

December Meeting

Topic: History of BAE Systems

Who: Jason Spears, BAE engineer

When: Thursday the 14th, 11:30-12:30

Where: Giuseppe's

RSVP: Jason Doran, jdoran@eastman.com
by Monday, December 11th

No PDH credits available at this meeting

2007 Young Mechanical Engineer of the Year Award

The Young Mechanical Engineer of the Year Award recognizes excellence in technical ability and service to the ASME. The award is open to a mechanical engineer under 35 years of age who is a member of the Holston Section.

The deadline for all nominations is February 2, 2007. To submit nominations, please contact Matthew Dickerson, mdickerson@eastman.com

November Meeting Recap

The November meeting was a tour of Eastman's Coal Handling Facilities held at Eastman Chemical's Kingsport site on November 28th. The tour was led by Steve Arthur, a Senior Technologist for Eastman's Utilities Power Coal Management Department.

The tour began with a discussion around the evolution of the coal distribution system at Eastman. Mr. Arthur described the shift from a series of rail lines serving each powerhouse; to the current system of a centralized dumping station with overhead conveyer lines. He also discussed the different styles of coal available and how their unique properties are leveraged for different purposes at Eastman.

Mr. Arthur then led the group to the dumping station to witness the off-loading of the coal. This impressive process involved de-coupling each car from the rest of the train and turning the entire car upside down. With each car taking only 3 to 4 minutes to de-couple and dump its coal, the train is off-loaded very quickly.

The tour then visited the control house for the dumping station. The operators discussed the process of distributing the coal from the off-loading area to the silos by way of a series of conveyor belts. They also pointed out a series of cameras that are used to monitor the coal on the conveyor belts and ensure that the material is moving smoothly.

Finally, Mr. Arthur concluded the tour by pointing out a bottom dumping back-up station used if the primary off-loading equipment fails.

This tour was a unique opportunity to witness a key piece of infrastructure that keeps Eastman running smoothly. Our thanks to Mr. Steve Arthur for his informative tour!

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2006 ASME STUDENT DESIGN CONTEST WINNERS



ASME congratulates all the participants in this year's design contest challenge - to design, construct and operate a prototype fishing rod that can accurately and repeatedly cast a simulated fishing lure. The fishing devices were designed to be operated orally by a quadriplegic using a "sip and puff" set of switches.

The winners of this year's design contest were: **First place - McGill University (Montreal, Canada)**, Second place - University of Nevada-Reno, and Third place - New Mexico State University. The finals competition was held in Chicago at the 2006 ASME International Mechanical Engineering Congress & Exposition. The event was sponsored by the Boeing Company and the ASME Student Design Competition Committee. For more details visit the Web site at <http://www.asme.org/Events/Contests/>



Take part in the first Forum bringing together policymakers, industry and academia to debate how theory and policy can be transformed into competitive solutions in the European engineering marketplace. Early Bird registration is now open – for full program details and to register visit www.asme.org/europeanforum

Applicants Needed: ECLIPSE

Applications for the Early Career Leadership Internship Program Serving Engineering are due by Dec. 1 for internships beginning at the 2007 Summer Annual Meeting. Women, non-traditional engineers and engineers in the workforce between three and 10 years are encouraged to apply.

For additional information and an application, go to http://www.asme.org/Governance/Volunteer/Early_Career_Leadership.cfm. ASME staff contact: Mary James Legatski, legatskim@asme.org

Call for Nominations: 2007 Old Guard Early Career Engineer Award

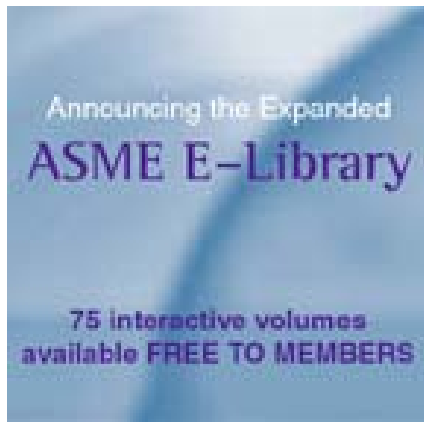
Recognize an outstanding early career engineer actively involved in their profession, their communities, and the work of the Society. Submit Nominations Today! Visit <http://files.asme.org/asmeorg/Communities/EarlyCareer/8026.pdf> for more details. The deadline for all nominations is March 1, 2007.

