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 2003-2004**

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 2004-2005**

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CHAIR'S MESSAGE *(April Reviews)*

This is the next to last chair's message of my two-year tenure as chairman of the Central Ohio Section. It has been my pleasure to serve ASME in this capacity, and to have met and worked with so many outstanding people along the way.

Two of the people I have worked with have special meaning for me and our section – Dick Pawliger, P.E. and Anup Singh P.E. Dick and Anup were colleagues at AEP and, although their energy levels wouldn't suggest so, are retired.

Dick is a fellow of ASME, and led the Historic Landmark designation of the famous Philo 6 supercritical steam power plant. In March he was kind enough to give our section an excellent presentation of the history of steam power plants. Dick exudes that quiet confidence and professionalism that all of us should try to emulate, and he has been an inspiration to me.

Anup Singh has run out section programs for the last few years. During Anup's recent tenure on the EC, the section has realized consistently high levels of participation in our monthly programs. The monthly programs that Anup put together have been the mainstay of our section. Anup is a gentleman and professional in every respect, and we owe him our gratitude.

April was a busy month for our senior section. We helped the OSU student section put together the student RSC. I am grateful to my colleagues at Robson Lapina, especially Mari Truman, as well as volunteers Bob Woodward and Jack Jacox for judging the events. I personally enjoyed the opportunity to be the keynote speaker and scare the daylights out of the students about "real-world considerations" of the engineering profession. Hopefully I encouraged them as well. April also brought us to Beam Alloy.

Several ASME members enjoyed the tour of Beam Alloy Technologies, LLC in Plain City, Ohio. This tour was hosted by Dr. Arnold H. Deutchman, Chairman and Director of R&D. The facility houses both production and R&D IBED coating systems and on-site materials testing, and analysis laboratory. Materials testing and analysis capabilities include hardness testing, microhardness testing, Taber abrasive wear management, coating adhesion and durability testing. ASME Central Ohio Section is very thankful to Dr. Deutchman for hosting this tour.

It's still raining, but the flowers are blooming in Central Ohio. Enjoy the warmer months to come and be safe.

Sincerely,

Bart

Bart Eckhardt, P.E.
Beckhardt@robsonlapina.com
 Chair, ASME Central Ohio Section

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HOLIDAY SCHOLARSHIPS

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MAY 2004 PROGRAM

This month's program is our annual awards banquet. After the social, dinner, and awards ceremony, our keynote speaker, Robert J. Szefi, P.E. will discuss Current and Future Automotive Design Trends.

WHO: ASME members, student members, their families, and interested guests.
(Invite a colleague to check us out!)

WHEN: **Thursday, May 20, 2004**

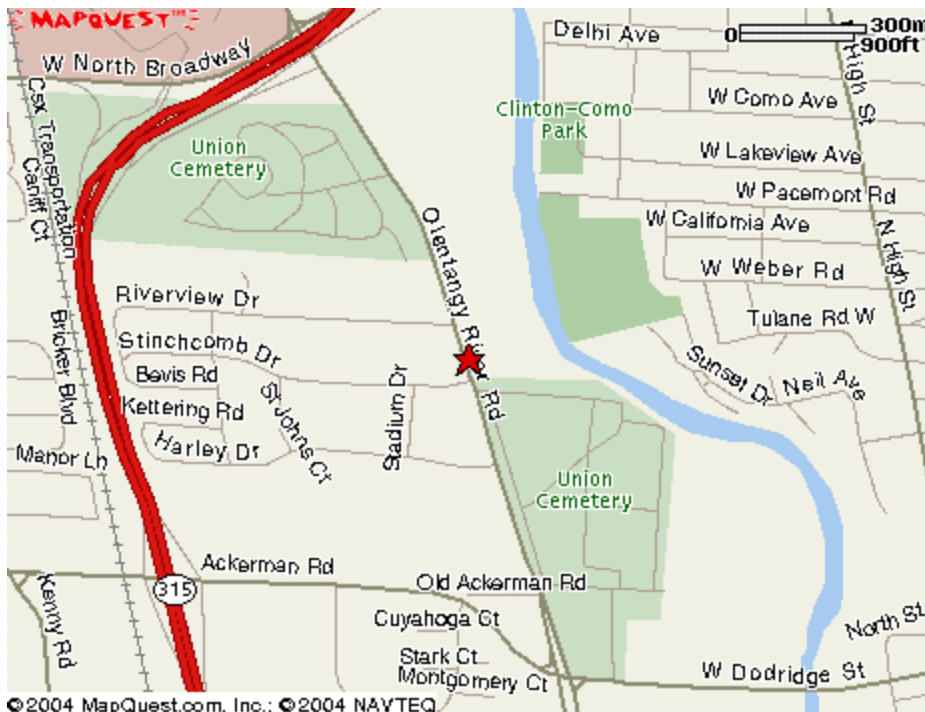
- SOCIAL/GREETINGS: 6:00 – 7:00 p.m.
- Dinner and presentation: 7:00 – 9:00 p.m.

