

American Society of Mechanical Engineers

Central Oklahoma Section Newsletter

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Nov/Dec ASME COS Announcement

There will be no program for the months of November or December.
Please join us back in January for our annual joint meeting with AIAA.

UNIT DUES PROJECT TEAM RELEASES RECOMMENDATIONS TO K&C BOARD OF DIRECTORS

A Unit Dues Project Team was created earlier this year and asked to look into unit dues within ASME. This effort was driven by this year's reduction and planned elimination of future Unit allocations from dues collected at the national level. The tasks asked of the team were to review the current policies, constitution, and by-laws of ASME that define the current dues process and identify what would be required to change it; determine the distribution and use of current Society dues as a point of departure; investigate current practices of other Professional Societies with respect to dues for specific functions within the society; and develop a recommendation for the ASME Knowledge and Community Sector Board of Directors with respect to implementation of such a practice.

Moreover, if additional dues, either voluntary or mandatory, are recommended for Section or Division activities, the committee should provide a general plan for collecting the dues, recommend the appropriate amount of additional dues, and explain the consequences of payment/non-payment of such dues.

The team reports financial support for Units is needed and it is imperative that a source of funds be made available / provided to Units of ASME. This is imperative to high performing Units that have substantial programs and activities that provide added value to members, resulting in membership retention and a willingness by members to pay dues.

The findings discovered a benchmarking sample: 9 of 15 other Technical and/or Professional Societies do have some form of optional "local Section" or "Technical Division" dues and all 15 have means of providing financial support for Units. **(Continued on Page 4)**

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ASME ELECTS PRESIDENT

ORLANDO, Fla., Nov. 8, 2005 - Terry E. Shoup, Ph.D., a professor of mechanical engineering at Santa Clara University, has been named president of ASME for a one-year term beginning in June 2006. The announcement was made during the proceedings of the 2005 ASME International Mechanical Engineering Congress, Nov. 5-11, in Orlando, Fla.

Dr. Shoup has more than 35 years of experience in engineering education. He began his academic career in 1969, when he joined the faculty of Rutgers University as an assistant professor. After leaving Rutgers in 1976, Dr. Shoup moved on to teaching and high-level administrative posts at the University of Houston, Texas A&M University, and Florida Atlantic University, before joining Santa Clara University in Santa Clara, Calif., in 1989.

He also has worked as a design engineer and consultant to industry, education, and government. Dr. Shoup is a co-author of *Design of Machine Elements*, which Prentice-Hall printed in the eighth edition in 2004.

Dr. Shoup is a Fellow of ASME and former member of the Society's Board of Governors. During his 36 years of service in ASME, Dr. Shoup has been involved in a number of K-12 activities and also supported programs aimed at young engineers.

His many honors and awards include the ASME Centennial Medal (1980) and ASME Gustus Larson Award (1981) and the Dedicated Service Award (1988) presented by the Society's Council on Education. Shoup is also the recipient of the Outstanding Alumnus Award from Ohio State University (1998).

Dr. Shoup attended Ohio State University from 1962 through 1969, where he earned his bachelor's, masters and Ph.D. in mechanical engineering.

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The Old Guard Committee of ASME is accepting nominations for the Young Engineers Award. ASME members that have made great strides in the engineering profession, their community and the work of the society and have continuous membership since becoming an ASME student member and earned a baccalaureate degree in Mechanical Engineering between the years March 1, 2000 - March 1, 2002 are eligible to apply.

The Grand Prize is \$5000 including a prepaid life ASME membership. Learn more about the selection criteria and how to nominate.

Visit <http://www.asme.org/cma/og/youngengineer.html>

Taking Advantage:

Host Affordable Short Courses

In recent months, ASME Continuing Education Institute has worked closely with Sections to provide expert training to local professionals. ASME CEI works closely with the requisite instructors to insure the needs of the Section are met. ASME CEI can market the course on its website and administer the registration process. CEI provides the instructor comprehensive course materials and as an Authorized Provider of CEUs, can process and track the certification engineers require to retain their state licenses.

Here is all you have to do:

- Conduct Local Marketing
- Secure Course Venue
- Provide Hotel Accommodations for Instructor
- Copying & Distributing Course Materials
- On-site Registration

With the responsibilities shared, ASME CEI and the Section will split the generated revenue once all expenses are paid. The resulting net profit will be divided evenly, insuring both parties' costs are covered and benefits realized.

This relationship provides Sections the opportunity to host affordable, high-quality courses presented by industry experts in their own backyard. If you would like to find out more on how to bring a short course to your section, contact Jackie Oppenheimer at 212-591-7526 or via e-mail at oppenheimerj@asme.org

Early Career Engineer Essay Competition

The Old Guard Committee of ASME is accepting entries for the Early Career Engineer Essay Competition. ASME members who have between 4-10 years work experience in professional practice since graduation may apply. For complete details log-on to the competition webpage at <http://www.asme.org/youngengineers/essaycompetition.html>

Communities of Practice

ASME has a new tool to help you get the technical answers you need and meet others with similar interests and concerns --

the Communities of Practice site.

