

September Seminar & Dinner Meeting

Tuesday, September 28, 2004
Cardinal Room, ISU Memorial Union

4:00 PM Continuing Ed Seminar: *"Virtual Product Development: An Automotive Perspective"* by Dr. Steve M. Rohde

5:00 PM Social Hour

6:00 PM Dinner

7:00 PM Speaker - *"Computers & Cars: The Ever Increasing Role of Digital Computers & Electronics in the Automotive Industry"* by Dr. Steve M. Rohde

Cost: \$16.00 Member, \$20.00 Non-Member
\$3.00 Student

Register: Sign up by noon Sept 24 at:
<http://sections.asme.org/CentralIowa/>.

Chairs: Max Gassman

== 2 PDH's awarded to participants ==

Chairman's Corner

This coming year is the 125th anniversary of the American Society of Mechanical Engineers! This impressive benchmark will provide a special opportunity for ASME to showcase the contributions that engineers have made during this 125-year span.

As we begin the 2004-2005 year, I would first like to thank Steve Ephraim for his time, commitment, and leadership in serving as the Chairman of the ASME Central Iowa Section (CIS). We had a very successful year consisting of seminars, technical education, plant tours, recognition, and scholarships.

ASME was founded in 1880 "to promote the art, science and practice of mechanical engineering and the allied arts and sciences." With thirty in attendance, the first ASME meeting was held in the New York editorial offices of the "American Machinist." Today, ASME is a 120,000-member world wide professional organization with a vision of promoting the art, science and practice of mechanical engineering throughout the world.

For this coming year, your Central Iowa Section officers are Dave Glessner – Vice Chairman, Ashley Klingaman – Treasurer, Ray Micheel - Secretary, Lesley Gustafson – Membership Development, Max Gassman – Continuing Education, Francine Battaglia – Webmaster, and Dale Miller – Awards. We have scheduled an excellent set of events this year.

Beginning September 28th, there will be a seminar/dinner meeting featuring Distinguished Lecturer Dr. Steve Rohde. During this meeting we will award ASME CIS scholarships and a grant to several ISU students. We will also recognize members who have achieved 25 through 50 years of service. In October, we have a technical seminar featuring Dr. Charles Mischke, P.E. on "Addressing Uncertainty." November's meeting will be a joint seminar/dinner meeting with SAE, ASAE, and SME in Waterloo.

Please join us this year in celebrating 125 years of excellence in mechanical engineering!

Dr. George R. Wandling, P.E., 2004-5 Section Chair
gwandling@wandling.com

INSIDE THIS ISSUE

- 1 Local Section News
- 2 The 'New Faces Of Engineering'
- 2 ASME Launches 'Communities of Practice'
- 3 Learn From Nanotechnology Experts
- 3 Diversity Action Grants Now Available

New Faces of Engineering Strives to Recognize Young Talent

The *New Faces of Engineering* strives to promote the accomplishments of young engineers by highlighting their engineering contributions and the resulting impact on society. The campaign is designed to enhance and improve the image of engineering by:

Putting faces to what has often been referred to as “the stealth profession.”

Showing a group of young, diverse and talented engineers, thereby portraying engineering as an exciting profession open to everyone.

Providing both stimulation and incentive for college engineering students to explore the variety of career options available to them with their engineering degrees as well as encouraging high school students to study engineering in college.

Help students understand they are part of a global profession.

This is an opportunity to represent the mechanical engineering profession and ASME as the top individual *New Faces*. The ASME finalist will be featured in a full-page ad in USA TODAY during Engineers Week, February 20-26, 2005. The finalist’s photo will be captioned with the engineer’s name and ASME affiliation, employer and a brief statement of that individual’s accomplishments as they relate to the public welfare.

New Faces provides a unique opportunity to learn from new engineers. EWeek and the ASME staff will interview the top individuals regarding the experiences leading them to select engineering careers, the challenges in making the transition to the work force, and other key experiences that can be used with K-12 and college students.

The top candidates will participate in an e-mail and/or online Question and Answer discussion forum with engineering undergraduates globally at a future date to be determined. Candidates are asked to list languages in which they are fluent.

National Engineers Week will profile the top individuals. The profiles will be posted on the ASME web site, www.asme.org, National Engineers Week web site at www.eweek.org and at www.discoverengineering.org, the EWeek web site for middle school students.

The engineering trade press will be targeted for feature stories on the top individuals. The local media of all the nominees will be targeted to capture general press coverage.

Visit http://www.asme.org/eng_week/ to submit your application by the Oct. 22, 2004 deadline.

Engineers Provide Sustainable Solutions Through International Volunteerism

ASME members around the world have the chance to get involved in real-world engineering projects, gaining exposure and training in internationally responsible and sustainable engineering through ASME’s partnership with Engineers Without Borders™ – USA (EWB-USA).

Offering a unique opportunity for professional engineers (active or retired) and engineering students, EWB-USA is a non-profit organization established in 2000 to help developing areas worldwide with their engineering needs. EWB-USA projects may involve the design and construction of water, waste-water, sanitation, energy, and shelter systems. Projects are initiated by, and completed with, contributions and support from the local, host community, which is trained to operate the systems without external assistance. In this way, projects are appropriate and self-sustaining. The projects are conducted by groups of students under the supervision of faculty and professional engineers from partnering engineering firms and professional Societies.

ASME members should contact Diedra Hackley (hackleyd@asme.org) if they are interested in any of the above projects, or would like to propose a project of their own.

