

October Lunch Meeting

ASME's October luncheon meeting was held October 20th at Amato's Italian Restaurant. Mr. Patrick Jennings, ASME member and Product Design Engineer - TRW Steering Systems provided an excellent presentation of the major types of steering designs (present and future). The presentation provided detailed explanations and comparisons for various systems produced not only by TRW, but also systems provided by other manufacturers. The PowerPoint slide show and actual hand-on samples of finished products added to the understanding of design strategies, safety considerations, materials of construction and performance measurement systems used.

A professional development hour certificate was available for attendees.

September Meeting Tour

On Thursday, September 22, a group of eleven ASME members and Northeast State students meet to tour East Tennessee Natural Gas LNP facility in Gray, Tennessee. Our tour guide was Reggie Lett who has been with the company for over 30 years.

This facility is unique in that there are only 22 other LNP facilities like this in the United States. The pumping facilities were toured first and consisted of two (2) 1950 vintage positive displacement type compressors driven by ~1000 hp engines. These compressors are extremely efficient and reliable but require an extensive amount of maintenance. The trend is to replace or install turbine driven centrifugal machines due to their reliability, ease of operation, and decreased maintenance.

The LNP tank was toured next and is ~150 ft tall and ~125 ft in diameter with an insulation layer. The tank serves as a "capacitor", accumulating liquid natural gas in the summer for use during the higher energy demand months of winter. It stores ~14.6 million gallons of liquid natural gas which is equivalent to more than 1 billion cubic ft. The gas is stored at -260 °F. The ground underneath the tank is heated to keep it from freezing. Heat is transmitted through the bottom of the tank and increases the temperature of the LNG. The heated LNG rises to the top of the tank and the LNG within the tanks rolls over. Leak off rate is one of the most important process parameters that must be monitored. This ensures them that the tank is getting adequate roll over and that warm LNG at the bottom is not being trapped on the bottom by a thermocline. If a thermocline were to develop, the LNG on the bottom of the tank would keep increasing in temperature. When the large volume of warm LNG finally rolls over the cool LNG at the surface, it would boil off. If the pressure generated is not relieved fast enough, it could cause the tank to rupture.

When demand on the pipeline is low this facility condenses natural gas from the pipeline to be stored as a liquid. When demand on the supply pipeline is high this facility vaporizes the liquid gas and reintroduces it back into the pipeline.

INSIDE THIS ISSUE

- 1 **September Meeting/October Meeting**
- 2 **The Knowledge & Community Sector**
- 2 **Young Engineers Award**
- 3 **New Districts Formed to Serve Membership**
- 4 **Host Affordable Short Courses**
- 5 **2005 ASME Honors Assembly**

ASME Connections Now On ASME.ORG

As ASME moves to the implementation phase of its reorganization, it has become essential to provide membership with a centralized site for accessing up-to-date information.

ASME Connections (www.asme.org/asmconnections) provides easy access to the new structure and strategies of ASME.

At ASME Connections People, meet the faces behind some of the successes so far; converse with other members at ASME's growing Communities of Practice web forum; and learn about the new programs that are being developed by the Society at the New Initiatives link. You may also access a number of news outlets such as ASME News Online, Inter-Comm, the quarterly news publication, and the ASME Press Room.

ASME Connections will be updated regularly. For additional information, contact Mel Torre, director, Communications at torrem@asme.org or 212 591 8157.

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>

One Stop for ASME Member Support

Now that ASME has moved on from Continuity & Change to the Implementation phase, one of the obvious changes will be in how we support our members. Now that our field offices have been closed, member support has been consolidated in the ASME Information Central. Should you need to contact ASME with questions regarding your membership, you'll only to call one phone number, or send one email.

Phone: 800-843-2763

Phone: 001-800-843-2763 (Mexico)

Phone: 973-882-1170 (Outside North America)

Fax: 973-882-1717

Email: infocentral@asme.org

For a full list of contact information, please go to:
<http://regions.asme.org/closures>

Knowledge and Community

The **Knowledge and Community (K & C) Sector** is one of the four sectors making up the Engineering and Technology Enterprises. The sector is designed to deliver value to members and customers through member unit programs and activities.

K & C is made up of more than 800 of these member units that originally existed under the Council on Engineering and the Council on Member Affairs.

The member units include:

- Technical Divisions
- Sections
- Student Sections
- Self-forming Groups and Communities of Practice

The K & C Board of Directors is working now to have in place a support structure that will enable unit volunteer leaders to continue to provide high quality programs aimed at the acquisition and dissemination of technical knowledge, providing opportunities for engineering practitioners to connect and to exchange ideas, and to promote the advancement and professional development of our members and customers.

The K & C Board of Directors are:

Wade Troxell	Senior Vice-President
Larry Dickinson	VP, Programs & Activities
Karen Moore	VP, Technical Communities
Richard Jacobsen	VP, Financial Operations
S. Dyer Harris	VP, Affinity Communities
Doug Brown	VP, Global Communities
Hank Cook	Chair, Representation & Governance
Terri Taylor	Chair, Information & Communication
Dan Segalman	VP, Technical Communities (Nominee)
John Wesner	VP, Programs and Activities (Nominee)
Burt Dicht	Managing Director (staff)

Young Engineers Award

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>

ASME Forms Districts To Serve Membership

ASME's Knowledge & Community (K & C) Sector Interim Global Communities Operating Board has announced the formation of a new structure consisting of ten districts. The new district alignment replaces the previous structure of the Council on Member Affairs' 13 regions.

The North American districts were formed with the combination of two former regions, with the exception of the Mid-Atlantic Region, which was subdivided to serve three districts. The International Region, which combined all continents outside of North America, is now sub-divided into four districts.

