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## Central Michigan November Meeting

Please Post on Bulletin Boards



## White Pigeon Compressor Station

Tuesday, November 29, 2005

Our hosts will be Tim Wolf, Field Leader, and Sandy McCausland Field Planner-Scheduler. The White Pigeon, MI compressor station was constructed in 1963 as a supply source for natural gas to what was then Consumers Power from Trunkline Gas Pipeline. The Trunkline connection provided a competing supply from on-shore and off-shore Gulf Coast sources. The original slow speed (250rpm/108bmep) engines are still in service, however capacity additions have been made over the years to keep pace with growing needs. Currently, there are 8 spark ignited natural gas-fueled engines installed totaling about 24,000 horsepower. The engines, piping, cooler, and gas scrubber infrastructure have a capacity to deliver 900 MMSCFD (million standard cubic feet per day) representing approximately 900x10<sup>9</sup> BTU.

**Cell phones, pagers, or cameras are not permitted in the engine rooms.**



### Locations and Times

<p><u>Social Hour and Dinner</u> 6:00 p.m. "In-Between" 21355 US-12 Sturgis, MI 49091 p (269) 659-9133 Members/Guests: \$20.00 Students: \$10.00 (See map in this newsletter)</p>	<p><u>Tour</u> 7:30 p.m. Consumers Energy Compressor Station 68536 "A" Road White Pigeon, MI 49099 p (269) 483-2903 &lt;<a href="http://www.consumersenergy.com/">www.consumersenergy.com/</a>&gt; (See map in this newsletter)</p>
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**Reservations are required:** Please give name, phone or e-mail address, member status, preferred entrée (9oz Sirloin, Chicken Breasts, or Walleye) and company affiliation, noting any carpooling interest with each reservation.

**RSVP by Noon, Monday, November 28, 2005**

**Primary Dinner and Tour Contact: Tom Michelhaugh p (269) 327-5145 or e<[michelhaught@asme.org](mailto:michelhaught@asme.org)>**

# Western Michigan University

College of Engineering and Applied Sciences

[CEAS Home](#) [WMU Home](#) [Contact](#)



## Conference on Senior Engineering Design Projects

You are invited to attend the thirty-seventh Conference on Senior Engineering Design Projects. The conference will be held from 9 a.m. to 3 p.m., Tuesday, November 29, 2005 at the College of Engineering and Applied Sciences on the Parkview Campus of Western Michigan University.

The College of Engineering and Applied Sciences sponsors the conference to showcase the work of its graduating seniors, who are required to complete a capstone project that puts into practice what they have learned. Many of the projects are sponsored by business and industry. The conference is free and open to the public. You are welcome to attend all or part of the day's events. Reservations are not necessary.

High school and community college teachers are encouraged to bring students to the conference. Buses can drop off passengers in the College Circle in front of the building and then park in lot P-2. (See map)

Teachers who cannot accompany their students to the conference may ask their students to sign in and out at the information table in the lobby on the first floor of the College. Sign-in sheets will be mailed to teachers the day after the conference.

Parking is available in Lots P3 and P4 behind the College of Engineering and Applied Sciences (See Map: <http://maps.pp.wmich.edu/image.pl?Coord=677,486&Img=P&Zoom=2&Campus=KaEng&Info=0>).

There is no charge for parking for those attending the Conference.

Presentations begin on the hour and half hour. Please do not enter a room after a presentation has begun.

Session locations and times for project descriptions:

- [Civil and Construction Engineering D-202 9 a.m. to 10 a.m.](#)
- [Computer Science D-204 10 a.m. to 11:30 a.m.](#)
- [Electrical and Computer Engineering D-109 9 a.m. to 12 p.m.](#)
- [Industrial and Manufacturing Engineering D-208 10 a.m. to 2:30 p.m.](#)
- [Mechanical and Aeronautical Engineering A D-115 9 a.m. to 3 p.m.](#)
- [Mechanical and Aeronautical Engineering B D-201 9 a.m. to 1:30 p.m.](#)

A lunch break is scheduled from noon to 1 p.m. There is a café available on site.

For more information about the conference,

see <http://www.wmich.edu/engineer/senior-design-conf.php> or call [Cathy Smith](#) at (269) 276-3244.

*CCE = Civil and Construction Engineering*

*CS = Computer Science*

*ECE = Electrical and Computer Engineering*

*IME = Industrial and Manufacturing Engineering*

*MAE = Mechanical and Aeronautical Engineering*

## 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](http://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](mailto: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 need 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](mailto: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:

<b>Current</b>	<b>Former</b>	<b>Leader</b>
District A	Regions I & II, plus part of III	Karen Ohland (FY08)
<b>District B*</b>	<b>Region V, plus part of III</b>	<b>Leonard Anderson (FY07)</b>
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)

**\* The Central Michigan Section now belongs to District B.**

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).

# Draft

**Engineer's Week Dinner**  
**SAVE THE DATE COMMUNICATION**

Target: **Teachers/Guidance Counselors**

**SAVE the DATE: Science/Engineering Field Trip Opportunity, February 21, 2006**

Each February, National Engineer's Week is celebrated during the week of George Washington's Birthday. In commemoration of Engineer's Week, a group of Southwestern Michigan Engineering Societies annually hosts an afternoon/evening event with the purpose of increasing public awareness and appreciation of the engineering profession. February 21, 2006 will mark the 27<sup>th</sup> year this event has been held.

For high school students, a series of afternoon demonstrations are held at the Kalamazoo campus of the Western Michigan University College of Engineering & Applied Sciences. The keynote event is an evening dinner with an invited guest speaker on a topic related to science or engineering. The dinner also provides an ideal opportunity to mingle with university professors and administrators, to meet with engineering professionals.

Past attendance has averaged over one hundred students and teachers alone. Cost is minimal as corporate contributions make it possible for us to offer this event to students and teachers at only ten dollars per person! Details regarding the planned high school programs and the evening guest speaker are still being finalized, but watch for a letter with more details near Thanksgiving. We know that lesson planning takes place months in advance however, so please save the date of February 21, 2006 on your calendar.

-Cliff Muller  
Chair, 2006 Engineers Week Dinner Committee

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Target: **Professionals (Corporate/Engineering Societies)**

**SAVE THE DATE! – Training/Development Opportunity for Engineering Professionals**

Each February, National Engineer's Week is celebrated during the week of George Washington's Birthday. In commemoration of Engineer's Week, a group of Southwestern Michigan Engineering Societies annually hosts a dinner with the purpose of increasing public awareness and appreciation of the engineering profession.

February 21, 2006 will mark the 27<sup>th</sup> year this event has been held here. Details regarding the location and guest speaker are still being worked out. We're striving this year to reduce the cost of the dinner and make it a more entertaining evening where you'd be more inclined to invite your spouse to attend with you. Please save this date on your calendar and watch for registration information in early December.

-Cliff Muller  
Chair, 2006 Engineers Week Dinner Committee

P.S. We're always looking for engineering professionals and/or members of Southwestern Michigan engineering societies to assist in the planning of this event. Time commitment is usually one meeting per month with some E-mail and phone call action items to take care. Please call if you have an interest in helping out.

## 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](mailto: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](mailto: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 21<sup>st</sup> 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](mailto: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.

