

IDAHO SECTION NEWSLETTER

December, 2007

WEBPAGE: <http://sections.asme.org/Idaho/>

IDAHO SECTION NEWS



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**Best wishes to all for a safe and happy
Holiday Season**



MERRY CHRISTMAS-----

We will not be hosting a Christmas party this year, due to a diminishing level of interest. However, if any members would like to resurrect the tradition for next year, please contact Stephen Reese to discuss it. In lieu of a Christmas party, we are planning to have an awards dinner of sorts in April. More information to follow..

and a



HAPPY NEW YEAR-----

In 2007 our Section supported engineering students and events:

- 1) Approximately \$300 to the ISU student section of ASME to purchase supplies and equipment for a water purification design contest they entered.
- 2) We also provided \$100 to the Eastern Idaho Engineering Council to support their Christmas social event.
- 3) And we contributed \$100 to the Idaho Society of Professional Engineers to support the Engineering Week banquet event.
- 4) Two students received scholarships from the Idaho Section of ASME to assist in their pursuit of an engineering degree. Congratulations to Ben Groen of BYU-Idaho and Dell Hammond of ISU. Each received \$1,000 to defray some of their school costs.

- For information on requirements and eligibility for this year's scholarship go to: <http://sections.asme.org/Idaho/scholarship.html>. The deadline to apply is April 14, 2008.

THANKS TO YOU FOR YOUR CONTINUED SUPPORT!~

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*Presented by the Idaho section of ASME
and NIA:*

Insulation, the Forgotten Technology for Energy Conservation

*In the Commercial, Industrial, HVAC & Mechanical
Segments of the Construction Industry*

Monday, February 4, 2008, 6:30 p.m.
Red Lion Westbank Hotel, 475 River Parkway, Idaho
Falls
Hors d' oeuvres served, speaker will begin at 7:00 p.m.

*The story of how mechanical insulation can
improve your business and benefit the economy and
the environment. There has never been a more
important time to think about insulation differently.*

See page 7 for more details.

LEGO League

Thank you to those that responded to the call for volunteers to help with the FIRST Lego League competition on Saturday, December 1. Eight members of the ASME Idaho section volunteered their time as judges and referees. A great time was had by all, and the event was a great success.

JOINT TECHNICAL PRESENTATION – 8 JAN 08

We will be jointly hosting a technical presentation with the Boise (Treasure Valley) section of ASME on January 8. The meeting will be held at University Place in Idaho Falls from 7:30 to 9:00. Refreshments will be served. The two sections will be connected via compressed video system. Information will follow in the coming weeks regarding the topic and speaker for the meeting.

PROFESSIONAL DEVELOPMENT

We are once again offering a professional development training course:

ASME Boiler & Pressure Vessel Code Section VIII, Division 1 Design and Fabrication of Pressure Vessels with Repairs and Alteration Consideration

**March 24 – 28, 2008
University Place, CHE-215
Idaho Falls, ID**

To register, and for additional information:
<http://www.acteva.com/booking.cfm?bevaid=147752>

**Member cost: \$2300
Non ASME member cost: \$2450**

The course is a combination of Section VIII, Division 1 - Design & Fabrication (PD442) and Inspection, Repairs, and Alternations of Pressure Vessels (PD441). The course is 5 days in length. Days 1 - 3 are dedicated to design and fabrication. Days 4 & 5 focus on repair and alteration of pressure vessels. Attend the entire class or just the half that is important to your work

Register prior to January 24 to receive the early registration discount (save \$250) and to ensure the course is held. We need a minimum of 10 registrants by January 24 to host the course

ASME MEMBERS SUBMIT QUESTIONS TO THE CNN-YOUTUBE PRESIDENTIAL DEBATE

At an ASME Government Relations sponsored booth at the Early Career Fair during the International Mechanical Engineering Congress and Exposition (IMECE) in Seattle, Washington, staff assisted ASME members with formulating questions for the CNN-YouTube Republican Presidential debate, which was held on Nov. 28.

ASME Past President Harry Armen and current ASME Board of Governor Marc Goldsmith were among several members who recorded videos during the Early Career Fair. Questions ranged from lawmakers' thoughts on increasing fuel efficiency standards, to maintaining American competitiveness and furthering innovation. This idea initially came to fruition after 2007 ASME WISE intern Chris Deal submitted a question regarding climate change for the debate this summer. The questions submitted will help foster a sustained dialogue on issues that are pertinent not only to our nation but to mechanical engineers and other engineering disciplines during the race to elect the next President of the United States.