Each of the districts is assigned a district leader who is a former regional vice president or sub-regional chair (as is the case for each of the four districts outside North America). Doug Brown, former Vice President of the International Southwest Region X will now serve as the vice president of Global Communities. The districts will be represented by the Global Communities Operating Board (GCOB), which is made up of the Vice President and the ten district leaders.

Support for the districts has also undergone some changes. Brown will work with other volunteer leaders within the K & C Board of Directors and staff members from the K & C department to ensure that resources and services are provided to the Global Communities under the new structure. Senior Vice President Wade Troxell leads the K & C Sector and Burt Dicht is the Managing Director.

Direct staff support will come from the K & C department and the Unit Support department of the Services sector. Since July 29, ASME's five regional field offices have been closed and three directors have migrated to the new position of director, Client Relations. These individuals will be responsible for relationship management with industry and government and are also expected to assist various units of K&C on special projects and programs.

The district leaders are now in the process of forming their operating boards and more detail on this new structure will be communicated shortly.

Below are the current districts, their leaders and end of term:

Current	Former	Leader
District A	Regions I & II, plus part of III	Karen Ohland (FY08)
District B	Region V, plus part of III	Leonard Anderson (FY07)
District C	Region VI & VII	Kambiz Farhang (FY08)
District D	Region VIII & IX	Lynden Davis (FY06)
District E	Region X & XII	Brett North (FY08)
District F	Region IV & XI, plus part of III	Lee Crawford (FY06)
District G	Region XIII	Vic Ilic (FY06)
District H	Region XIII	Nilufer Egrican (FY06)
District I	Region XIII	Carlos Lasarte (FY07)
District J	Region XIII	Hasan Sabri (FY07)

For more information on the updates to the current structure, visit the Knowledge & Community Sector at <http://www.asme.org/governance/knowledgecommunity>. You may also visit <http://www.regions.asme.org/closures/> for assistance regarding specific inquiries.

ASME News Is Now Online!

ASME News is now available to membership exclusively online at <http://www.asmenews.org>. When a new issue of ASME News is posted, a special announcement will appear on the ASME homepage and on Mechanical Engineering magazine online's *only on M.E. Magazine box* (located in the table of contents page of the magazine).

Student Activity Calendar

November

Nov 1 Preliminary Report Due: [Ingersoll-Rand Contest](#)

Nov 1 Application Deadline: [Diversity Action Grant](#)

Nov 5-6 [Young Engineers Forum](#) – held at Congress

Nov 6 [Student Design Contest](#) – Finals held at Congress

Nov 5-11 [Congress](#) – Orlando, Fla.

* [Old Guard Oral Competition](#) – held at Congress

December

Dec 15 Application Deadline: Solar Division Graduate Student Award
<http://divisions.asme.org/solar/studentprograms/>

Dec 31 Application Deadline: [Wise Internship](#)

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

Diversity Action Grants Available!

The Center for Leadership & Diversity is requesting your assistance in promoting its Diversity Action Grant (DAG) Program to your ASME Student Section for the 2005-06 academic year. This competitive program awards grants ranging from \$500 to \$1,500 to 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.

Projects should be collaborative partnerships with other minority and women's engineering societies on campus, *e.g.*, NSBE, SHPE, SWE, etc.

Applications are available for the 2005-06 academic year, and are due no later than **Nov. 1, 2005**. For additional information on the DAG Program, as well as the on-line application, go to <http://www.asme.org/communities/diversities/bdo/dag.html>.

If you have any questions, please contact Mary James Legatski in ASME's Center for Leadership & Diversity at 302-539-1354 or via e-mail at legatskim@asme.org.

The Future of Engineering, at the International Mechanical Engineering Congress & Exposition.

ASME's Center for Leadership and Diversity will sponsor a special national forum on "The Future of Engineering: The Role of Diversity in Engineering Education" in conjunction with the 2005 International Mechanical Engineering Congress and FR&D Expo on Sunday, November 6 at 2:45 PM at the Walt Disney World Swan and Dolphin Hotels in Orlando, FL. Dr. John Brooks Slaughter, President and CEO of NACME, Inc., will be serving as this year's forum moderator.

The goal of the forum is to have an open and informed discussion of how leading academic institutions are incorporating diversity as a strategy into their business plans. What are academic institutions doing to reach out to females and non-traditional male engineering students? How will the changing demographics affect the ability of not only academic institutions but also industry and government to meet the demands of the 21st Century global workplace?

Participation in the forum is open to the public at no charge. Persons planning on attending should contact Mary James Legatski at legatskim@asme.org to pre-register.

2005 ASME Honors Assembly

To honor outstanding contributions and excellence in mechanical engineering, ASME invites you to attend the annual Honors Assembly to be held at the 2005 Congress in Orlando, Fla. The event will be held on Tuesday, Nov. 8 at 5:30 p.m. at the Walt Disney World Dolphin Hotel (Northern Hemisphere B,C,D, Ballroom Level).

ASME's Honors and Awards program is funded through the ASME Foundation and bestowed by the Board of Governors, upon the recommendation of the Committee on Honors. Each year, the program recognizes a number of accomplishments in mechanical engineering. Some acknowledge general achievement in the advancement of engineering, while others recognize contributions made to engineering literature or lifetime achievement to the profession.

The Honors Reception and Dinner will immediately follow the Assembly and provide attendees ample opportunity to meet with this year's honorees and colleagues. The Honors Assembly is free of charge. The Honors Reception is a cash bar event. For those wishing to attend the Dinner, the cost for tickets is \$90. Tickets may be purchased at the ASME Congress registration area.

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