On the CoP site, you can join a community, participate in discussions and polls, search for a community member, suggest a new community, or post your own message or request to be notified when new messages are posted on the community. Its your choice what communities you participate in, and how you choose to participate. To join the discussion now, go to www.cop.asme.org

Chair's Corner

Dear ASME-Central Oklahoma Section Members:

With no program planned until January 2006, the committee thought it was important to publish a newsletter to keep in touch and let you know of ongoing and upcoming events within the Section and at National levels.

Before moving on, though, I would be remiss if I didn't express our appreciation to **Dr. David Miller** of **The University of Oklahoma** for his outstanding presentation at last month's Section Meeting. Professor Miller's topic, **The Sooner Lunar Schooner**, was an eye opener for most of us; describing the past and present planning, financing, and development of two robotic lunar probes. Besides the interesting tales of its inception, it serves as an excellent example of how a once fully funded program can not only be salvaged within academic confines; but can be further utilized as an engaging and valuable engineering design project for University students. One of its key features is to give engineering students a solid base in experiencing the interdisciplinary cooperation which often occurs in large, long-term projects.

On a related note, we would like to let all members know of a Pre-Engineering Education program being offered to high school junior & senior students at Oklahoma Technology Centers. **Mr. Art Waldenville** of Moore Norman Technology Center asked those attending October's meeting to consider volunteering as mentors for students in this program. Those interested in doing so can get more information on this program by contacting Art at awaldenville@mntechnology.com.

Our next event will be a Joint AIAA/ASME meeting on the 26th of January. The Oklahoma AIAA Section will be providing the speaker for this program. Although an official announcement is usually not made until January's newsletter, we'll try to update you on our website's calendar, as we get more details from AIAA.

Other events to keep in mind at the beginning of next year are the Engineering Fair and Joint Engineering Societies Banquet. Many of the contests being held around Engineering Week in February need help from local members of organizations like ASME. Please consider volunteering for one or more of these events, even if just for one day as a judge for Future City, a proctor for MathCounts, or helping out at the ASME sponsored Rubber Band Powered Vehicle Contest. Besides providing a valuable service by helping promote the engineering profession to school age kids, you'll have fun seeing how creative many of these students can be. More information on these programs can be found at the Oklahoma Engineering Foundation website, at <http://www.ospe.org/main.asp?org=2> or by contacting the OEF/OSPE office at 405-528-1435 or 1-800-337-OSPE (6773).

Lastly, on behalf of the Executive Committee I would like to wish you all a safe and happy Thanksgiving and Christmas Holiday. I hope to see you at our next gathering in the New Year.

Frank Parker -- Chair

JOINT MEMBERSHIPS

ASME members can get discounted memberships to other engineering societies, including NSBE, SEM, AICHe. and HKIE. Special discounts are also available on student memberships to these organizations. Visit www.asme.org for more information.

ELDON BOES SERVING AS AN ASME CONGRESSIONAL FELLOW IN THE U.S. SENATE

NEW YORK, Nov. 14, 2005 - Eldon Boes, Ph.D., is currently serving as an ASME Congressional Fellow in the office of U.S. Sen. Gordon Smith (R-OR).

As a congressional fellow of ASME (American Society of Mechanical Engineers), Boes will provide technical input and advice on policy issues that come before Sen. Smith. Boes has worked at the National Renewable Energy Laboratory (NREL) since 1991. He served most recently as the Director of the NREL's Energy Analysis Program, which focuses on improving the understanding of present and future energy technologies and systems, including their economic, environmental, and energy security impacts in different market and policy contexts.

Boes received his Ph.D. in mathematics in 1969 from Purdue University. He taught mathematics for six years at New Mexico State University before joining Sandia National Laboratories, in 1974. Boes began his career at Sandia in renewable energy working on solar resource assessment. During the next 16 years at Sandia, he worked in several solar technology program areas including photovoltaics (PV) systems and applications development, PV concentrator R&D, and solar thermal collector development. He also served as supervisor or manager of several solar programs including the PV Program at Sandia.

"I am extremely pleased to have the opportunity to serve as an ASME Congressional Fellow," said Boes. "I have always considered Congress to be an intense, exciting environment, and I really look forward to helping to inform national policy formulation with my energy and technology background, as well as to contribute to Sen. Smith's broader agenda for Oregon and the nation."

"We are very excited to have Dr. Boes serve as an ASME Congressional Fellow," said Susan Ipri Brown, chair of the Federal Fellow Subcommittee of ASME's Board on Government Relations. "Dr. Boes brings a strong background in both academia and the national labs to this position. He is a demonstrated leader and advisor. We are excited to have him serve."

ASME was the first engineering society to establish a congressional fellowship program. Since 1973, ASME has sponsored the congressional fellowship to provide an opportunity for Society members to work with the U.S. Congress. As federal legislation becomes increasingly technical, the need for engineering expertise is essential.

