

Southeastern Michigan Section



ASME International

<http://sems.asme.org>



Section Newsletter, March 2004



2003-04 SEMS Officer Team

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Upcoming Events

“Engineering & Ferrari Dinner”

Join us for an evening of the finest automobiles, engineering, and food as Jeff Cauley, President of Cauley Ferrari/Maserati hosts us exclusively at his facility. Jeff will be giving us a behind the scenes tour of the facility as well as discussing some of the latest innovations for Ferrari, Maserati, and his recent race at the Rolex 24 Hours of Daytona

The evening begins with Hors d’Oeuvres at 6:30pm. The full dinner will be catered by Barrister Gardens of St. Clair Shores, and will include assorted French pastries for desert.

Date: Tuesday, March 16, 2004

Time: 6:30 – 8:30pm

Location: Cauley Ferrari

7070 Orchard Lake Road
West Bloomfield, MI 48322

Tickets: \$20, Limited availability (35 maximum)

RSVP: Tom Libertiny

Libertinyt@asme.org or 248-877-2535

Deadline is Friday, March 12. . . *first come, first serve*

Please make checks payable to:

ASME Southeastern Michigan Section
691 N. Squirrel Road, Suite 105
Auburn Hills, MI 48326

Manufacturing Processes - Technical Session Prof. Lucy King Ph.D, Kettering University

Date: Saturday, April 3, 2004

Time: 9am – 3pm

Location: Kettering University

Flint, Michigan

Homeland Security Forum

Date: Monday, April 12, 2004 (tentative)

Time: 6:00 – 9:00pm

Location: Lawrence Technological University
Southfield, Michigan

See Page 3 for detailed descriptions . . .

Message from the Chair

Dear ASME members:

I extend a heartfelt thank you to all our volunteers who assisted with E-Week. We held a successful event at Anderson Middle School in Berkley educating the middle school children on engineering and their potential to become engineers. We held multiple question and answer sessions in the morning and then a couple of robotics sessions in the afternoon. ASME has positively impacted the engineering community through spreading the knowledge of engineering to the next generation. I want to extend a special thanks to Kent Alverson who worked tirelessly to coordinate and set-up this event. If you are interested in furthering ASME's efforts to reach out to the community, please contact me.

In other news, we have a number exciting events planned for the rest of the year and I encourage you to attend these events for personal development, networking and development of your engineering knowledge. Please read further in our newsletter for these great events.

Finally, I want to address some of the issues that face the ASME organization. The ASME Board is seriously looking at reorganizing the current structure of ASME to ensure the continuity of ASME into the future. I encourage all of you to take the time to review these changes (<http://www.asme.org/change/>) and determine the impact that they will have to ensure continuity of ASME. Please consider that as members, what do you want and expect out of ASME now and in the future? ASME is interested in your thoughts so please respond to either me or the Board directly.

With regards and many thanks,
Rebecca King
rhk77@yahoo.com

ASME Tribe Community Goes Global

With 57 members and growing, the ASME online tribe community (<http://ASME.tribe.net>) continued its rapid growth. Members from our Asian and European sections were recently invited to join and have begun to do so. Tribe.net is a free service that allows folks with similar backgrounds to communicate with each other via an easy to use web-based system.

The topic primarily being discussed this month is the Continuity and Change initiative. Reports from the three presentations to date (Washington D.C., Toledo Ohio, and Storrs Connecticut) have been posted. We highly recommend that you join and contribute your ideas prior to the March 2004 Board of Governors meeting.

Pictured: Rebecca King, Chair, ASME Southeastern Michigan



2004-05 Federal Government Fellows Program

The ASME Federal Government Fellows Program provides ASME members the opportunity to work for one year with a staff member of the US Congress, White House/Executive branch through the Office of Science and Technology or other federal offices. ASME will sponsor the fellow for one year. This is only applicable for US citizens and members of ASME. The application deadline is April 1, 2004. Please see <http://www.asme.org/gric> or contact rhk77@yahoo.com for applications or more information.

ASME Sponsors EPA's 'P3' Award

ASME is sponsoring the 'P3' Award, a student design competition that will provide grants to teams of college students to research, develop, and design sustainable solutions to environmental challenges.

ASME is one of the Environmental Protection Agency's 27 partner organizations from industry, non-profit and governmental agencies to sponsor the P3 Award.

Eligible teams initially compete for \$10,000 grants. The winners will use the money to research their projects during the academic year. In 2005, the recipients will be invited to Washington, D.C. to compete for the 'P3' award, which will provide further funding for more design development and implementation.