WHERE: Damon's Restaurant at 3031 Olentangy River Rd. (Same as last year)

COST: \$20 for members and guests and \$10 for students.

No charge for our honored guests – 25-year members and the OSU student section Chair and RSC Chair as well as Old-guard competition winners.

RESERVATIONS: Please RSVP by 4:00 pm Tuesday, May 18, 2004. Contact Daniel Soenjoto, at (614) 761-1214, or via e-mail program@centralohioasme.org



Directions from 315:

1. Take the LANE AVE exit toward UPPER ARLINGTON/OHIO STATE UNIV.
2. Go East on W. LANE AVE. Drive .3 miles.
3. Turn LEFT onto OLENTANGY RIVER RD. Drive 1.1 miles
4. End at 3031 OLENTANGY RIVER RD COLUMBUS OH

Central Ohio Section News

May 3, 2004

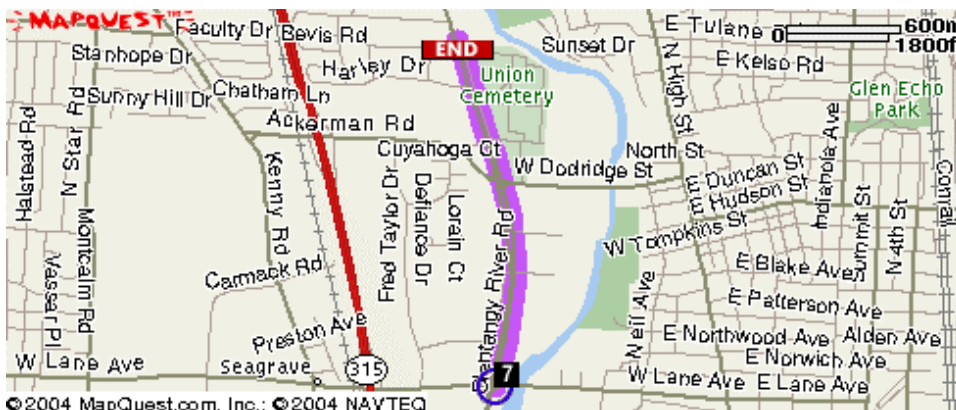
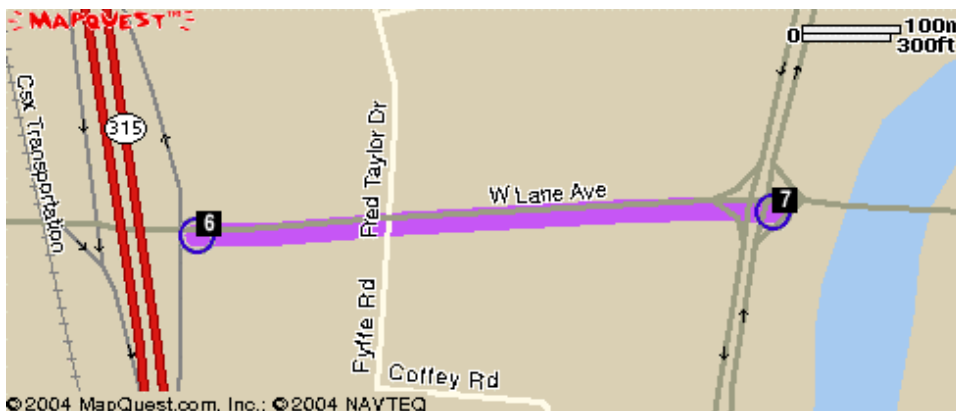
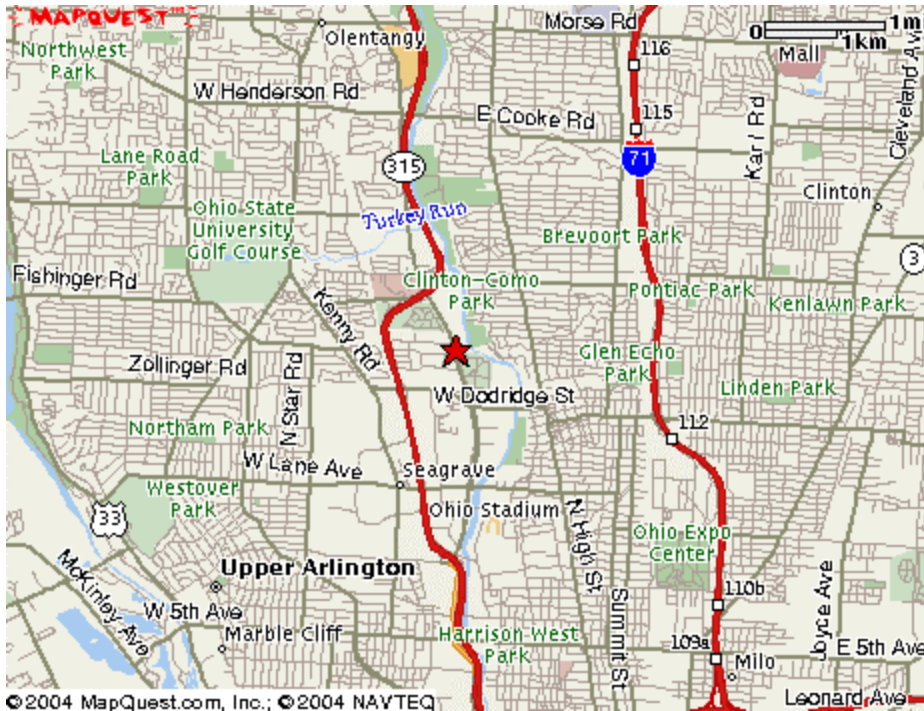
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About Our Speaker:

Robert J. Szefi, P.E., who is based in Troy Michigan, is a Mechanical Engineer who received his Bachelors and Masters degrees in ME from Wayne State University. Bob has enjoyed a long career in the automotive industry, primarily with tier II suppliers for the "big 3" in Detroit. Early in his career he was involved in the development of airbag systems for GM vehicles. More recently he lead teams developing counter balance motion seats, modular doors refined airbag systems, and vehicular body design.

Bob holds 4 patents related to modular door designs. He has extensive project management experience and will update us on the industry trends in both product and engineering and business processes in related areas.

His discussion should prove insightful to both consumer and design teams.



Message from Dr. Mulchand S. Rathod, Vice President, Diversity and Outreach

The Board on Diversity and Outreach (BDO) is requesting your assistance in promoting its Minority Leadership Program, an internship program designed to increase the participation of women and underrepresented minority members on ASME boards and committees through mentoring and leadership development.

ASME members may participate in the Minority Leadership Program in one of two ways. Members can apply for one of five one-year internships, during which they are matched with a mentor and ASME operating board or committee. More experienced members may request a recommendation for a direct placement on an operating board or committee.

The BDO is currently soliciting applicants for the 2004-05 internships, which will commence in the fall of 2004. I would encourage you to assist us by identifying candidates. Please note that the application deadline is July 15, 2004. The application form is available on-line at <http://www.asme.org/communities/diversities/bdo/minorityleadership.html>

If you have any questions, please contact Mary James Legatski in the ASME Washington office at (202) 785-3756 or via e-mail at legatskim@asme.org

Sincerely,

*Mulchand S. Rathod, Ph.D., P.E.
Vice President, Diversity and Outreach*

Newsflash!

Free E-mail for Central Ohio Section Members (students, too!)

If you are a member of the ASME Central Ohio Section, you can get a free 20-MB mailbox at name@centralohioasme.org. Sign up is available during May's program. Or, contact us for details at: info@centralohioasme.org

The Central Ohio Section News is published monthly from September through May by the Central Ohio Section, ASME International, 503 S. Front Street, Suite 205, Columbus, OH 43215.

The Executive Committee meets the first Thursday of every month at 6:30PM, at Robson Lapina, 503 S. Front Street, Suite 205, Columbus, OH 43215, (800) 654-4344. You're welcome to join!

Winning Strategies to Career Negotiations*Tips to getting that raise, promotion or new job*

Prioritize your needs. Define your overall objectives in terms of responsibilities, work environment, salary and benefits— and keep these in focus throughout the discussion.

Consider the employer's needs. The more you understand what the employer is looking for, the more effectively will you communicate your value.

Strive for mutual understanding. “Put yourself in his shoes.” If you keep in mind the other person's style and values, it's easier to overcome areas where you may disagree.

Actively listen. Focus on what is being said, rather than what you wish to say—otherwise you may miss subtle, verbal and nonverbal cues that convey the employer's needs.

Be open-minded. Believing there's just one way to arrive at a positive outcome is very limiting. Instead brainstorm several outcomes that are mutually beneficial and then keep an open mind—an unanticipated solution may present itself through dialogue.

Research salary data. Having objective salary criteria is absolutely critical. Objective data minimizes the emotion of the discussion, as well as provides third-party credibility.

Practice, Practice, ... Role-playing with a career coach, or other objective individual, will show you exactly what you are comfortable asking for and how you come across to others.

Visit ASME's Career Center at www.asme.org/jobs for more information on career building and negotiations.

