

2007 - 2008 OFFICERS

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October 2007 Newsletter

Message from the Chair

September Meeting Recap

The September meeting was held at the UNL Tractor Test Facility on the East Campus in Lincoln. In attendance were 16 members, 7 students and 1 guest. Dr. Roger Hoy gave a tour of the current facility and test track. Jeremy Steele gave a tour of the Lester F. Larsen Tractor Test Museum. We got to see the test car, tractors, and other equipment they use for testing tractors. The museum had many old tractors as well as antique tools, instruments, and data collection equipment. We wish to thank Dr. Hoy and Mr. Steele for begin our hosts at this uniquely Nebraskan facility

The fall PE refresher course is successfully underway. The October general meeting involves a trip to Great Dane Trailers in Wayne, Nebraska on October 23, 2007. See the attached flyer for details. The fall professional development course will be held on November 8, 2007 at Mahoney State Park with the compressors and compressed air systems as the topic. Sign-up to earn 8 PD hours; see the attached flyers for details. December will bring the traditional family event of dinner and theatre at Mahoney State Park. Our tentative schedule is published in this newsletter.

The Papillion La-Vista School district is in need of Mechanical Engineering volunteers for their For Inspiration and Recognition of Science and Technology (**FIRST**) program. This is a wonderful opportunity to give back to the community and inspire young people to choose engineering as a career. Details are below.

R3 Solutions, a local sourcing company, has a job posting for a sales engineer, details about that opportunity are also in this newsletter.

We always welcome ideas for a tour, professional development course, or activity; please feel free to let us know. Contact me at millerd7@asme.org.

Sincerely,

David K. Miller
ASME, Nebraska Section Chair.

2007 ASME Nebraska Section planned program is as follows:

September 16th - UNL Tractor Lab Tour (completed)
Sept 5th to Oct 17th - PE Refresher Course (underway)
October 23rd - Great Dane Tour (flyer attached)
November 8th - PD Course - Compressors (flyer attached); RSI Tour
December - Mahoney Christmas Play
January - MUD Treatment Facility
February - ASHRAE Joint Luncheon; E-Week Banquet
March - PD Course
April - Case New Holland Tour
May - OPPD Neb City 2 Tour
June - NSPE Golf Outing; OPPD Power Drive Competition

October Meeting Announcement

Great Dane Trailers

1200 N. Centennial Road
Wayne, NE

Tuesday, October 23, 2007

5:00 pm



Virtually everything produced in the United States moves over our roads. Truck trailers move the majority of all freight, including raw materials, industrial supplies, and fuels. For the most part, finished goods and agricultural produce are shipped to warehouses, retail stores, and homes in truck trailers.

Great Dane Trailers designs and produces trailers for all of these uses - for hauling dry freight, refrigerated foods, and other cargo. Drop frame trailers are made for hauling furniture and electronic equipment; open top trailers for produce; flatbed or platform trailers for hauling machinery and steel. Many of these trailers may be shipped by highway, rail, or vessel.

We will be touring Great Dane Trailers' Wayne, NE, facility. Built on 83 acres of land, the plant began production in 1986. The plant in Wayne has exclusively manufactured the Super Seal refrigerated trailer since its opening. One of the most popular units on the market today, Super Seal trailers are revered for their exceptional light weight, tremendous structural integrity, and traditionally high resale values. The Super Seal XLT model was introduced in October 2001, and the ISO certified plant completed its 75,000th Super Seal Reefer in June 2007.

Dinner will follow the tour at:

Geno's Steakhouse
121 W. 1st Street
Wayne, NE

The available menu will include:

- 10 oz. New York Strip
- 2 pc. Grilled Boneless White Chicken
- Steamed or Fried Walleye

(All meals include salad bar, bread, one potato/vegetable/rice side, and coffee/tea/soda)

The cost is \$20 per person. Students are invited to attend at half cost. Prices already include tax and gratuity, and may be paid at the door.

