



From the Chair

Howard Berkof

Welcome to a brand new year for the Southeastern Michigan Section of ASME. As our section of over 2,500 members strong enters the 2002-2003, we look to enlist the participation of each and every member. Last year earmarked the start of a great era for the section, featuring eight general meetings and sharp increase in membership activity. First, I want to thank the members of the team that helped to build a strong foundation:

2001-2002 Outgoing Executive Team

Chair: Tom Libertiny
Secretary: Mary Straffon
Treasurer: David Kramer
Programs: Michael Schwartz
PE Development: Harry Indig

Next, I want to congratulate the team of individuals who are elected to this year's Executive Committee:

2002-2003 Incoming Executive Team

Chair: Howard Berkof
Vice-Chair: Michael Schwartz
Secretary: Rebecca King
Treasurer: Tom Libertiny
Website: David Kramer

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Upcoming Section Events

Check out the latest news about upcoming events: www.asme.org/sections/SEMS/

September Meeting: Tuesday, Sept. 24th

ASME Distinguished Lecture Program:

Indy Racing and the Effect of Aerodynamics on the Car

By

Arthur W. Ebeling

Tuesday September 24, 2002,
7:00 – 9:00 p.m.

507 Odette Bldg, University of Windsor
Windsor, Ontario, Canada

Arthur Ebeling has compiled information on Indy cars for nearly a half-century, covering development and changes to the sport. Mr. Ebeling's involvement in various levels of racing spans professional to student competitions, and has afforded him the rewarding opportunity to observe developments arising from the innovations in racing that have been implemented over the years. Topics which are considered are ground effects and pod design, forward and rear wing design and engine development including the engine placement and type.

Art holds a B.S. from Rose Hulman Institute of Technology and has very broad experience in industry and is the holder of several patent rights. He is an ASME Fellow and has served in various capacities in a number of ASME units.

This activity is free for all ASME and FDR members and their guests. Contact Dr. Gary W. Rankin by phone at (519) 253-3000 Ext. 2626 or by E-mail at rankin@uwindsor.ca for reservations and more information regarding location. For those coming from the US, keep right and turn back towards the river when exiting the bridge. The Odette Bldg. is at the corner of Wyandotte St. and Sunset Ave., two blocks East of Huron Church Rd.

A map of the University of Windsor campus is available at <http://cronus.uwindsor.ca/uweb/cmap.nsf>

For future events see p. 5

2002 ASME INTERNATIONAL MECHANICAL ENGINEERING CONGRESS & EXPOSITION

Nov. 17-22, 2002
New Orleans, Louisiana



Mark Your Calendar,
Bookmark www.asme.org/conf/congress02

Search the program database in the coming months for sessions, events and papers that best meet your needs.

Calling all Mechanical Engineers who would like to:

- Influence the career and academic choices of student engineers;
- Help young engineers find their way in the profession
- Contribute to the future of mechanical engineering
- Participate in a program that fits into your busy schedule

How can you do all these things, plus derive the satisfaction of passing on your experience?

By becoming a mentor to an ASME student member or young engineer. Young engineers eligible for ementoring have been out of school for 5 years or less. To learn more about ementoring or to become a mentor visit: www.asme.org/ementoring.

Recruit a new member and 50% of their first year dues will fund scholarships.

Thanks to our 2001-2002 campaign sponsors ten ASME student members were awarded an ASME Foundation scholarship. Get started today... support the 2002-2003 Member-Get-A-Member Campaign now through June 30, 2003. www.asme.org/membershipdrive

“From the Chair” by Howard Berkof (continued from page 1).

The Executive Committee has met and established an aggressive set of goals for the 2002-2003 year. These goals include:

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

The section is very excited about continuing an impressive schedule of speakers and tours, plus developing student section interaction, creating interest in National Engineers Week, family events, and professional development. We always look forward to hearing your ideas and interests.

