ASME International

SE Mi Section News

March 2003

From the Chair – Howard Berkof

2002-2003 Executive Team

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2002-2003 Goals

- Minimum of 50 attendees per meeting
- At least 200 different ASME members participate over the 2002-2003 year (Approximately 2500 members in the section – 2nd largest section in the world)
- Two meeting per month in locations around the territory
- Monthly newsletter
- Promote current ASME Scholarships to members
- Student Section involvement – at least 4 joint meetings
- Win Earl V. Fisher Award
- Joint meetings with other Engineering societies

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March Event

Mr. John Petty

Director of US Army Wheeled Vehicle Program

Date: Tuesday, 11 March 2003
Time: 6:30 – 8:30 pm
Location: President's Conference Center
Lawrence Technological University
21000 W.10 Mile Road
Southfield, MI

The drive to the conference center is the first drive west of the main campus entrance off 10 Mile. *Downloadable Map:* http://www.ltu.edu/campus_maps/main_map.html The President's Conference Center is Building 8 on the map.

RSVP: Rebecca King E-Mail: rhk77@yahoo.com
Phone: (313) 845-8938

Our March Meeting will feature Mr. John Petty, of General Dynamics Land Systems Division (http://www.gdls.com/), located in Sterling Heights, Michigan. Mr. Petty Director on a wheeled vehicle program for the US Army, as well as Chairing the Corporate Ethics Committee.

April Event

"EcoDesign and Manufacturing"

Hosts: ASME SE Michigan Section and the University of Michigan – Dearborn Student Section

Topic: EcoDesign and Manufacturing, Dr. Steven Skerlos
Date: Thursday, 3 April 2003
Time: 6:30 – 8:30 pm
Location: U of M – Dearborn
Dearborn, MI (Maps and Details to Follow)

April will feature a joint meeting with the newly resurrected U of M – Dearborn section. Steven Skerlos is an Assistant Professor in the Department of Mechanical Engineering at the University of Michigan, Ann Arbor. He is the Principal Investigator of the Environmental and Sustainable Technology (EAST) Laboratory. He has received multiple grants to investigate environmental manufacturing solutions.

Current rates of human population growth, energy consumption, and raw materials depletion are unsustainable in the long-term. To create a secure, stable world with continual economic growth, pressures have steadily risen to integrate human economic activity and resource management into global biological, chemical, and physical systems. Dr. Skerlos will discuss these trends and their potential solutions.

Future End of the Year ASME SEMS Event

Engineering & Auto Racing: ASME SEMS End of the Year Fun & Lunch

Date: End of May or the beginning of June 2003
Time: 9:30am-4:00pm
Location: Waterford Hills race track, Waterford, MI
Vendor: Specter Werkes auto racing

Join us for a day of fun at the Waterford Hills racetrack. We'll provide race prepared Corvettes, race drivers, helmets, lunch, and the venue. All you need to do is have fun!

Enjoy the great outdoors while celebrating the end of our fiscal year with the ASME Southeastern Michigan Section during this very special event. Check out the Corvettes and take "hot laps" around the racecourse with one of our racing drivers (they'll drive as fast or as slow as you desire).

Tickets are $75/person for ASME members and $100/person for non-members (Sign up as an ASME member anytime from now until race day and we'll reduce your fee to $75.). The event is limited to the first 50 people. Please mail your checks for receipt by 31 March 2003 for your reservations to the following a dress:

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

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Dear Colleagues,

I am thrilled to announce the success of the section's first National Engineer's Week participation. E-Week featured three days of local section events. Dale Hetrick of Unlimited Potential, LLC gave a very inspirational presentation entitled "Leadership Attitude," to nearly 30 members. Many thanks to Tom Libertiny and his team for being terrific hosts at the Raymond James Building in Auburn Hills. During Wednesday and Thursday of E-Week, nine volunteers visited Science classes at Anderson Middle School in Berkley and Lessinger Middle School in Detroit to share with students the wonderful world of engineering.. Many thanks to Kent Alverson for his tireless efforts in organizing the school visits.