Please make reservations **by Thursday, October 18**, by calling **Dave Stransky** at (402) 445-4118 or by email at "dstransky@amg-eng.com". Please note your menu choice.

PROFESSIONAL DEVELOPMENT COURSE

FUNDAMENTALS OF COMPRESSED AIR SYSTEMS

HOSTED BY ASME DISTRICT C - NEBRASKA SECTION

November 8, 2007

8:00 a.m. – 4:30 p.m.

**Mahoney State Park Lodge – Cedar Room
Ashland, NE**

Earn 8 Professional Development Hours

**Cost: \$145 (ASME Members)
 \$170 (Non-ASME Members)
 \$120 (Retirees and Students)**

The Compressed Air Systems Fundamentals seminar is a course customized for mechanical engineers on the equipment, design, maintenance, and operation of industrial compressed air systems. Topics to be covered include types/design/application of compressors, air driers, and related equipment; system design and operation including controls; modes of failure; methods of preventive maintenance and leak detection; and system efficiency concerns. The featured speaker has over 30 years of plant engineering experience and is a specialist in compressed air systems for the Draw Group of Companies. He is also a certified Compressed Air Challenge instructor.

Presented by: Frank Moskowitz

Course fee includes course materials, PDH certificate, continental breakfast, lunch, refreshments, and state park entry permit.

Reservations are required and are due by November 1st.

Contact Gary Ruhl at (402) 636-2673 or gruhl@oppd.com . Make payment to ASME – Nebraska Section and send to Gary Ruhl, Omaha Public Power District, 7475 Pershing Drive, Omaha, NE 68112.

Papillion La-Vista School District Needs Mechanical Engineering Volunteers

The **Career Education Coordinator for the Papillion La Vista School, Jean Daly Brown**

JBROWN@paplv.esu3.org , is looking to recruit mechanical engineering mentors for robotics building teams. The teams will compete in For Inspiration and Recognition of Science and Technology (**FIRST**) challenges. See the web site for a full description of the <http://www.usfirst.org/> . The school district has participated in the FIRST competitions in the past. Papillion-La Vista Schools was the first, FIRST Robotics team from Nebraska--the organization offers several levels of competition—including an elementary, middle school and another high school competition called FIRST VEX---several other Metro area school have been involved in VEX—but not the highest level of FIRST Robotics. Time line for the FIRST Robotics team includes one after school / evening a week during 1st semester, and then a intense 6 week starting in January for the build. Then competition in Kansas City early to mid-March with nationals in April. Since many engineering and science disciplines are involved, the first semester involvement may only be a couple of nights a month. It may be a big commitment of time but I'm sure the rewards are huge. Please contact Jean directly if you are interested in being involved.

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 hackleyd@asme.org

Changing the Face of Engineering: Diversity Action Grant Applications Now Being Accepted

Do you know of a Student Section doing some good work? Diversity Action Grant (DAG) applications are now being accepted from ASME student sections for the 2007-08 academic year. Student Sections located outside the United States, or collaborative projects with international partners, are strongly urged to apply.

The DAG Program, supported by the Center for Leadership and Diversity, is a competitive program which awards grants ranging from \$500 to \$1,500 to ASME Student Sections to sponsor events that:

- 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,
- Assist minority- and women-owned businesses in solving engineering design problems.

In addition, applications should promote collaboration with other organizations on campus or within the community, cost sharing of associated expenses, and a method for measuring the success of the project.

DEADLINE: Nov. 1. Apply Today!

www.asme.org/Communities/Diversity/Diversity_Action_Grant.cfm, or contact Marina Stenos at stenosm@asme.org.

