

FEBRUARY PROGRAM

HVAC Retro Commissioning

Date: February 28th, 11:30 AM - 1:00 PM

Location: Giuseppe's Italian Restaurant

Speaker: Scott Gordon, general manager of HVAC, Inc Existing Building Services Division

Topic: Commercial buildings across the United States have a common problem: They seldom perform at design level. Optimum level provides the most comfortable and safe indoor environment for the occupants while balancing operation and maintenance costs for the owners.

Retro Commissioning (commissioning existing buildings) is a systematic process that helps solve this problem by allowing a building's HVAC system and integrated building controls to operate at peak performance. **Retro Commissioning (RCx) building systems can provide significant benefits such as improving occupant comfort, reducing energy cost, improving Indoor Air Quality (IAQ), enhancing building operations and extending equipment life.**

2008 Egg Drop Contest

Saturday, March 8

CALL FOR VOLUNTEERS

March 8, 2008 the Holston Section of ASME and other professional organizations and community partners are once again bringing to our community the world famous Egg Drop Contest. Designed to promote engineering and science in the Tri-Cities community, it's also an excellent opportunity to encourage students to consider math, science, and other technical fields/disciplines as career options.

The Egg Drop contest encourages local students to put their math and science skills to work in a fun and challenging way as they design protective cases for eggs, and then drop the eggs from 22 feet onto a target. Contestants earn points based on how many parts their cases comprise, how close to the target the egg lands (and, of course, whether the egg lands safely), and how much the case weighs. The top three winners in each of 5 categories will be receiving cash prizes.

Last year was a tremendous success with over 100 participants. Participants vary in age from child to adult and participants can participate as a single entrant or as a team.

The event will be held in the Fort Henry Mall in Kingsport, TN at 1PM on Saturday March 8th, 2008.

At this point we need several volunteers to help prepare for the event and during the day of the event. This will include gathering supplies before the event, registration and many other activities during the event. If you want to help with this incredible outreach please contact Todd Athon at tathon@eastman.com

For more info about the contest see <http://www.asme-eggdrop.org/>.

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ASME – ASME Auxiliary *FIRST* Clark Scholarship



THE ASME
FOUNDATION



Are you a *FIRST* Robotics volunteer? Did you know that The ASME Foundation and the ASME Auxiliary sponsor a scholarship specifically for HS seniors who are on a *FIRST* Robotics team? If yes, this information is for you!

About the Award

The purpose of the *FIRST* Clark Scholarship is to recognize and reward students whose *FIRST* experience has inspired the pursuit of an engineering career. In 2008, The ASME Foundation and the ASME Auxiliary will award ten (10) \$5,000 scholarships to high school seniors active on *FIRST* teams, who are nominated by ASME members, ASME Auxiliary members, or student members who are also active with *FIRST*. These awards will be for the freshman year of study (non-renewable) in an accredited Mechanical Engineering or Mechanical Engineering Technology program. The recipients will be announced at the *FIRST* National Championship.

Nomination and Student Eligibility

Members of ASME, including ASME Auxiliary members and student members, may nominate no more than one student each. Students must be:

- Graduating high school seniors active on *FIRST* teams
- Planning to enroll full-time in an ABET-accredited or substantially equivalent mechanical engineering or mechanical engineering technology program, no later than the fall after their senior year in high school.

APPLICATION DEADLINE: MARCH 15, 2008

For more information, on this or other ASME financial aid opportunities, visit our web site at:
http://www.asme.org/Education/College/FinancialAid/Auxiliary_FIRST_Clarke.cfm

ASME's IShow Sets Stage for Future Innovators



Celebrating outstanding technological accomplishments and the entrepreneurial spirit, ASME's Center for Engineering Entrepreneurship & Innovation held the inaugural Innovation Showcase - IShow - on Nov. 9 in conjunction with IMECE in Seattle, Wash. Supported by IBM, Boeing, Westinghouse, and Schlumberger, the IShow featured collegiate student teams who presented their innovations to a judging panel of successful entrepreneurs, IP specialists, and industry experts. Teams from Rensselaer Polytechnic Institute and University of Texas at Austin were honored with seed funds and industry recognition for the creativity and commercial feasibility of their invention. For further details on the 2007 IShow and plans for the 2008 competition, contact Patti Jo Snyder, snyderp@asme.org

Deadline Fast Approaching: Act Now! **Old Guard Early Career Engineer Essay Competition**

How has ASME helped you in your transition to engineering practice and in your development as a engineer? Share your story with engineering students and other early career engineers.

Complete details can be found at www.asme.org/Communities/EarlyCareer/Old_Guard_Early_Career.cfm. Submit before the **Feb. 1, 2008** deadline.

Early Career Grant Funding Available

Submit an application **today** to receive additional funding for your district held Early Career Technical Conference and/or Early Career Forum for your units or sectors. Complete details for both grants can be found at <http://www.asme.org/Communities/EarlyCareer/>.

