



North Texas Section News

Section Chair's Summary:

On behalf of the North Texas Section executive committee, it is my pleasure to welcome you to our 2007-08 program year. I would like to thank our past chair, Al Gienger, for an excellent 2006-07 program year. Under Al's leadership, our section has continued to grow, experienced increased member participation, and provided superior programs to the mechanical engineering community. The program year capped off with a well attended awards banquet. We were honored to have Thomas Blakely, VP of Engineering from Lockheed Martin Aeronautics Company, as the keynote speaker who shared lots of information on the Joint Strike Fighter program. Two of our members, Dr. Terry Baughn and Dr. Yildirim Hurmuzlu, were presented as ASME Fellows. It was also very exciting to have the Dallas Chapter of TSPE honor one of our own, Jeff Schroeter, as their Engineer of the Year.

This year, our committee has planned another series of informative and exciting technical talks, plant tours, social events, and other activities for you. Please take advantage of these opportunities to meet mechanical engineers from other local companies and to learn about other industries. For an investment of two to three hours a month, these meetings are valuable learning tools and networking opportunities. These programs also qualify for Professional Development Hours (PDH) that are required for renewing your state engineering license. The venue at Paisaino's worked

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Section Chair's Summary (cont.)

well last year, but we are also looking for a potentially larger space. We will keep you posted, or if you know of a venue please contact us. The Fall 2007 meetings are as follows, with different subject areas scheduled to be covered in the spring:

9/18: Social, your first beer is provided by the North Texas Section ☺. There will also be a brief 10-15 min. presentation on benefits that come with your ASME membership, like health and life insurance.

10/16: Dan Ferguson from the Dallas office of Festo will present new advances in pneumatics and some interesting problems that Festo and their customers have solved in creative ways.

11/13 (Note: 2nd Tues. in order to miss Thanksgiving week): Mike O'Neil from O'Neil and Associates will discuss issues related to Intellectual Property (IP) law including utility patents, provisional patents, trademarks, etc.

We are exploring the option of offering an Engineering Ethics session in the spring. This has been requested by members in the past. We would like to gauge the current level of interest. The class would likely be held at SMU as an evening or Saturday afternoon class. We need to know things such as:

- Are you interested in an ethics class?
- Is a weeknight or Saturday afternoon better?
- Is SMU an acceptable location?
- What would you be willing to pay to attend this class (this will help us determine the lecturer we can get and budget for supplies)?

Finally, when you pay your dues for the coming year you will notice an option that asks if you want to make a voluntary donation to your local section. Any money you allocate there will go straight to our local section budget, 100%; corporate ASME will keep none of this money.

If you have any suggestions to help us serve you better, please feel free to contact any of our executive committee members listed on our web site or me directly. I look forward to meeting each and every one of you in our socials and meetings this year.

Best Regards,
Austin Kozman
Chair, ASME North Texas Section

Congress Keynote Believes Engineers should be Facilitators of Sustainable Development



Bernard Amadei, Ph.D., the founding president of Engineers Without Borders-USA, will be the keynote speaker at the 2007 ASME International Mechanical Engineering Congress, Nov. 11-15, in Seattle. Amadei, who currently serves as professor of civil engineering at the University of Colorado at Boulder, will speak on the topic of engineering innovation, particularly as it relates to building a better world for needy populations in developing and underdeveloped countries of the world.

Amadei believes one of the greatest challenges facing the profession today is educating engineers to become facilitators of sustainable development. He is pioneering a shift in engineering education and practice called Earth Systems Engineering, which is aimed at creating interaction between engineering applications and the Earth's natural systems. At UC-Boulder, Amadei directs a new program called Engineering for Developing Communities, which is designed to educate both engineering students and professionals on the importance of being globally responsible through the application of sustainable solutions.

Engineers Without Borders-USA partners with disadvantaged communities to improve quality of life through the implementation of sustainable engineering projects, while involving and training internationally responsible engineering professionals and students. Amadei wants to create a new mindset among young people about service toward humanity. "It's not only about doing well in what you do, it's about going good," he said. The keynote session will be held Nov. 11.

ASME and Engineers Without Borders are teaming up to engineer a better world - and you can help. Visit: http://www.asme.org/Communities/Students/Undergrad/Engineers_Borders_2.cfm

Online registration for the 2007 ASME IMECE is now open. Visit <http://www.asmeconferences.org/congress07/> for details.