ASME Offers Members Chance to have their Voices Heard During the CNN/YouTube Sponsored Presidential Debate on Nov. 25th, 2007

On Sunday, Nov. 11, as part of the International Mechanical Engineering Congress & Exposition (IMECE) the Government Relations Department of ASME will be providing members with the opportunity to register online with YouTube in order to formulate questions to ask the Presidential candidates as they debate policy issues live on CNN as part of "You Choose '08." This unique opportunity will allow ASME have their voice heard in front of the nation and possibly drive discussion as the U.S. prepares to elect a new President. The debate is formatted so that candidates answer videotaped questions from people.

This idea was originally conceived after ASME Member and former Washington Internships for Students of Engineering (WISE) intern Chris Deal decided to videotape a question for this debate related to global climate change and the possible policy implications of this issue. To view Deal's video please visit <http://www.youtube.com/watch?v=qTr2rQzoACI> For more examples, please visit <http://www.youtube.com/youchoose>.

For submission guidelines or to create a YouTube account, visit: www.youtube.com.

Questions are due by Sunday, Nov. 25, and you will be submitting your video as an individual, facilitated but not necessarily endorsed by ASME. Members who choose to submit questions are encouraged, but not required, to ask questions pertinent to the interests of ASME and those of mechanical engineers at large.

Early Career Engineer Essay Competition

The Old Guard Committee of ASME invites you to participate in an Early Career Engineer Essay Competition. The competition was developed to engage early career engineers in communicating advice and guidance based on your own personal/professional experiences and your relationship with ASME to new ME/MET graduates. The winning essay will be posted on the ASME Early Career website and the author will receive \$1,000 and a lifetime ASME membership.

For complete details visit:

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

Are YOU the New Face of Mechanical Engineering?

Aimed at promoting the up and coming innovators of the engineering profession, the New Faces of Engineering (a program of the E- Week celebration) is currently accepting nominations for 2008.

The New Faces of Engineering strives to promote the accomplishments of early career engineers by highlighting their engineering contributions and the resulting impact on society. The top individual New Faces will be featured in a full-page ad in USA Today during Engineers Week, Feb. 17-23, 2008. Each photo will be captioned with the engineer's name, name of the engineering society providing the nominee, employer and a brief statement of that individual's accomplishments as they relate to the public welfare.

Nominate someone (or yourself) today! DEADLINE: Nov. 19, 2007. Check out last year's New Faces: <http://www.eweek.org/site/Engineers/newfaces2007/index.shtml>, or contact Marina Stenos at stenosm@asme.org.

Advancing Your Career With ASME PPC

The ASME Professional Practice Curriculum (PPC) is an online resource designed to help you advance in the engineering profession by providing guidance and resources on subjects that complement an engineers technical skills.

The PPC consists of 42 modules on topics ranging from product development and writing cost proposals to team building and negotiation. The PPC also provides information on alternative engineering career paths such as patent law, marketing and sales, and entrepreneurship.

To get started, please visit www.professionalpractice.asme.org.



Universities Need Your Valuable Perspective!

Applications are being accepted through **Oct. 15** for ASME/ABET Program Evaluators.

Program Evaluators contribute to the continuous improvement of Mechanical Engineering, Mechanical Engineering Technology, or related degree programs by evaluating them against a set of criteria related to faculty, facilities, curriculum, and other key program areas. In doing so, you will be helping to assure the quality of undergraduate degree programs and the students graduating from those programs. Serving on an assessment team for a degree program is very professionally and personally rewarding and a great way of supporting the future advancement of the engineering profession.

Desired Qualifications:

- Demonstrate an interest in undergraduate education.
- Demonstrate desired competencies outlined in ABET's Competency Model
- Have at least one degree in mechanical engineering, mechanical engineering technology, or a closely related discipline. Graduate degree preferred.
- 10+ years of work experience. Management experience a plus.
- ASME member or willingness to become a member prior to applying to serve as an evaluator

To complete an application and for more information, please visit http://www.asme.org/Education/College/ABET/Become_Evaluator.cfm

ASME is committed to increasing the range of valuable perspectives that comes from having a diverse cadre of program evaluators. As such, we especially encourage minorities, women, and engineers working in industry or government to apply. Contact Amy Bentow, manager, Education, at bentowa@asme.org or 212-591-7880 with additional questions.