Following the E-Week success, the section plans to aggressively continue outreach efforts to local schools and the community. The section plans to get involved with the FIRST Lego contest, an engineering introductory competition for middle school students. Habitat for Humanity, volunteering time at local Detroit area public schools, and a Mentorship program are all programs which the local ASME section hopes to develop over the next two years. However, we need your support to volunteer a couple hours of your time twice a year. Please contact myself or Kent Alverson (kwa@comcast.net) if you are interested in volunteering your time towards community service events. Thank you for your continued support of ASME.

Best Regards,
Howard Berkof

hberkof@yahoo.com
(248) 890-0647

ASME Southeastern Michigan Section and the Manufacturing Engineering Division Present:

NSF Engineering Research Center for Reconfigurable Manufacturing Systems Lab Tour and Presentation

Date: Wednesday, 23 April 2003
Time: 6:30pm-8:30pm

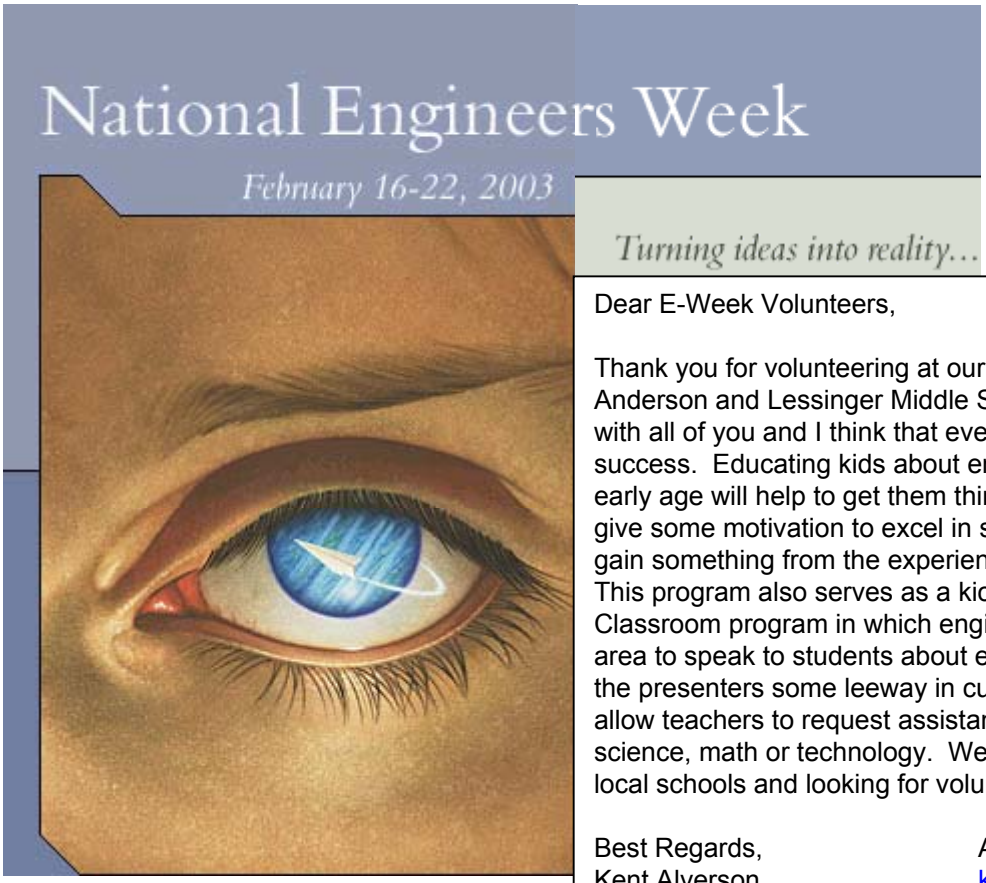
Location: NSF Engineering Research Center for Reconfigurable Manufacturing Systems
University of Michigan
Ann Arbor, MI (Maps and Details to Follow)

The Southeastern Michigan Section has joined with the Manufacturing Engineering Division for the third joint technical division/section meeting of 2002-03. MED is hosting a visit to the NSF Engineering Research Center for Reconfigurable Manufacturing Systems (ERC/RMS) at the University of Michigan. The program will include a presentation summarizing the key research activities within the Center, an in-depth tour of the Integrated Manufacturing Systems Laboratory, and demonstrations of key ERC/RMS developed technology.