**YOUR EMAIL ADDRESS - THE KEY TO
ASME INTERNATIONAL**

Did you know that your email address is the key to what's happening at ASME? By providing us with your current email address, you can learn about events taking place in your local section, such as professional development courses, industry tours, section meetings, lectures, networking opportunities and technical conferences.

Don't miss out on all that ASME has to offer! Be sure to update your member record every time your email address or contact information changes. Update your information securely online at : <https://www.asmeny.org/memberaddr/html/security.htm>, or by phone at 1-800-843-2763.

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ASME and Engineers without Borders are teaming up to engineer a better world – and you student section can help.

ASME is now forming teams of engineering students (junior or senior standing minimum), professional engineers, and engineering faculty to be an integral part of the projects. Multidisciplinary teaming is encouraged.

To participate you must:

- 1) Form an ASME team and enlist your Faculty Advisor to participate with you.
- 2) Apply for a project from the list of approved projects, or write your own project. (Guidelines and projects are available on the web. Project approval takes at least 4 weeks). Application deadlines are Aug. 1 (for 2004-early 2005) & Dec. 1 (for projects considered during 2005).
- 3) Use only appropriate and sustainable technology.
- 4) Commit 6-12 months to finish and install the project.
- 5) Supply your own travel funds, and arrange funding of materials.

Engineers Without Borders (EWB) envisions a world in which all people have access to adequate sanitation, safe drinking water, and the resources to meet their other self-identified engineering and economic development needs. .

To learn more about Engineers Without Border-USA, including guidelines and projects under current consideration, visit <http://www.ewb-usa.org/index.htm>

To participate through ASME, visit www.asme.org/students/ewb.

Student Activity Calendar

May

May 1 [Deadline for Pre-College Mini-Grant Applications](#)

May 16 [Student Manufacturing Design Competition – project description due](#)

May 30 [Young Design Engineers' Paper Competition – entry deadline](#)

June

June 1 Letter of intent for [Hydro Power Contest](#)

June 1 [Petroleum Division](#) Student Scholarship Program

June 30 [Solid Waste Processing Division](#) – Scholarships for graduate and undergraduate study – application due

June 30 [Student Section officer listing](#) due

June 30 [Student Section financial report](#) due

July

July 2 [2004 ASME Student Mechanism Design Competition](#) – Project report due

July 25 [NDE](#) final manuscript due

July 29-8/1 [Human Powered Submarine Contest](#)


Second Edition Of Gas Turbine Performance Now Available

ASME has announced the release of the second edition of Gas Turbine Performance, a book for engineers on how to achieve optimum fuel efficiency, stability and emission control in aircraft, marine, and other types of gas turbine systems.

For more information, or to purchase Gas Turbine Performance, contact ASME by calling (800) 843-2763 or infocentral@asme.org. Refer to order No. 802116.

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Ask career questions, get a real-world perspective on day-to-day issues in the workplace and learn more about other career alternatives. A mentor can help you get the right training, find the right niche in mechanical engineering, and help you transition more easily into the working world.

There are over 300 Mentors from various backgrounds: Aerospace, Biomechanics, Design Engineering, Petroleum, Power, Pressure Vessels & Piping, Nuclear Engineering, Process Industries, Engineering Sales & Marketing and more.

E-mentoring is available to all ASME members with five years or less work experience in the engineering field. So sign-up for a Mentor today!

<https://secure.asme.org/signin/ementoring.cfm>

BDO's Grants Available to Sections

The Board on Diversity and Outreach's Partners in Mechanical Engineering (Partners) Program provides grants to ASME Sections for innovative projects and activities that support collaboration with local sections or chapters of organizations that support women and underrepresented minority groups in engineering.

Grants are awarded on a first-come, first-served basis and range from \$500 to \$1,000, depending on the size and scope of the activity.

Applications for Partners grants may be submitted throughout the year. For additional information, go to <http://www.asme.org/communities/diversities/bdo/partners.html>

ASME Offers MIT Summer Programs For Engineers

ASME has teamed up with the Massachusetts Institute of Technology in providing summer engineering programs offered by the MIT Professional Institute.

The program will give participants access to some of the leading experts in a variety of engineering fields.

These one-week certificate courses will be held on the MIT campus. Among them are: Biotechnical/Pharmaceutical, Computer Engineering, Energy/Environment, Manufacturing & Automotive, Physics, Optics and Astronomy, Systems Design, Data & Models, Transportation, and Organizations, Policy and Economy.

As a special offer to ASME members, MIT is offering a 10 percent discount off the retail price of the programs. For more information contact ASME at 1-800-843-2763 or register online at

<https://secure.asme.org/VirtualCampus/MIT2.cfm>



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May 3, 2004

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