ASME Web Site Now Translates in Spanish and Chinese

In continued efforts to serve its growing international membership and forge an online presence consistent with new global initiatives, ASME has launched two language translation enhancements on its Web site, **ASME.ORG**

The ASME Web site can now be translated into the Spanish and Chinese languages, in addition to English. Spanish and Chinese-speaking visitors can now receive their respective language translations by clicking on the national flag of either Spain or China located at the top right side of the homepage.

"The new auto translator on the ASME Web site supports the Society's outreach and commitment to the international engineering community, which is a key to expanding our initiatives aimed at global markets," said Sam Y. Zamrik, president of ASME. "We will be adding other language translations including French, Russian, Japanese and Arabic as ASME develops the Web site to better serve its global members and customers."

ASME.ORG provides portals to an array of engineering knowledge, including information on technical publications, conferences, codes and standards, continuing education opportunities and other programs of value to the engineering and technology community.



Early Career Engineer Essay Competition

The Old Guard Committee of ASME invites you to participate in an Early Career Engineer Essay Competition. The competition was developed to engage early career engineers in communicating advice and guidance based on your own personal/professional experiences and your relationship with ASME to new ME/MET graduates. The winning essay will be posted on the ASME Early Career website and the author will receive \$1,000 and a lifetime ASME membership.

For complete details visit: http://www.asme.org/Communities/EarlyCareer/Old_Guard_Early_Career.cfm



The ASME Foundation would like to thank all staff and membership for your generosity in the efforts to establish the ASME - Virginia Tech Scholarship Fund. The Scholarship Fund will forever remember the victims of this tragedy and honor the survivors through yearly awards to deserving graduate students of the School of Mechanical Engineering.

Our commitment to match the initial \$25,000 gift to the fund from ASME prompts The Foundation to extend this appeal until the one-year anniversary of the events in April 2008. Those who have already contributed can do so again, perhaps in honor of a loved one or to substantiate your enthusiasm and philanthropy toward a worthy cause. Similarly, we give those of you who might not have donated a chance to be a part of a lasting legacy that has turned this tragedy into an event to reflect upon with hope and resilience for the future.

Many student members of ASME have inquired of ways to contribute to the scholarship fund via on-campus fundraising events. Whether you are with a student section or a professional level section, you can help make a big difference in our commitment to Virginia Tech by raising money in your section's name. Please feel free to contact us at fundraising@asme.org to discuss how you might do that. We encourage such efforts and want to know more about the varying methods you devise to encourage donation to the ASME/VT Memorial Scholarship fund. Thank you for your generosity!

To make a tax-deductible contribution to the ASME – Virginia Tech Scholarship Fund, visit www.foundation.asme.org.

A four-day career enhancement program for early-career engineers, Nov. 9–12, 2007 Seattle Sheraton, Seattle, Washington *(held in conjunction with the ASME International Mechanical Engineering Congress & Exposition)*

Nov. 9: Innovation Showcase

Become inspired at the I-Show, where 10 top collegiate student teams present their technological innovations to a judging panel of successful innovators, industry experts, venture capitalists, and intellectual property specialists for the ultimate reward: industry recognition and seed funds to move onto the next step in commercialization.

http://www.asme.org/Governance/StrategicManagement/Initiatives/Innovation_Showcase_IShow.cfm

Nov. 10: Invention to Venture Workshop

Designed for the science, engineering, and technology communities, the 'I2V' is a one-day "entrepreneurship boot camp" that teaches technology entrepreneurship basics, helps build networks, and provides a framework for moving ideas forward. Topics include idea validation, intellectual property management, marketing, building the team, creating a business plan, and financing your idea.

http://www.asme.org/Governance/StrategicManagement/Initiatives/Invention_2_Venture_Workshop.cfm

Nov. 11: Early Career Forum & Fair

The Early Career Forum & Fair provides an outstanding opportunity to learn the skills necessary to get on the fast track of your engineering career. Industry experts offer key advice on how to advance in both technical and management areas. You have the opportunity to ask specific questions about your career goals.

http://www.asme.org/Communities/EarlyCareer/Forum/Seattle_ECF_Fair_Program.cfm

Nov. 12: Early Career Development Series

The Early Career Development Series (ECDS) offers five dynamic sessions covering an array of engineering topics. The 2007 ECDS will focus on such pivotal topics as alternative energies, patents and intellectual property, aerospace design, engineering entrepreneurship, and government funding for engineering research.

http://www.asme.org/Communities/EarlyCareer/Early_Career_Development.cfm

For complete details, updates, and to register for the Early Career Forum & Fair and other early career programs, visit

http://www.asme.org/Communities/EarlyCareer/Forum/Seattle_ECF_Fair_Program.cfm.