I encourage each member to consider these goals and help in the achievement of these objectives. With your participation, the Southeastern Michigan section of ASME will be the biggest and brightest section in the world. Please contact myself, or any member of the board, if you are interested in helping, including assisting with National Engineer's Week, student involvement, tours and speakers, or following through with an idea of your own.



Career/Life Guide

Simplify Change...

Visit the online Career/Life Guide that offers advice, articles and techniques to simplify your new or existing engineering career. Whether you are in transition from school to the work, looking for career advancement or interested in life & money management this site is for you. Visit day or night

www.asme.org/youngengineers/careerlifeguide



Held in conjunction with the ASME International Mechanical Engineering Congress & Exposition.

Career Essentials

Join us in New Orleans, Sunday, November 17, 2002 at the 22nd Young Engineers Forum (YEF). This one-day program will deliver informative presentations and a panel discussion focused on *Career Essentials* – to help you reach your full potential. You will have the opportunity to listen to experienced engineers share their knowledge on how to navigate a traditional or non-traditional engineering career, ask questions and walk away with valuable insights into your profession

The program will include the following sessions:

- How to enjoy an Engineering Career and How to have your Abilities Recognized
- Global Collaboration
- The Art of Persuasion – Influence without Authority
- Panel Discussion – Competing in the Marketplace
- Job Hunting Skills Clinic – Reception

Note: In addition to registration to the 2002 ASME International Mechanical Engineering Congress & Exposition, a separate registration form and a minimal fee is required to attend this special event.

For complete details, log onto
www.asme.org/yef/22/program.html

The Value of your membership just increased ...

Take advantage of the **New Discounted Dues Structure**. If you have earned a baccalaureate degree or an advanced degree and have been out of school 4 years or less you can save up to 60% on Member Dues. Checkout the current member dues rates available at

www.asme.org/member/info.html#dues.



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Revised PE Online Review

The PE Exam was revised for fall 2001. Our existing PE Exam Review Self-Study has been revised to conform to this new multiple-choice format. Now you can cover the necessary topics and become familiar with the new test format as you review.

PE Exam Review Online Self-Study is an online, instructor-assisted course, which you can access anytime from your PC- review at your own pace and ask the instructor questions as needed.

For information on these and other PE and FE exam prep products and courses, visit our website at: http://www.asme.org/pro_dev/exam_preparation_courses.htm. Or contact Thomas Kuehl, 212-591-8013, (kuehl@asme.org)

Please note that the SEMS of ASME will be offering a PE Exam Review through the Engineering Society of Detroit in the Winter. The Engineering Society of Detroit has successfully prepared thousands of candidates for the Fundamentals of Engineering and Principles & Practice Exams offered in the State of Michigan.

For more information visit http://www.esd.org/events_education.htm . More details to follow in future newsletters.

Student Secretary on SEMS Executive Committee

The Southeastern Michigan Section of ASME is looking for a student secretary for the 2002-2003 year. Following is a description of eligibility, responsibilities, and benefits. This position is an excellent opportunity for a student section to gain exposure to the local senior section in addition to raising money.

Eligibility

- Student must be a member of a local ASME Student Section
- Position will be appointed by Executive Board
- Annual position term is from September-April
- Executive Board must actively seek students from different schools each year

Responsibilities & Benefits

- Must attend all executive meetings, record, and publish minutes
- Represent local student sections with feedback, ideas, and student perspectives
- \$200 donation to local student chapter
- Meals/Admission will be paid for by section

Interested students and student section advisors please contact Howard Berkof at hberkof@yahoo.com or (248) 614-0071. Please include your name, e-mail, phone number, school, year, and experience with ASME.

National Engineering Week Coordinator

The Southeastern Michigan Section of ASME is looking for members interested in helping to develop and coordinate National Engineering Week activities. We are looking to create a program with a local high school or middle school that highlights the world of engineering to young students. The objective is to promote, educate, and excite student about the rewarding profession of engineering. We are open to all ideas and initiatives, including working with local ASME Student Sections. Interested members please contact Howard Berkof at hberkof@yahoo.com or (248) 614-0071. Please include your name, e-mail, phone number, and specific interests or ideas.