ASME Launches ‘Communities of Practice’

Want to talk to your peers about technical matters, career and personal interests? Do you need communicate with your peers without going to a meeting or even leaving your desk?

Now ASME offers you a new tool to communicate, get the information you need and meet others with similar interests and concerns at the new ASME Communities of Practice site.

On the CoP site, you can join a community, suggest a new community, participate in discussions and polls, and post your own message or request to be notified when messages are posted on the community. Its your choice what communities you participate in, and how you choose to participate.

The Communities of Practice pages also allow you to customize your own personal page to include your communities, your own links and calendar and to access an ASME event calendar.

You will need to register the first time that you use the page, and set your preferences for your home page. It only takes a few moments – then you are ready to participate, or just observe the discussions. To visit the site, and test the features for yourself, go to www.cop.asme.org.

**DO YOU
FEEL LIKE
A FISH
OUT OF
WATER...
when it
comes to
your
career?**

Join our
**EMentoring
Community**



Sign-up for a Mentor
TODAY!

www.asme.org/ementoring
eMentoring

Learn from Nano Experts - Network with Representatives from Leading Nano Universities!

The ASME Nanotechnology Institute will present its 3rd Integrated Nanosystems Conference in Pasadena, California from September 22-24, 2004. Leading-edge discoveries will be presented in the following areas:

Devices and Systems
Nanoscale
Phenomena,
Nanomanufacturing.

A tour of JPL's Microdevices Lab is available on a first-come first-serve basis. Industry and government experts will discuss business/Venture, Health Risk/Environmental, and the role of Government through lively panel sessions. Registration for the conference includes a copy of the proceedings and is \$550 for ASME Members - Students are encouraged to participate at the nominal fee of \$75 for the 3-day forum.

For details, click on:
<http://nano.asme.org/integrated04>

Partners In Mechanical Engineering Grants Available

The Board on Diversity and Outreach is accepting applications for Partners in Mechanical Engineering grants. All ASME Sections are eligible to apply. Grants are made on a first-come, first-served basis.

For more information, go to
<http://www.asme.org/communities/diversities/bdo/partners.html>

Diversity Action Grants Now Available!

The Board on Diversity and Outreach (BDO) will be accepting applications for Diversity Action Grants (DAG) for the 2004-2005 academic year. Encourage the ASME Student Section in your area to apply for these competitive grants. Deadline for applications is Nov. 1, 2004. For more information, go to

<http://www.asme.org/communities/diversities/bdo/dag.html>

Member **2 Member REFERRAL**

Refer a friend or colleague to ASME in two
simple ways:

Send a personalized email invitation or send us their contact information and ASME will contact them on your behalf. Visit
www.asme.org/membershipdrive
for complete details.

Make Your Contribution to the FasTrack E-zine Today!

The FasTrack is emailed to early career members (previously known as the young engineer). It provides quick online access to what's new and current in professional & technical resources including highlighting featured member benefits and enhancements, etc. Please see the current FasTrack issue: <http://www.asme.org/youngengineers/fastrack>

The FasTrack e-zine features a special section called "Q&A with Experienced Engineers (Five Career Questions Asked)" and we invite you to share your experience. The idea is to feature an engineer each month responding to the same 5 questions. Among the questions posed are:

When you first started your career, what was the biggest lesson you learned on the job? What is the underlying foundation for career success today? How do you keep up-to-date within your industry? What advice would you give a recent engineering graduate looking for work? Has your involvement in ASME changed or influenced your career path?

If you are interested in contributing, please send your response to all of the above questions to Cheryl Hasan at hasanc@asme.org. Please include your name and job title, as it will be included in the section. The first 5 to respond will receive **THE PARATOOL®**. (**PARATOOL® Offer expires Sept. 30, 2004**). The PARATOOL, a most comprehensive multi-purpose folding tool chest, over 20 features, an unprecedented combination of capability for its size and low cost. Superior Hand Comfort, Angled Plier Head Capability, More Blade Components, Adjustability.

Student Activity Calendar

September

Sept. 30 [Pressure Vessel & Piping Division](#) Student Paper Competition – abstract due

* Attend your [Regional Student Leadership Seminar](#)

October

Oct. 1 [Renewal](#) deadline for 2004-05 ASME Student Membership.

Oct. 15 [Application deadline](#) for Winter/Spring student loans

Oct. 21 2004-05 [Graduate Teaching Fellowship](#) – application deadline.

Oct. 29-30 Fundamentals of Engineering Exam

* Attend your [Regional Student Leadership Seminar](#)

New Mortgage Benefit for ASME Members!

Wachovia makes the mortgage process easy by providing competitive rates, quick approvals, and accurate closings. Members also receive friendly, personal attention through an ASME-dedicated mortgage team.

For details, visit

<http://www.wachovia.com/misc/0,,507,00.html>

ASME's 125th Anniversary in Full Swing!

Log onto www.asme.org/anniversary for information on events to take place during 2005, as well as historical material and information on how you can get involved.

Local Section

The schedule for the September meeting is as follows:

Date: Tuesday, September 28, 2004

Place: Cardinal Room, ISU Memorial Union, Ames, Iowa

Program:

4:00 PM Seminar Speaker – Dr. Steve Rhode

5:00 PM Social Hour

6:00 PM Dinner

7:00 PM Speaker – Dr. Steve Rhode

Return Address

Street Number and Name

City, State 98765-4321

ADDRESS SERVICE REQUESTED

Mailing Address

Street Number and Name

City, State 98765-4321

POSTAGE