2007 Johnson & Johnson Consumer Companies, Inc. Medal



The Johnson & Johnson Award, first presented in 2005, recognizes outstanding contribution to the promotion of diversity and inclusiveness within the engineering community. This award is open to ASME members and individuals who are members of a recognized/engineering or professional society.

The deadline for all nominations is Feb. 1, 2007. For additional information and forms, visit http://www.asme.org/Governance/Honors/SocietyAwards/Johnson_Johnson_Consumer.cfm, or contact ASME staff contact: Mary James Legatski, legatskim@asme.org



Advancing Your Career

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 engineers 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.

Currently, the 5 modules in the Career Transition Series are free of charge. ASME members additionally have access to the following 4 modules through the [Members Only](#) website:

- Introduction to Intellectual Property (Business & Legal Series)
- Leadership Styles and Attributes (Management & Leadership Series)
- Effective Technical Presentations (Communications Series)
- Product Management (Product Management Series)

To get started, please visit www.professionalpractice.asme.org.



GMET - Meet the Challenges of Globalization

In order to help companies cope with issues resulting from globalization, ASME has developed a global training program: Global Management for Engineering and Technology (GMET), consisting of four courses developed by well-known subject matter experts.

To view GMET demo courses, visit: <http://gmetdelivery.asme.org/demo/>. For more about GMET, visit: http://www.asme.org/Education/Courses/GMET/Global_Management_Technology.cfm

More Local Section News

Need Mechanical Engineering Mentors

Here's an opportunity for mechanical engineers to get involved with local schools who have a real need for engineering guidance. Cheryl Harvey with Eastman Education Initiatives has received a request from Robinson Middle School Science Olympiads. They are looking for a few mechanical engineers to work with them as mentors to prepare for a hands-on science and engineering contest. If you are interested, please contact Cheryl Harvey right away for more information! Email csharvey@eastman.com or call 423-229-1457.

Matthew Dickerson has already volunteered to help with the "wheeled vehicle" challenge, and Brian Watson is working with the "tower building" competition. In all there are around 20 events, some still in need of mentors. The Science Olympiad teams meet Tuesdays and Thursdays 3:00-5:00 and Saturdays 8:00-12:00 at Robinson Middle School. Mentors are NOT required to be there for these entire sessions, but this is when the students will be working. Volunteers should plan to spend 2 hours per week, ending with the competition in mid-February.

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 year was a Section first organized in East Tennessee & who led the organizing effort?**"

Email your answers to Dick Burow by 12/14, rburow@chartertn.net and if you're correct you'll be entered into a drawing for a free lunch. (Hint: Use Holston Section website for help)

Volunteer Opportunity

ASME will be sponsoring a local Science Bowl Competition to be held in February 2007. The academic competition, focused on Science and Math, will involve local high schools fielding student teams consisting of 4 members. The winning teams will progress to a State competition to be held in Alcoa, Tennessee on February 24. Winners of the State competition will advance to the National Science Bowl. The local competition, providing \$600 in prize money, will mirror the format of the State competition, more details available at <http://www.orau.gov/sciencebowl/index.htm>. Our local ASME Chapter has agreed to purchase model hydrogen model car kits (valued at \$150 ea.) to the first 3 schools entering the local competition.

We need your help! ASME members, parents, teachers or others who are interested in supporting the event in the role of volunteer coaches or event coordinators are encouraged to contact Larry Bailey (224-0945 or labailey@eastman.com). Here's a great opportunity to share your knowledge and help our local schools compete for State and possibly National recognition in the area of Science and Math.

Holston Section Community Egg Drop Event

The Tri-Cities first ever egg drop event committee has been actively planning over the last couple of months. The event will be held at the Fort Henry Mall during Engineers Week on Saturday, February 24, 2007, starting at 1:00 PM. Several sponsors have already pledged close to \$3000 and 300 eggs to support the event. In addition to sponsors, the committee is working hard on t-shirt designs, registration forms, publicity brochures, school letters, advertisement posters, and TV/Radio station contacts for the event. A website is now up and running with information about the upcoming event. You can visit the website at www.asme-eggdrops.org. Volunteers are still needed to continue helping with the planning committee, and to help with the event itself. If you are interested in volunteering, contact Mary Bailey, ASME Egg Drop Committee Chairman. E-mail: marybailey@eastman.com, Phone: 967-5164.