

Chairman's Message

Dear Susquehanna Section Members,

Did you know that, although 20% of our Section's members have passed the fundamentals exam, at least 29% of our Section members are NOT registered? Join the 40 % who are registered.

Take the plunge into that important next step in your career. The PE Exam Review Course is taking applicants, even late applicants! Prepare for the April 2007 exam the fail-safe way. Classes start November 14. Go to our website to get the details.

I hope that everyone is enjoying the fall season and that many of you are able to attend our upcoming meetings – the tour of Antique Auto Club Museum at Hershey on Monday, November 13 and the Hershey Bears hockey game at the Giant Center, Hershey in December. Bring along your whole family to these events! Check out the details in the newsletter or by visiting our website at:

<http://sections.asme.org/Susquehanna/>

Thanks to Joe Olson and Scott O'Brian, who ran our fall kickoff meeting in October at the Appalachian Brewing Company in Harrisburg. Thanks to those who attended the tour and dinner. The brew-Master's tour was very interesting and the food and drinks were great, as always. If you have never visited the brewery for dinner and samples of their micro-brews, it is well worth the trip!

We are always interested in receiving ideas from members for possible future events and tours, so feel free to pass along any suggestions that you might have. This is an easy way for members to make a noticeable contribution to our Section and for those who don't have the time to become more actively involved.

If you would like to become more involved with our Section, or if you have any suggestions on how the Section can better serve its members, please contact me or one of our Executive Committee members, listed in our newsletter.

Chairman's Message Continued..

The Executive Committee is searching for help in the following areas:
Honors and Awards
Public Relations
Historian
Government relations
Minorities and Women

I hope to get to meet many of you at our upcoming meetings!
Until then, best wishes,
Mike Grandia, PE

Special Announcement

The Department of Physics and Engineering at Elizabethtown College has a one semester adjunct faculty appointment available to teach an introductory course in Strength of Materials for the Spring 2007 semester. The scope of this assignment will involve teaching the lecture portion of the course only. The catalog description of the course is:

Deformation and behavior of materials under load to the point of fracture with applications to the design of physical systems. Topics include: axial stress and strain; torsion; pressure vessels; stresses in beams; elastic curves and deflection of beams; combined stress; buckling of columns; an introduction to energy methods.

This is a great opportunity to make a difference in the lives of young engineering students. This is an elective course (Sophomore/Junior) for students pursuing a concentration in Mechanical Engineering. We can adjust the meeting time to fit your schedule (meets 150 minutes a week, for the 14 week semester Jan. 16 – May 4). If you are interested, please contact Kurt DeGoede, Chair of Physics and Engineering, Elizabethtown College, (717) 361-1380, degoedek@etown.edu.

ASME-ITI AIDS IN FIGHT AGAINST TERRORISM



The ASME Innovative Technologies Institute, LLC (ASME-ITI), has announced the commencement of a \$5 million contract with the U.S. Department of Homeland Security (DHS) for continued work using its risk analysis methodology known as RAMCAP (Risk Analysis and Management for Critical Asset Protection).

Created and developed by ASME-ITI and adopted by DHS, RAMCAP is a framework for analyzing and managing the risks associated with terrorist attacks against critical infrastructures. The purpose of RAMCAP is to provide essential information to government decision makers about consequences and vulnerabilities in the private sector, which owns 85 percent of the nation's critical infrastructure. RAMCAP is unique in that it facilitates the comparison of risks within a sector and across multiple sectors by employing a common terminology and standardized measurement metrics. The process is then tailored to specific aspects of various sectors of the critical infrastructure in documents called Sector-Specific Guidance documents (SSGs) that enable companies to identify and report on the vulnerabilities and potential consequences of terrorism by providing guidance on how to complete both preliminary and in-depth assessments. For more information about the ASME-ITI visit <http://www.asme-iti.org/about/us.cfm>

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

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

GMET - Meet the Challenges of Globalization

Globalization affects everyone, particularly engineers. 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.

