last year's Community Egg Drop Event!**

