

Southeastern Michigan Section



ASME International

<http://sems.asme.org>



Section Newsletter, January 2004



2003-04 SEMS Officer Team

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January Event



General Assembly on ASME Continuity and Change

Saturday, Jan. 10, 2004

1 pm – 4 pm

University of Toledo

Nitschke Hall Auditorium

Toledo, OH

All ASME members in the vicinity of Region V are invited to attend this meeting. ASME is collecting feedback at this presentation to be reviewed by the Board of Governors before the final vote on the new structure. Implementation will occur in stages beginning in the fall of 2004.

Several major goals of Continuity and Change program as presented include:

- Develop a more agile, responsive and accountable organization
- Increase from 120,000 to 400,000 members by 2013, with an average membership age of 38
- Include multi-disciplinary engineering and allied sciences in the vision statement of the society

Currently, student and senior sections each belong to one of the 13 regions around the world. The Southeastern Michigan Section is a member of Region V, led by the regional Vice President Mahesh Aggarwal. It is possible the new organization will not include regions as they exist today. Sections will need to reorganize under the “Gateways and Communities” as described in the presentation.

This is an exciting and unique time for change in ASME. All members are encouraged to provide their feedback in the online forum on the www.asme.org/change website, at the General Assemblies, or through email to president@asme.org.

Questions, more info, please contact Kent Alverson, at kwa@comcast.net

Message from the Chair

Happy New Year ASME!

I hope that everyone had a happy, healthy and safe holiday season. Now as we start up the year again, I am looking forward to another successful conclusion of the ASME year. We will continue to fight the decline in attendance and interest in ASME. Our goal is to provide you a society that will help to expand and develop your skills and knowledge.

There are a multitude of exciting events and hopefully each of you will contribute to these events. This month is the General Assembly meeting for ASME held on January 10 in Toledo, OH. Please attend if you have anything that you would like to contribute to the upcoming continuity and change plans for ASME. In February, SEMS section of ASME will hold a meeting regarding Creativity and Symbiosis at the Cranbrook Science Bldg. in Bloomfield Hills. Also, for February is Engineers Week. I encourage all of you to take a part in the E-week events for further development of our future engineers. For March, SEMS is planning a Saturday event at Kettering University with hands on learning about manufacturing processes. April will hold our Homeland Security Forum on what our local businesses can do and how the changes will affect them. In May we look to having a tour at Link Engineering, and finally in June we will have our Track Day event. As you can see this year will be filled with fun, interesting, and informative meetings. Consider these opportunities and attend one of these meetings this coming year.

Finally, I would like to congratulate last year's successful ASME team. We were recently awarded the Earl V. Fisher award which rewards the sections that perform an outstanding job developing their membership through creative and diverse activities. I would especially like to thank everyone that attended our events last year and made it such a great success.

If you have any questions or feedback for us please let us know.

Wishing you a happy and healthy new year,
Rebecca King
SEMS ASME Chair

Upcoming SEMS Events

January 10 @ 1 pm

General Assembly Meeting
Toledo, OH
SEMS Contact: Kent Alverson

February 11 @ 6:30

Location: Cranbrook Science Bldg, Bloomfield Hills MI
Speaker: Dr. Joe Berke - Creativity and Symbiosis
SEMS Contact: Michael Schwartz

February

Date and Locations: TBD
National Engineers Week Event
SEMS Contact: Kent Alverson

March

Date and Time: TBD
Monthly Meeting at Ferrari Dealership
SEMS Contact: Tom Libertiny

March

Date & Time: TBD
Hands on learning of Manufacturing Processes
Kettering University
SEMS Contact: Rebecca King

April

Date and Time: TBD
Monthly Meeting on Homeland Security
SEMS Contacts: Tom and Rebecca

May 11

Monthly Meeting: Link Detroit Test Lab (tentative)

June

Date and Time: TBD
Engineering & Auto-Racing
Waterford Hills Racetrack
SEMS Contact: Tom Libertiny

ASME Tribe

We've established a new Tribe to share local and national information and discuss ASME issues by using an innovative tool on the web: You're invite to join the discussion and team at <http://ASME.tribe.net>



2004 ARTHUR L. WILLISTON AWARD CONTEST

THE WILLISTON AWARD IS PRESENTED ANNUALLY BY ASME
TO THE STUDENT ENGINEER OR RECENT GRADUATE WHO AUTHORS THE BEST ACCEPTABLE PAPER IN THE AREA
OF CIVIC SERVICE

TOPIC AREA: The Future Role of Mechanical Engineers in Bioengineering

ASSIGNMENT: The rise in biological applications of engineering has been dramatic, with several of the major biomedical advances of the last decades having a distinctly mechanical engineering base. Indeed some undergraduate engineering programs now include a required course in biology as a first step toward preparing students for careers in which physics and chemistry are not the only basic sciences of importance to engineering applications. Some engineering colleges are forming new departments either in bioengineering, which focuses on the application of engineering principles to the study and control of biological processes, or in biomedical engineering, which applies these processes to improving health and human welfare. A recent study commissioned by ASME entitled "The Convergence of the Life Sciences and Engineering" provides a snapshot of the key forces changing and shaping engineering practice. There is clearly a growing role for mechanical engineers in this shift to engineering that is more biologically centered and the 2004 Williston Paper topic is meant to elicit your views on what this might be.