Finalists for the 2007 "I-Show" Prepare for Congress Showdown



Eight universities will participate in the Innovative Showcase (I-Show) at the ASME Congress in Seattle on Nov. 9. ASME has developed I-Show in collaboration with the National Collegiate Inventors and Innovators Alliance and Idea to Product competitions. I-Show aims to nurture a new generation of innovators, while supporting inventive undergraduate projects, student programs, and faculty curriculum development.

One of the eight university team finalists, Rensselaer Polytechnic Institute, NY, will enter two innovations – the biodegradable building insulation and a device that monitors the condition of feet in diabetic patients. Washington State University also will present two technologies, namely a self-stabilizing hydrofoil for pleasure boats and demonstration of polyimide plastics in the walls of combustors. The other universities scheduled to participate in I-Show are the University of Texas at Austin, St. Louis University, The Pennsylvania State University, University of Idaho, Oregon State University and Texas A&M University. Judges will decide the best and most feasible ideas, and winners will receive seed funding and additional product and start-up support. For more details visit the Web site at:

http://www.asme.org/Communities/Entrepreneur/Innovation_Showcase_IShow.cfm

Nominate an Engineer for the 2008 Old Guard Early Career Engineer Award!

Recognize an outstanding early career engineer who actively involves themselves in the engineering profession, their communities, and the work of ASME. Submit your nominations today!

Visit

<http://files.asme.org/asmecorg/Communities/EarlyCareer/8026.pdf> for more details.

Student Activity Calendar

September

Sept. 4-6 Human Powered Vehicle Challenge, Maracaibo, Venezuela.

Sept. 11-12 2007 RTD Fall Technical Conference

Sept. 24 National Manufacturing Week

October

Oct. 15 2007 International Manufacturing Science and Engineering Conference (MSEC) Atlanta, Ga.

Oct. 22 International Oil and Gas Pipeline Conference, San Diego, Calif.

November

Nov. 11-15 International Mechanical Engineering Congress & Exposition, Seattle, Wash.

Renew ASME Membership Early for Your Chance to Win a 42" Plasma TV!

Find out how you could become eligible to win a 42" Plasma TV simply by renewing your ASME membership by Sept. 1 (for 2 entries to win) or renew online by Oct. 1 and receive three entries. All paid renewals must be received on or before Oct. 1. For more details visit

http://www.asme.org/Membership/ReferMember/Renew_Early_Win_42_Plasma_TV.cfm or call ASME Infocentral at 1-800-843-2763.

Advancing Your Career With ASME PPC

The ASME Professional Practice Curriculum (PPC) is an online resource designed to help you advance in the engineering profession by providing guidance and resources on subjects that complement an engineer's technical skills.

The PPC consists of 42 modules on topics ranging from product development and writing cost proposals to team building and negotiation. The PPC also provides information on alternative engineering career paths such as patent law, marketing and sales, and entrepreneurship.

To get started, please visit www.professionalpractice.asme.org.

Universities Need Your Valuable Perspective!

Applications are being accepted through **Oct. 15** for ASME/ABET Program Evaluators.

Program Evaluators contribute to the continuous improvement of Mechanical Engineering, Mechanical Engineering Technology, or related degree programs by evaluating them against a set of criteria related to faculty, facilities, curriculum, and other key program areas. In doing so, you will be helping to assure the quality of undergraduate degree programs and the students graduating from those programs. Serving on an assessment team for a degree program is very professionally and personally rewarding and a great way of supporting the future advancement of the engineering profession.

Desired Qualifications:

- Demonstrate an interest in undergraduate education.
- Demonstrate desired competencies outlined in ABET's Competency Model
- Have at least one degree in mechanical engineering, mechanical engineering technology, or a closely related discipline. Graduate degree preferred.
- 10+ years of work experience. Management experience a plus.
- ASME member or willingness to become a member prior to applying to serve as an evaluator

To complete an application and for more information, please visit

http://www.asme.org/Education/College/ABET/Become_Evaluator.cfm

ASME is committed to increasing the range of valuable perspectives that comes from having a diverse cadre of program evaluators. As such, we especially encourage minorities, women, and engineers working in industry or government to apply. Contact Amy Bentow, manager, Education, at bentowa@asme.org or 212-591-7880 with additional questions.