The deadline for applications is **April 15, 2008**. Contact: Cheryl Hasan hasanc@asme.org for more information.

LTC 2008 - Moving to the Next Level of Excellence: Commitment to Purpose

“Moving to the Next Level of Excellence: Commitment to Purpose,” is the theme of the 2008 Leadership Training Conference (LTC), ASME’s Society-wide leadership event, which will be held at the Renaissance Concourse Hotel in Atlanta, GA March 6-8, 2008. Aimed at providing ASME unit leaders valuable knowledge and resources and a forum to focus on critical issues important to the success of the Society, LTC 08 will provide:

- Separate tracks for first-time and experienced unit leaders
- Opportunities to develop your leadership knowledge and skills (with a special workshop devoted to recruiting and retaining members)
- An overview of the Society’s organization, activities and resources
- Information and methods to help you succeed in leading an ASME unit and/or unit activity
- An opportunity to meet with other leaders and ASME staff , and
- An *Idea Mart* Exposition featuring information and representatives of various ASME units.

The weekend event will have plenty of time for networking, and include open forums and a selection of over a dozen workshops covering fundamentals, information on “how to” easily and effectively utilize ASME’s many staff and resources, and time for dialogue and practice.

Sections are encouraged to send a team of more than one delegate, to take maximum advantage of the many offerings and partnership opportunities. ASME will fund one delegate per section, and since ASME is qualified as a charitable organization, certain expenses incurred that are not reimbursed for approved volunteer activities may be deductible for United States income tax purposes. For more information, please refer to US IRS Publication 526: Charitable Contributions.

Further LTC information, registration and hotel information are available at <http://www.asmeconferences.org/ltc08/> . Please note: there is a citywide event in Atlanta during the LTC weekend, and **room availability will be at a premium**. Make your reservations early (cutoff date is Feb. 1).

See you in Atlanta!!

The ASME Volunteer Opportunities Bulletin Board

(VOBB) is a tool designed to help volunteer leaders promote local Section and Society-wide volunteer positions. It is also used to help link volunteers with opportunities for involvement in all areas of the society. Opportunities for involvement include standards development, pre-college outreach and educational activities, government relations, and the development of new products, programs and more.

Volunteer leaders are encouraged to use the VOBB as a recruitment tool. If your ASME group is looking for a few good volunteers to share their passion and make meaningful contributions, contact Deidra Hackley at hackleyd@asme.org or visit http://volunteer.asme.org/vobb/Post_Volunteer_Opportunity.cfm. For more information on posting or applying for a position on the VOBB visit <http://volunteer.asme.org/> or e-mail bookert@asme.org.

Leadership Training Conference 2008: Call for Early Career Delegates

Early Career Engineers interested in volunteering for the engineering profession will be selected as a Delegate to attend the 2008 Leadership Training Conference in Atlanta Ga., March 6-8, 2008. Visit www.asme.org/Communities/EarlyCareer/LeadershipTraining.cfm for complete details. Sign on by Jan. 19.

Accepting Nominations for the 2008 Old Guard Early Career Engineer Award

Recognize an outstanding early career engineer who is actively involved in the engineering profession, their communities, and the work of ASME. Submit Nominations Today! Visit <http://files.asme.org/asmeorg/Communities/EarlyCareer/8026.pdf> for more details. **Apply by the Feb. 1, 2008 deadline.**

ASME ACCEPTING APPLICATIONS FOR 2008-09 FEDERAL GOVERNMENT FELLOWSHIPS

ASME is currently accepting applications for the following Federal Government Fellowship positions:

Congressional Fellowships

ASME is accepting applications from qualified candidates interested in serving as a 2008-09 Congressional Fellow. The Federal Fellows program enables selected ASME members to spend one year in Washington, D.C. working with the staff of a congressional committee, U.S. senator or U.S. Representative. Federal Government Fellowships provide a valuable public service to the nation while providing engineers with a unique opportunity to participate directly in the policy making process. Congressional Fellows may serve from September 2008 through August 2009 - or January 2009 through December 2009 - at their option. The deadline to submit an application for the Congressional Fellowship is April 1, 2008.

Department of Commerce Fellowship

ASME is also accepting applications from qualified candidates interested in serving a year at the U.S. Department of Commerce in the Manufacturing and Services (MAS) Office of Standards Liaison (OSL). The Fellow will work with U.S. stakeholders involved in the standardization process, including individual companies, industry associations, standards developing organizations, and the American National Standards Institute on trade-related standards issues affecting U.S. competitiveness, innovation and growth. OSL works on issues involving all sectors and in all overseas markets, although there is a greater focus on emerging and technology-related sectors and critical markets such as Europe and China. Applicants for this position must have strong technical, interpersonal, organizational, and oral and written communication skills, as well as substantive knowledge or experience in an industry sector and the standardization process. The start date for the DOC fellowship is flexible.