ASME is currently seeking applications from individuals interested in serving as a Federal Fellow with the Office of Science and Technology Policy and the U.S. Department of Homeland Security. For additional information, contact Kathryn Holmes at holmesk@asme.org or visit <http://www.asme.org/gric/Fellows/fellowshome.html>

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ASME HONORS ENGINEERS FOR OUTSTANDING TECHNICAL ACHIEVEMENT

ORLANDO, Fla., Nov. 9, 2005 - Ten individuals selected for outstanding technical achievement and service to the engineering profession, including the president and chief executive officer of Ford Motor Company and former White House chief of staff, were honored in a special event held in conjunction with the 2005 ASME International Mechanical Engineering Congress and Exposition in Orlando, Fla, Nov. 5-11.

The annual ASME Honors Assembly was held at the Walt Disney World Dolphin Hotel, Nov 8, to pay tribute to top engineers and scientists who have contributed to advancing the engineering profession through research, corporate and academic leadership, advocacy, and dedicated service to the goals and programs of ASME.

James J. Padilla, president and CEO of Ford Motor Company in Dearborn, Mich., received the 2005 M. Eugene Merchant Manufacturing Medal for his role in improving manufacturing efficiency. At Ford, Padilla was instrumental in implementing lean manufacturing throughout the automotive company's assembly operations and also played a major role in creating the world's most environmentally sustainable auto plant.

The Honorable John H. Sununu, former governor of New Hampshire, who served as White House chief of staff under

President George H.W. Bush from 1989 to 1991, was awarded Honorary Membership in ASME for his sustained efforts in promoting the role of engineers in public policy decision-making. Sununu, who graduated from Massachusetts Institute of Technology with a Ph.D. in mechanical engineering, also has been a strong proponent of engineering education.

The other recipients of Honorary Membership for 2005 are Sia Nemat-Nasser, who has published more than 430 papers and articles on applied mechanics and other subjects, and Charles O. Velzy, past-president of ASME (1989-1990) and expert and leading authority in waste management, particularly the control of emissions from waste-to-energy facilities.

The ASME Medal was presented to Robert E. Uhrig, who has made significant contributions to the power field while holding high-level positions at Oak Ridge National Laboratory, University of Tennessee, U.S. Department of Defense, and Florida Power & Light Company, among other organizations.

Robert H. Liebeck, a leader in the field of aeronautics who currently manages the blended-wing body subsonic program at the Boeing Company, received the 2005 Spirit of St. Louis Medal. James D. Walker of Southwest Research Institute, who has developed computational models for analyzing the impact of various projectiles on surfaces, was awarded the 2005 ASME Holley Medal.

Kathleen M. Bader was the recipient of the 2005 Henry Laurence Gantt Medal for leadership in corporate management. A former member of the executive management team at Dow Chemical Company, Bader is the president and chief executive officer of NatureWorks LLC, which develops and markets a family of environmentally friendly polymers used in packaging.

James H. Turner, a leading advocate for technical codes and standards, and Joseph Bordogna, a professor of engineering at the University of Pennsylvania and active supporter of workplace diversity, were the recipients of, respectively, the 2005 Melvin R. Green Codes and Standards Medal and 2005 ASME Johnson & Johnson Consumer Companies, Inc. Medal.

The [ASME Honors and Awards Program](#) is funded through the [ASME Foundation](#) by individual award and endowment funds.

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John Varrasi / ASME

Unit Dues Project Team Recommendations (Continued from Page 1)

The dozens of options considered and discussed by the team along with multiple variations may be categorized as follows:

- Option 1: Institute Optional Unit Dues
- Option 2: Institute Mandatory Unit Dues
- Option 3: Member-directed use of dues to support Units
- Option 4: Provide funds from dues for an objective, merit-based Unit funding program.

Option 4 is strongly preferred by team members and by local Unit leadership contacted by the team, while Options 1 and 2 yielded mixed results: weak support, combined with strong feelings against these options. Today, Section and Division membership are 'included' with payment of Dues and implementation of local Unit Dues would erode the real and perceived benefits of ASME membership. Option 3 had less support than option 4 among those contacted.

It is recommended by the project team that K&C implement a *new program*, to provide merit-based funding for all Units of ASME, Option 4. The funding / financial support is to be awarded to Units that are providing programs, activities, and other initiatives in support of their members. Funds required for this new program will be obtained from current dues and separate Unit Dues are not to be adopted for ASME. These financial awards are to be based on Unit performance criteria yet to be established.

The ASME Unit Dues Project Team Recommendations Final Report was presented to the K & C BOD on Oct 19, 2005. The K & C BOD accepted these recommendations & requested that another project team be established to execute the Unit Dues Project Team's recommendations.

FOR UPDATES ON THESE AND OTHER EVENTS, VISIT OUR SECTION WEB SITE AT

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