Applications can be found at <http://es.epa.gov/ncer/rfa/>

Coming soon . . . April Event



"How to Obtain New Business for your Company from the U.S. Department of Homeland Security"

Date: Monday, 12 April 2004 (tentative)

Location: Lawrence Technological University
Room T210
Southfield, Michigan

Time: 6:00 – 9:00pm

RSVP: Tom Libertiny

Libertinyt@asme.org or 248-877-2535

Registration includes dinner: \$50/person

ASME's Southeastern Michigan Section and Board on Government Relations have teamed up to host a dinner meeting on programs at the newly-formed Department of Homeland Security (DHS). The key issue that will be addressed: How local engineering firms can obtain contracts from the U.S. government and their Tier 1 suppliers.

Two years after the tragedy of September 11th, Homeland Security has become one of the largest programs in U.S. history. Although long-range planning continues, we've entered the implementation stage and engineering suppliers are needed. As with many large federal agencies, obtaining key government and industry contracts as well as understanding how to drive through the myriad paperwork requirements is daunting. This program was designed to answer those questions as well as to answer the underlying question related to membership in the ASME: "What's in it for me?" As an ASME member, you have the opportunity to participate in this program and to find out about opportunities to bring more business to your company.

Our program was approved by the ASME Board of Government Relations through their Critical Asset Protection Initiative (CAPI). ASME is a key leader in the homeland security arena. We've partnered with other major engineering organizations including the Civil Engineering Research Foundation, the American Society of Civil Engineers and the National Institute of Standards and Technology.

ASME Southeastern Michigan Section has planned a dinner this April that will outline what you need to do in order to bid on contracts at DHS. Both industry and government will be represented at this program and will participate in a question and answer period.

What's In It for Me?

- Executives and owners of mid-size and small engineering firms have the opportunity to build and diversify their client base to include this growing business segment.
- It's an excellent networking opportunity with other industry members and our government.
- It's your opportunity to put engineering firms in a leadership position during this critical initiative.

Manufacturing Processes - Technical Session

Have you ever wondered what aluminum casting is like or how steel sheet metal forming is done? Or do you ever wish that you could learn how to weld? What about performing tensile and hardness testing? Explore the transformation process of powder metallurgy and thermoforming. All this and more is being offered at the Manufacturing Processes Technical Session. This will be a full day's workshop held at Kettering University in Flint, where Professor Lucy King will organize small-group hands-on training in various manufacturing processes. Please contact Rebecca King (rhk77@yahoo.com) if you are interested in participating in this excellent technical session

Date: Saturday, April 3, 2004

Time: 9am – 3pm

Cost: \$40 for members, \$35 for students

RSVP: Rebecca King, rhk77@yahoo.com



ASME and JSME Announce 'ICONE 12'

ASME and JSME (The Japan Society of Mechanical Engineers) will jointly present the ICONE 12 (12th International Conference on Nuclear Engineering) from April 25-29, in Arlington, Va.

ICONE is the premier technical conference on nuclear engineering. This year's theme, Nuclear Energy – Powering the Future, reflects the future changes in the global nuclear industry.

Among the attendees will be nuclear professionals throughout the world who want to stay current on industry trends and developments.

To register, or for more information on this conference, call InfoCentral at (800) 843-2763 or visit

<http://www.asmeconferences.org/icone12/index.cfm>

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Bloomfield Hills, MI 48302

<http://sems.asme.org>

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ASME Announces Conference on Nanotechnology Growth in Biotech and Medical Devices

ASME's Nanotechnology Institute will sponsor a conference on growth opportunities for the Biotech and Medical Sectors in Nanotechnology from April 15-16 at the National Academies of Sciences and Engineering in Irvine, Calif.

The conference will provide engineers, business developers, professionals from the biotech and biomedical sectors and students solutions on how to capitalize on the next wave of new technology.

Attendees to the conference will receive a tour of the Integrated Nanosystems Research Facility at the University of California, Irvine. To register for this conference, or for more information call InfoCentral at (800) 843-2763 or visit the website at <http://www.asme.org/events/nanobio>

“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.

March Trivia Question

This mode of transportation was invented by Christopher Cockerell in 1956, and was tested using an empty cat food tin, coffee tin, and an air blower.

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 January trivia winner . . . **Matt Paison** was randomly selected as the winner of the trivia question . . . **The 32 mile Channel Tunnel** cost \$12 Billion, and is the world's largest privately financed engineering endeavor. **THANK YOU** to everyone who responded, and please continue to do so!