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/>

VOTE NOW !!

The Future of ASME is in your hands!!!

Information about nominees for Society Office for terms beginning in June 2008 is now available online.

http://www.asme.org/Governance/Nominating/Selections_By_2007_Nominating.cfm

Ballots are included in the Sept. 2007 Issue of ME Magazine and are due back no later than Oct. 24, 2007.

You have the power to shape the future of ASME!!

During the Annual Meeting in June 2008, the Nominating Committee will evaluate candidates, deliberate and nominate individuals from our Society for the following offices:

President

Board of Governors - 3 to be elected

Vice President

Education – Centers Sector

Safety Codes & Standards – Codes and Standards Sector

Conformity Assessment – Codes and Standards Sector

International Gas Turbine Institutes – Institutes Sector

Programs & Activities – Knowledge and Community Sector

Technical Communities – Knowledge and Community Sector

Government Relations – Strategic Management Sector

Terms of office for the positions voted above will begin in June 2009. Please evaluate individuals in your unit of ASME as possible nominees for the officer positions in your Sector. You may also wish to consider potential nominees for the offices of President and the three Board of Governor positions.

In addition, during the business meeting of the Annual Meeting in June 2008, the Voting and Alternate Members for the 2009 Nominating Committee will be elected.

The Nominating Committee is now smaller than previously, and it is crucial that each segment of the Society be represented in the selection process by a highly qualified Nominating Committee Member.

Please identify members to represent your sector.

For further information please contact RuthAnn Bigley at 212.591.7650 or bigleyr@asme.org.

R3 Solutions Job Posting

Sales Engineer – Application Sales Engineer, Exempt

Basic Function: Prepare technical proposals for customers.

Education: Bachelor's Degree in Engineering is required, Mechanical or Chemical Engineering preferred.

Experience: Mechanical or Chemical Engineering or related field preferred; Sales Engineering / proposal experience and comprehensive understanding of Thermodynamics, Fluid Dynamics and Heat Transfer preferred; be able to use Microsoft Office software; have strong communication and organizational skills preferred.

Essential Duties:

1. Must possess or have the ability to attain thorough and relevant product knowledge.
2. Position requires the constant and consistent exercise of intellect, judgment, and ability commensurate with professional positions in similar industries or situations.
3. Position requires regular exercise of problem solving skills.
4. Ability to handle responsibilities with effective interpersonal skills and to effectively interface with others inside and outside the Company is required.
5. Must have strong communication skills.
6. Will evaluate customer specifications.
7. Will select equipment and prepare technical proposals.
8. Have customer contact regarding industrial boilers, heat recovery steam generators (HRSG's) and related auxiliaries.
9. Position may require extended periods of operating a personal computer as a normal part of job duties.
10. Position required ability to work in a normal office environment and may require occasional/regular exposure to production plant environment with welding, machine and fabrication operations.
11. Must have ability to routinely travel domestically and internationally (5-10% travel) – generally by air and utilization of rental cars, and ability to handle luggage and attaché cases, etc., normal business travel of varying length duration. Must have or have the ability to obtain a passport.
12. All other duties as assigned.

Physical Skill and Effort: Limited manual dexterity required. Work requires infrequent physical effort. Must be able to access all parts of the boiler to examine boiler design in production, including climbing ladders, enter confined spaces and use proper PPE, including harnesses when over 6 feet off the ground.

Salary and Benefits: Client offers an excellent salary and benefits package, including medical, dental, vision, life insurance, short term disability, long term disability, cash matching 401(k) plan, retirement plan, vacation and 11 paid holidays.

If you possess the required qualifications and wish to be considered for this opportunity, please contact Jake Rehder with R3 Solutions at 402.210.2566 or jdr@r-3solutions.com.