Upcoming SEMS ASME Events:

October Meeting: Ideal Steel Facility Tour

Date: Tuesday, 8 October, 2002

Location: Ideal Steel Facility in Howell, MI

Ideal Steel is a diverse company that provides structural and miscellaneous steel fabrication capabilities. They provide specialty items that include I-beams, angles, columns, culverts and many other building supplies.

Please see next month's newsletter for further information.

Engineering and the Entrepreneur

Hosts: ASME Southeastern Michigan Section and the University of Michigan Student Section

Date: Monday, 21 October 2002

Time: 6:30pm-8:30pm

Location: University of Michigan
Ann Arbor, Michigan

Based on feedback from both members and student members during the June 2002 Summer Annual Meeting in Minneapolis, the ASME's Council on Engineering (COE)/Council on Member Affairs (CMA) coordinating committee agreed to proactively promote the transfer of technical knowledge between the COE's technical divisions and our experienced members and students represented at the local section level. Bill Cousins, Senior Vice President, Council on Member Affairs, described the key elements of this new program:

- 1) Goal: Low cost, locally delivered technical conferences, seminars, and sessions
- 2) Target audience: Experienced and student engineers, 100-150 attendees per event
- 3) Responsibilities:
 - a. Local section: Provides marketing to the target audience and the venue
 - b. Technical division: Provides the content and speakers
 - c. Region: Coordination between the section, technical division, and ASME International.
- 4) Finance: The section and technical divisions share the risk and return from each event.

In Michigan, the mechanics of this initiative has been launched by the Southeastern Michigan Section and the University of Michigan's student section with the 21 October 2002 session entitled "Engineering and the Entrepreneur." These two local sections, with coordination provided by volunteers Brian Pandya (University of Michigan student section), Howard Berkof (Chairman, Southeastern Michigan Section), and Jeff Ray (Region V COE/CMA coordinator), have planned a highly informative panel discussion about the path to becoming an entrepreneur. Designed to help bridge the confusing gap between having the proverbial "great idea" and developing a successful business around the idea, the session not only provides timely content but also a valuable question and answer period. Speakers Arnie Leemon and Tom Liberty are two very experienced professionals in the fields of entrepreneurship and finance. Their topics include: "New product ideas and concepts from visualization through production" as well as "Financing for Technology-based Businesses."

Biographies

Arnie Leemon is an inventor/consultant, who takes an idea or concept through the necessary steps from conception to fruition. Those steps include legal protection, visualization (through prototyping or artist rendering) market analysis, production and manufacturing costs, and facilitation and presentation to industry for license or sale. If the idea or concept can be enhanced to further its presentability to industry, the improvement is assigned to the inventor, guaranteeing their complete ownership of their intellectual property.

Tom Liberty is an Associate Vice President of Investments with Raymond James & Associates and an experienced Financial Advisor. He pulls from his background in the fields of corporate finance and engineering, as well as the insight he has from building and financing businesses through investment banking and venture capital to assist his clients. His business and educational background includes over a decade of service in financial and engineering capacities from startup semiconductor and bio-tech based ventures to multi-billion dollar international conglomerates. Tom is an author and frequent speaker at finance and technology engagements and is recognized for his professional acumen and achievements by *Who's Who in Finance and Industry* and *Who's Who in the World*, among other prestigious publications. He holds both an MBA and bachelor's degree in Mechanical Engineering.

For additional information, please contact:

- Brian Pandya (University of Michigan student section) E-mail: bpandya@umich.edu
- Howard Berkof (ASME Southeastern Michigan Section) E-mail: hberkof@yahoo.com
- Jeff Ray (ASME Region V COE/CMA coordinator) E-mail: rayj@gvsu.edu