Made a Difference in Engineering Education?

Do you know an individual or entity (e.g. company, organization, institution, etc.) that has contributed to engineering education in a significant way? If so, consider nominating them for one of the following society awards:

The **Frank von Flue Award**, established in 2002, recognizes significant contributions by an individual or a group to the promotion of lifelong learning for mechanical engineers. Lifelong learning is defined as the continued process of education and/or professional development, following a post-secondary education degree, to maintain the competence and flexibility of mechanical engineers throughout their career. Contributions may include assessment, development, distribution or promotion of materials for lifelong learning via appropriate mechanisms, such as professional development or university extension courses and programmed or self-paced learning.

The **Ben C. Sparks Medal**, established in 1990, is presented annually to a mechanical engineer for recognition of eminent service to mechanical engineering technology education through contributions toward ASME; towards higher education professional service; and towards the teaching and/or research faculty roles in mechanical engineering and mechanical engineering technology. Candidates must have a record of outstanding performance in all of three areas: a broad range of contributions to ASME; dedicated efforts and a record of achievements in the advancement of engineering education and engineering technology education; and contributions, over an extended period of time, to the positive support, recognition, or interaction of mechanical engineering technology and mechanical engineering programs, their faculties, or students.

The deadline for submitting nominations is Jan. 1, 2008. For more information and a nomination package, please visit: <http://www.asme.org/Governance/Honors/SocietyAwards/>

EPPD 2007-08 Welcome

Hello Everyone! Welcome to the program year for 2007-2008. I am pleased to be your new Chair for EPPD, and certainly also welcome Mihai Burzo as Vice-Chair and Bob Duerr as Secretary-Treasurer. I hope we can all deliver the same kind of programs, content and activities that you'll talk about for a while – as did last year's officers. This year we have committed Texas Engineering Systems' local office in Carrollton, for our meetings on the first Tuesday of the month, starting on December 4th, 2007. Please follow link for a map:

<http://www.texaseng.com/TexasEng/DallasMap.cfm>.

We will use a similar schedule as last year, meeting through April, 2008.

Since I am new at this post, I anticipate your feedback via email or at the 9/18 North Texas Section Kickoff meeting to inform me about topics in which you are interested, particular activities, tours, or other events that we could do together. Please let me know who you are when you see me (I will locate a name tag on my shirt). I look forward to meeting each of you!

Sincerely,
Anthony Botting
Chair, EPPD Technical Chapter of ASME, NTS
email: abotting@texasengineering.com

2007-2008 North Texas Section Officers

Chair: Austin Kozman
Vice-Chair: Terry Baughn
Treasurer: Mark Hendrix
Secretary: Mauricio Salinas

2007-2008 EPPD Technical Chapter Officers

Chair: Anthony Botting
Vice-Chair: Mihai Burzo
Secretary-Treasurer: Bob Duerr

Next Section Meeting: Prime the Pump Kickoff,
18 September 2007. Location: Paisaino's (in Plano)

North Texas Section website:
<http://sections.asme.org/NorthTexas/>

Doctors Without Borders Request for Assistance (Also see Engineers without Borders, p.2)

Doctors Without Borders / Medecins Sans Frontieres (MSF) will be hosting a recruitment information session for non-medical personnel in Dallas on Saturday, October 13. At this event, anyone interested in international humanitarian aid work can learn more about MSF and how to become involved in our work overseas. MSF is an independent, international medical humanitarian organization. MSF works in more than 70 countries providing medical care to people affected by conflict, famine, epidemics, and natural disasters.

What many people do not know is that one out of every three Doctors Without Borders aid workers is a construction person, water sanitation expert, logistician, administrator, or other non-medical specialist. MSF recruits engineering and professionals whose activities in the field range from designing, constructing, and managing building project and, water-and-sanitation projects, to managing teams and facilities. More information regarding the role of MSF water sanitation workers in the field can be accessed on our website: <http://www.doctorswithoutborders.org/volunteer/field/watsan.cfm>
water sanitation: <http://www.doctorswithoutborders.org/volunteer/field/logs.cfm>
logisticians: <http://www.doctorswithoutborders.org/volunteer/field/admin.cfm>
administrators/financial controllers

For additional information contact: Emily Dally
333 7th Avenue, 2nd Floor
New York, NY 10001