To view these videos, please visit the ASME Government Relations web site at:
<http://www.asme.org/NewsPublicPolicy/GovRelations/>

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.

Thomas M. Barlow Becomes ASME's President-Elect



During proceeding of the 2007 Congress in Seattle, Thomas M. Barlow was announced as president-elect of ASME. Mr. Barlow will become the 127th president of ASME when he begins his one-year term in June 2008.

A longtime member of ASME, Mr. Barlow has participated on numerous technical, regional and Society-wide committees and boards and has demonstrated a strong record of support and leadership in student outreach, membership development, technology and engineering diversity. He is a Fellow of ASME and former member of the ASME Board of Governors, serving from 2003 to 2006. Mr. Barlow enjoyed a 40-year career at Lawrence Livermore National Laboratory, serving in a number of management and leadership positions before retiring in 2000. His professional interests include instrumentation, energy storage systems and machine tool technology, as well as project and program management. Mr. Barlow has been a member of the Society of Manufacturing Engineers, American Society for Engineering Management, and has served on the Engineering and Computer Science Research Advisory Council at the California State University at Fresno. He is currently a member of the External Advisory Board of the Mechanical and Materials Engineering Department at Washington State University, a member of the Tau Beta Pi, Sigma Tau and Phi Eta Sigma honor societies, and is the recipient of the ASME Dedicated Service Award and the Society's Membership Development Award. Mr. Barlow attended Washington State University and received a B.S. degree in mechanical engineering. He received his M.B.A. degree from Golden Gate University.

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.

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/Leadership_Training.cfm for complete details.

The Engineering Income & Salary Survey

For the first time, ASME will be offering a comprehensive online salary survey, updated daily, as a new feature of our career center. The survey will cover all compensation, including bonuses and benefits. It is administered by enetrix, in Madison, Wis. and is produced in partnership with ASME, the American Society of Civil Engineers (ASCE), and the National Society of Professional Engineers (NSPE).

In order to get more data to launch this new benefit for mechanical engineers, we are asking you to participate by taking the survey. As a thank you for participating, you can download a brief complimentary salary report from the survey right away. And you may check back for free updates on that report as we get more data from other members.

Members will also receive special discounts on more detailed live custom reports when those are available. Custom reports are searchable by length of experience, level of education and professional responsibility, major branch of engineering, industry, zip and more. For more information and to take the survey, please go to https://asme.enetrix.com/pls/flexp/survey_frontend.homepage.

SUMMER OPPORTUNITIES IN WASHINGTON, D.C. FOR FACULTY, STUDENTS



Washington Internships for Students of Engineering

An outstanding individual capable of teaching and mentoring engineering students on the interaction between engineering, technology, and public policy is sought to serve as the Faculty Member-in-Residence (FMR) for the 2008 Washington Internships for Students of Engineering (WISE) Program.

And where would the FMR be without students? The WISE program offers a unique opportunity to 3rd and 4th year engineering students to spend nine weeks during the summer of 2008 in Washington, D.C. Recent graduates, who are beginning their studies in an engineering policy-related Master's program, will also be considered. During their time in Washington, WISE interns will learn how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory public policy decisions.

The deadline for 2008 ASME WISE intern applications is **Dec. 31, 2007**, while the FMR applications will be accepted until **March 1, 2008**. The ASME WISE intern will receive a stipend and housing for the summer, while the FMR receives an ample stipend.

For more information on either of these opportunities, please visit the WISE Program web site at: <http://www.wise-intern.org/application/index.html>, or you may contact Melissa Carl, ASME Government Relations Representative, at carlm@asme.org.

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.