GMET has received a positive global response since its launch in April this year. In China, ASME has signed up three top universities and one national training company to offer GMET training. ASME also signed two more agreements on GMET with Malaysia and Kuwait. GMET has also met with enthusiasm from universities and professional institutions in Hong Kong, Singapore, South Korea, India, and some parts of Europe. China Petrochemical Corporation (SINOPEC) has decided to provide GMET program to its engineers. Boeing and other American companies are also considering its adoption. 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

Student Activity Calendar

November 2006

Nov 5-10 International Mechanical Engineering Congress & Exposition (IMECE), Chicago, Ill.

Nov 28-30 Gas Turbine Users Symposium 2006

Diversity Action Grants Now Available!

Encourage your local ASME student section to apply for a Diversity Action Grant by the Nov. 1 deadline! This program enables ASME Student Sections to sponsor events which:

- Promote the inclusion of women and under-represented minorities in ASME Student Sections and in mechanical engineering,
- Inspire K-12 students to excel in science, technology, engineering and mathematics (STEM) education and/or,
- Assist minority - and/or women-owned businesses solve engineering design problems.

For more information, visit:

http://www.asme.org/Communities/Diversity/Diversity_Action_Grant.cfm or contact Mary James Legatski at legatskim@asme.org

Call for Nominations:

Committee On Ethical Standards

ASME is currently accepting nominations to fill a vacant position on the Committee on Ethical Standards and Review, for a four-year term, beginning in 2007.

The requirements include a minimum of ten years dedicated service to ASME including five years experience in activities beyond the local section, a commitment to upholding ethics in engineering practice, and licensure as a professional engineer. Forward nominations to David Soukup, managing director, Centers, at soukupd@asme.org

Make 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 facility 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.

Nominations deadline: January 1, 2007

For more information and a nomination package, visit <http://www.asme.org/Governance/Honors/SocietyAwards/>

NEW FACES OF ENGINEERING: Celebrate the Future of Mechanical Engineering

Call for Nominations: New Faces of Engineering 2007

Deadline: Nov. 17, 2006

The **New Faces of Engineering** strives to promote the accomplishments of young engineers by highlighting their engineering contributions and the resulting impact on society. The campaign is designed to enhance and improve the image of engineering by:

- Putting faces to what has often been referred to as the stealth profession;
- Displaying a group of young, diverse and talented engineers, thereby portraying engineering as an exciting profession open to everyone;
- Providing both stimulation and incentive for college engineering students to explore the variety of career options available to them with their engineering degrees as well as encouraging high school students to study engineering in college.
- Help engineering students understand they are part of a global profession.

Submit your nomination today by visiting: <http://files.asme.org/asmeorg/Events/10380.doc> or contact Marina Stenos, stenosm@asme.org.

ASME E-Library Expands to 75 Titles – Free to members!

In early Sept. 2006, ASME members gained access to 75 interactive, user-friendly references available on the newly expanded ASME e-Library powered by Knovel. To take advantage, members simply access ASME.org and log onto the members-only page. Members pay no charges for access.

Selecting from a large, diverse collection that includes *Mark's Standard Handbook for Mechanical Engineers*, *Handbook of Materials Selection*, *Mechanical Engineer's Reference Book*, *Structural and Stress Analysis*, *Pipeline Rules of Thumb*, *Mechanics of Materials*, and the *Manufacturing Engineer's Reference Book*, members enjoy additional benefits unavailable from printed references. Using embedded analysis software, they quickly locate data, analyze it, and export the results. For a complete listing of available titles, visit the e-library pages in Members only.

For the initial session on the expanded ASME e-Library, each individual can log onto the member-only page and register. For future sessions, the individual can simply log onto the members-only page and click on an icon, which opens the collection for use.

Programs for Early Career Engineers

Visit www.asme.org/communities/earlycareer, the online destination for Early Career Engineers (ECEs) with fewer than 10 years of professional practice. The Early Career Center provides information about events, career development opportunities and products specific to their need, as well as to a number of online career and job search resources.

Call for Nominations: 2007 Old Guard Early Career Engineer Award

Recognize outstanding early career engineers who are 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>

ME Today

If you are interested in contributing to the professional and career development of early career engineers, we invite you to submit articles for publication in ME Today.

<http://files.asme.org/asmeorg/NewsPublicPolicy/Newsletters/METoday/7563.pdf>