DEADLINE: Papers must be postmarked by Feb. 15, 2004.



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ASME'S MEMBER INITIATIVE SYSTEM ON THE WEB

ASME'S Member Initiative System encourages any member or operating unit of ASME to propose improvements to Society policy or procedure or to make any suggestions which would improve the operation or activities of the Society. It's easier than ever to propose improvements and to view proposals submitted by your peers.

To date, there have been 13 proposals submitted, on topics such as "ASME and Iraq Reconstruction" and "Committee on the International System of Units". To view the current year's initiatives, as well as ASME's responses, visit the Member Initiative System web page at <http://www.asme.org/cma/mis.cfm>.

Networking Meeting to Discuss the Revitalization of the Riverfront

The Engineering Society of Detroit is honored to have Matthew Cullen, General Manager—Economic Development and Enterprise Services, General Motors Corporation, speak at the upcoming networking event on January 21, 2004.

Mr. Cullen will give a presentation on the riverfront development and the revitalization. The luncheon will be held in the Jefferson Room of the Renaissance Conference Center, Detroit, Michigan.

For more information or to register for this monthly networking meeting, please visit the ESD web site at www.esd.org, or contact Kathy Cvitkovic at kcvitkovic@esd.org or 248-355-2910 x 148.

Enhance Your Career Through ESD's Review Courses

Since 1940, The Engineering Society of Detroit has successfully prepared thousands of candidates for both the Fundamentals of Engineering (FE, Part I) and the Principles & Practice of Engineering (PE, Part II) State Exams through its Professional Engineers Licensing Review Courses. This is a great opportunity for you to enhance your career and advance within your industry.

Fundamentals of Engineering (FE) Review Course, February 3-April 8, 2004

Prepare for the State of Michigan FE exam in April 2004 by taking the ESD review course. ESD's FE Review Course is the best preparation tool available for those wishing to take the examination. The FE Part I Review Course provides 60 hours of instruction in engineering fundamentals for candidates planning to take the Fundamentals of Engineering Exam.

Principles & Practice of Engineering (PE) Review Courses, February 21-April 3, 2004

If you are planning on taking the State of Michigan PE exam in April 2004, ESD's review courses will prepare you ahead of time? ESD's refresher courses in Chemical, Civil, Electrical, Environmental and Mechanical Engineering will prepare you for the content of the exams. The PE Part II Review Course consists of seven half-day Saturday sessions, by discipline, focusing on problem solving techniques needed for Part II of the Professional Engineers Exam.

All classes are held at ESD's headquarters in Southfield, Michigan. Please forward this e-mail to professionals who may be interested in taking our FE or PE Review Courses. If you would like more information on these courses, please contact Fran Mahoney at fmahoney@esd.org or 248-355-2910, ext. 116. You can also register online at www.esd.org.

<http://sems.asme.org>

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Check out the **new** SEMS website for upcoming events, newsletters, & helpful links at <http://sems.asme.org>
Coming soon: Officer Biographies, Job Postings, Section Committees, & Volunteer Opportunities

As printing and mailing costs continue to rise as a percentage of the section's operating budget, the section has decided to slowly phase out mailed copies through the remainder of 2003. With the advancement of technology, nearly every member has an e-mail account in which we encourage you to register with ASME so that you can receive e-mail newsletter notifications, as well as local section event reminders, and national opportunities within ASME. Please register your e-mail with ASME by calling 1-800-THE-ASME, or e-mail Sheryl Miller at the Regional office, millers@asme.org.

"Stump the Engineer" - Monthly Trivia Question

In an effort to encourage members to visit the website and read the newsletters, a monthly Engineering Trivia Contest has been established. Each month a question will appear in the newsletter. Participants must go to the website and log-in their answer, along with their e-mail address. A winner will be chosen each month and receive a free ASME polo shirt. At the end of the year, a grand prize winner will be drawn from all the correct answers. The grand prize will be a new state-of-the-art Palm Pilot.

January Trivia Question

At the cost of \$12 Billion, this is the world's largest privately financed engineering endeavor.

To answer this question and enter the prize drawing, go to <http://sems.asme.org/>
Click on **"Stump the Engineer" – Monthly Trivia Question**

CONGRATULATIONS to our November trivia winner . . . **Richard Sohaney** was randomly selected as the winner of the trivia question . . . **Mobile Phones** were first invented in 1947, but not sold commercially until 1983, when AT&T came up with the idea. **THANK YOU** to everyone who responded, and please continue to do so!