A stipend of \$55,000 will be awarded to each Fellow for the year. All Fellowship applicants must be a U.S. citizen and an ASME member at the time of application. The following credentials are encouraged: At least five years of professional experience, an advanced engineering degree, professional engineer registration, and some public policy experience. An online application is available at <https://secure.asme.org/fedgovfellows/appform.cfm>

For additional information about the Federal Fellows program, visit http://www.asme.org/NewsPublicPolicy/GovRelations/Programs/Federal_Government.cfm or contact Kathryn Holmes, director, ASME Government Relations, at holmesk@asme.org or 202/785-7390.

Thinking about your career?

A new year has begun. Have you thinking about making some major career moves, like finding a new job, finding out what you are worth, raising your profile at work or networking with other engineers to expand your career opportunities? Let ASME help you energize your career this year with these member benefits.

- **Look for a job, build your resume or get advice at ASME's Online Career Center:** The only job board dedicated exclusively to Mechanical Engineers. www.asme.org/Jobs/
- **Find out what you're worth by taking the ASME Salary Survey:** Enter your information to get a basic level report on how your salary compares to others in your region, industry, field or experience level. Detailed reports available at special member pricing. https://asme.enetrix.com/pls/flexp/survey_frontend.homepage
- **Be a valued technical resource.** You can access the 75 volume ASME e-Library free 365 days a year 24/7. When a technical problem arises, the e-Library will be there for you. Sign up now at www.asme.org/Membership/Benefits/Professional/eLibrary.cfm

Visit the ASME Career Center and Professional benefits pages to access these and other career-related benefits.

Looking for more ways to get involved...

2008 Northeast Tennessee Science Bowl

VOLUTEERS NEEDED

ASME Holston Section, along with our corporate sponsor Eastman Chemical, is proud to facilitate the Second Annual Northeast Tennessee Science Bowl Competition.

Where: Eastman Chemical Company, Toy F. Reid Employee Center (Kingsport)

When: Monday, Feb. 18th, 9:00 AM until 2:00 PM

Who: Participants known at this time – Cherokee High School, Volunteer High School, Dobyms Bennett High School, Maryville High School, Oak Ridge High School.... Potential adds - Sullivan South High School, Gate City High School and Sullivan East

If you are interested in volunteering, contact Larry Bailey, ASME Science Bowl Coordinator: labailey@eastman.com

2008 Early Career Mechanical Engineer of the Year Award

The Early Career Mechanical Engineer of the Year Award recognizes excellence in technical ability and service to the ASME. The award is open to a mechanical engineer who is a member of the Holston Section within 10 years of receiving their bachelors' degree.

The deadline for all nominations is **February 8, 2008**. To submit nominations or for any questions, please contact Lawrence Carvagno, lcarvagno@eastman.com

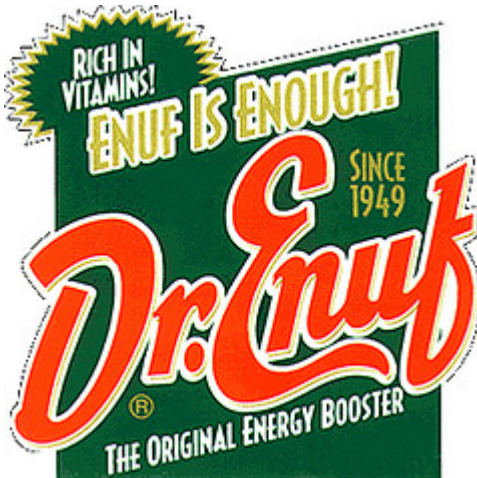
Win Lunch on ASME

Correctly answer the following ASME trivia question and you'll be entered to win a free lunch at the next meeting...

What was the membership fee when ASME was started?

Email your answers to Dick Burow, rburow@chartertn.net and if you're correct you'll be entered into a drawing for a free lunch at the next lunch meeting. (Hint: Use Holston Section website for help)

November tour of Tri-Cities Beverage Company Recap



Tri-Cities Beverage manufactures local favorite drinks like Dr. Enuf and Cheerwine, but we also discovered that they contract bottle many other drinks for other companies to decrease shipping cost by bottling closer to their markets. Mountain Dew was also first bottled by Tri-Cities before being purchased by Pepsi in 1964.

With 21 employees Tri-Cities Beverage bottles up to 400 glass bottles a minute or 50-60 plastic bottles. Pat Sturgil, sales manager, toured our group through the Johnson City, TN facility and showed us some of the unique features of their products and facility like mainly using sugar for their drinks instead of the high fructose corn syrup. The Dr. Enuf product was one of the first diet drinks to utilize Splenda as a sweetener, and is bottled in glass bottles to increase the shelf life. We were also introduced to issues they have had from manufacturing problems with the thinning of glass bottles to sales issues of competing with the giant soft drink companies for shelf space in convenience stores. This tour was interesting, informative, and was finished with a sample of their product.

-Todd Athon