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.**

Early Career Engineer Essay Competition

The Old Guard Committee of ASME invites you to participate in an Early Career Engineer Essay Competition. For more information, visit:

http://www.asme.org/Communities/EarlyCareer/Old_Guard_Early_Career.cfm

**If you operate gas turbines
this is a very valuable
forum! (ed)**

ASME IGTI to hold 2007 Gas Turbine Users Symposium in New Orleans

The International Gas Turbine Institute of ASME will conduct the 2007 GTUS, Dec. 11-13, at the Ernest N. Morial Convention Center in New Orleans. The symposium provides a forum for end-users to exchange ideas and share best practices regarding the operation and maintenance of industrial gas turbines and aero-engines. GTUS will co-locate with the 2007 Power-Gen International conference at the Ernest N. Morial Convention Center. GTUS registrants will receive access to all sessions in the 3-day symposium, as well as admission to Power-Gen and a complimentary copy of the conference proceedings on compact disk. GTUS will deliver practical information and provide an opportunity for engineers and other technical professionals to learn about solutions to problems shared in the global gas turbine industry. For more information or to register visit the web site at <http://www.asmeconferences.org/gtus07/>



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 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.

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/>

NEWSLETTER EDITOR'S COMMENT: THE ENERGY OPPORTUNITY

Whether for reasons of 'maintaining our lifestyle and prosperity', 'national security', 'peak oil', or 'global warming', the coming decades provide great opportunities for mechanical engineers. However, most high school students don't know what engineers do or of the array of professional opportunities an engineering degree can lead to.

Having spent my career in energy related industry, I know that this is an exciting and wonderful time for new engineering students. We, as experienced engineers, are in the best position to encourage our young friends and family members to pursue careers in engineering and sciences. The need has never been greater and the opportunities are abundant for young engineers.

So I ask you to remember this during the Holiday Season and pass on your enthusiasm to those who might benefit from your guidance. You will do them and us a great favor.

Have a wonderful Holiday Season and best wishes for a Healthy and Happy 2008!

Dave Blauser

Insulation, the Forgotten Technology for Energy Conservation

In the Commercial, Industrial, HVAC & Mechanical Segments of the Construction Industry

Monday, February 4, 2008, 6:30 p.m.
Red Lion Westbank Hotel, 475 River Parkway, Idaho Falls
Hors d' oeuvres served, speaker will begin at 7:00 p.m.

The story of how mechanical insulation can improve your business and benefit the economy and the environment.

Can insulation reduce energy consumption and greenhouse gas emissions; provide additional carbon credits; be part an integral part of your safety program; improve the environment in which you work, increase productivity; eliminate or at minimum reduce corrosion under insulation, control condensation and mold growth and provide an unrivaled return on your investment? Usually what sounds too good to be true, isn't. That's not true here. You have to see it to believe it.

Did you know that insulation is applied but rarely engineered? Did you know that it is estimated that between 10% & 30% of all installed mechanical insulation is damaged or missing? This presentation provides evidence as to the "Power of Insulation" in the new construction, expansion and maintenance arenas when designed, installed and maintained properly, including a snap short of some innovative initiatives and materials in the mechanical insulation industry. It also provides educational tools to assist you in your selection and evaluation of this forgotten technology, simply known as insulation.

There has never been a more important time to think about insulation differently.

The Presentation will provide interactive discussion on a variety of subjects such as

- **Energy Conservation**
- **Process Control**
- **Condensation Control and Mold Prevention**
- **Moisture Intrusion and Corrosion Under Insulation (CUI)**
- **Reduction of Greenhouse Gas Emissions**
- **Safe Work Environment**
- **Work Place Environment – Improvements**
- **Sustainable Design Technology**
- **Life Safety**
- **Return on Investment Opportunities**
- **Innovative products and industry initiatives**

Attendees will receive:

- **A comprehensive Energy Management Software Program**
- **A list of available resources**
- **A subscription to the insulation industry premier publication, "Outlook"**
- **Professional Development Hours (PDH's) or Continuing Education Units (CEU's) may be available with the presentation from the hosting organization**

Ron King

His 40 year tenure in the industry has provided him insight and practical knowledge in the fragmented insulation and construction industry. He recently retired as the Chairman, President and CEO of one of the nation's largest diverse insulation and specialty distributors. He is a past President of the National Insulation Association (NIA), the Southwest Insulation Contractors Association and the World Insulation and Acoustic Organization. He has been honored with "President's Award" on three different occasions from two associations. He currently is a consultant to NIA. His experiences allow him to employ an interactive and humor laced approach in his presentations.

National Insulation Association (NIA)

NIA is a fifty year old trade organization whose members specialize in contracting, distribution – fabrication and manufacturing of mechanical insulation for industrial, mechanical and building applications, refractory applications, environmental remediation and other related services.