ERC/RMS Motivation

In an environment of fierce competition, industry cannot afford to accept large amounts of waste, either of time, material, or production capacity. Neither can they accept the wasted opportunity of failing to supply enough products to meet an unexpectedly high demand. What manufacturers need are production systems that can easily adjust to market pressures with out requiring expensive retooling, equipment purchases, or time-consuming startup delays. The NSF ERC/RMS at the University of Michigan is developing a science base for just that kind of production scheme. By improving the system design process, developing integrated machine controls, and exploring new functionality for machine tools, the Center is focusing on what manufacturers need, to reduce their cost and increase their productivity.

Southeastern Michigan Section (SEMS)
of the
American Society of Mechanical Engineers (ASME)



Dear E-Week Volunteers,

Thank you for volunteering at our first annual Engineering Day at Anderson and Lessinger Middle Schools. It was a pleasure working with all of you and I think that everyone agrees that the day was a big success. Educating kids about engineering as a career choice at an early age will help to get them thinking about their options and perhaps give some motivation to excel in school. I hope that you were able to gain something from the experience as well.
This program also serves as a kickoff for our Engineers in the Classroom program in which engineers will go into classes around the area to speak to students about engineering. This program will give the presenters some leeway in customizing their presentations and allow teachers to request assistance teaching a particular topic in science, math or technology. We will be promoting this program at local schools and looking for volunteers to give presentations.

Best Regards,
Kent Alverson

ASME Engineers Week Coordinator
kwa@comcast.net

Engineers Week Volunteers
THANK YOU

Kent Alverson **Pat Tourney**
Steve Rohde **Howard Berkof**
Syed Karamatullah **Ryan McCleary**
Richard Gibson **Donald Whyte**
Dr. Phanindranath Vedula

The section has received a request for a couple of volunteers on March 6th for an Engineering Forum at two L'Anse Creuse high schools in Clinton Twp. They have requested Manufacturing Engineers (or M.E.s). Volunteers will give four 20 minute presentations to groups of 30 students about their career area. A short question and answer session will follow each presentation. (This will be done in round-robin format.) Please contact Kent Alverson at kwa@comcast.net if you are interested or would like more information.

Southeastern Michigan Section Visits Local Middle Schools

Part I (20 minutes): Introduction to Engineering. Each volunteer spent 5-7 minutes speaking on their field of engineering, education and career path, types of projects they are involved with, etc. This was followed by a Q&A session where the students asked many questions about engineering, including salary ranges, what each person likes most/least about their jobs, and what classes students should take in preparation for engineering.

Part II (10 minutes): A demonstration using a laser beam to transmit sound from a CD player to speakers. Electrical energy was converted to light energy and back. This is the premise for how fiber optics works.

Part III (20 minutes) Finally, a small group project with 3-4 students each. This demonstrated how engineers work on teams to solve problems. Each student team received 10 sheets of computer paper to build a tower/structure using only the given paper. The object was to find a way to build the tallest possible structure, and tied into real world problem solving, taking in factors such as wind shear.

During lunch a table was set up in the cafeteria in which many students stopped by and asked many questions about engineering.

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Tips for Successful Negotiation

Negotiating for your annual review, a promotion, or a new job? Here are some guidelines to make your negotiation a success:

- **Prioritize what you want before negotiating**. Define your overall objectives for responsibilities, work environment, salary, and benefits in advance, to stay focused on your interests throughout the discussion.
- **Consider what the employer wants, and how you can help them get it**. If you know the employer's needs, and how you can deliver on them, you are more likely to find solutions that satisfy you both.
- **Be an active listener**. Really focus on what others are saying, rather than just on what you want to hear. This will help you build relationships, clarify the employer's needs, and make you an attractive candidate for the position.
- **Be creative and open to new options.** Many people go into negotiations thinking there is only one "winning" solution. Before the negotiation, brainstorm ways to meet your and the employer's needs. Then, keep an open mind. Together you may come up with better solutions than either party anticipated on their own.
- **Research objective salary data.** Check ASME's Career Center for credible, timely salary data.
- **Practice.** Developing an effective negotiating style takes a lot of work. Role-play with a career coach so you get comfortable asking for what you want and understand how your message comes across.

Peter J. Goodman is author of *Win-Win Career Negotiations: Proven Strategies for Getting What You Want From Your Employer* and a Negotiations Coach for ASME JobCoach (http://www.asme.org/jobs/jobcoach/index.html).