Colorado Section News

http://www.sections.asme.org/Colorado/ June 2007

2007-2008 Section Officer Election Results

Section Chair
Brandon Martin
brandonm@plasticsdesign-mfg.com

Section Vice-Chair
Jessica Hibbard
jessica.c.hibbard@lmco.com

Section Treasurer
Ron Ellis
rellis@jlhermon.com

Section Secretary / Newsletter Editor
Michael Rynearson
Michael.Rynearson@Encana.com

Other Board Positions for 2007 – 2008

Web Page Editor:
Amy Gray
AGray@quadna.com

Past President
Chris Otto
chris.otto@lmco.com

INSIDE THIS ISSUE

Local Section News

Recent National Wind Technology Center Tour

On May 18, the Colorado Section of ASME will held a tour of the National Wind Technology Center located just south of Boulder. The tour held was a great success, thanks to our host Jim Johnson. If you have ideas for future tours please contact Jessica Hibbard *jessica.c.hibbard@lmco.com* we are always looking for interesting places to set up tours for the section members.

Career Opportunity

Orica has an Engineering opening at this time for a Mechanical Engineer.

Here are some details: www.orica.com

ORICA-

- World's largest explosives company.
- Experiencing a tremendous amount of growth and are in a large acquisition mode, acquiring smaller less advanced explosives companies, bringing them into the fold and upgrading them.
- Because of this they are expanding their company and global engineering capital projects team.

Contact
Nicole Muir
Lead Project Recruiter
TalentTrack
866-720-1493 ext. 121 (toll free)
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ASME Think Tank Summit to Address Today's Engineering Issues

Held in conjunction with the 2007 ASME Summer Annual Meeting in Toronto, Canada, the Society will conduct its first Think Tank Summit, June 10-11. The Summit, held at the Fairmont Royal York Hotel, will address three issues critical to today's engineers. Panel sessions include "Fruits and Pitfalls of Product Lifecycle Management," which takes a look at the emerging importance of PLM and its impact on product development processes across the value chain to deliver the most business value. "Teaching Women Engineering, A Double Standard?" will look at the pros and cons of a recent report by the National Academies that suggests that colleges and universities are outmoded in their thinking of women in engineering, and "Human Factor Engineering, Designing for the User" will ask the question: Are all products designed with the consumer (human factor) in mind? Designers, critics and the audience will probe into this topic and also take a look at samples products that include the good, the bad, and the ugly. The ASME Think Tank Summit brings together leaders in industry, government, academia and ASME in three 90-minute town-hall-style discussions.

For more details and to registration visit the Web site at http://www.asmeconferences.org/SAM07/ThinkTank.cfm or email to klaskyp@asme.org

GMET: A Boon for Global Business Professionals

Engineers, as well as people in many other professions, don't receive adequate training in business and global operations when they are in school. Researches show that there is an unmet demand for knowledge and skills in global business from companies with global operations.

Globalization affects everyone. Production lines are shipped overseas. Many business activities are located off-shored or outsourced. Products are marketed to hundred of countries and regions. Many engineers have to interact, collaborate, coordinate, or lead teams or work forces thousands of miles away, across cultures, and many time zones. Luckily, Globalization also renders engineers unprecedented opportunities. Now you can help your company break into many new markets, but you need the necessary knowledge and skills to fulfill it.

To help engineers and companies cope with these issues, ASME launched a new global training program – **Global Management of Engineering and Technology** (GMET), which covers the knowledge and skills you need to take products and services from design or drawing boards to the placement of goods on the shelves of department stores and super markets worldwide. Each GMET course has eight online modules with lecture notes, case studies, reading materials, online quizzes, a course library, and a class forum where trainees can interact with classmates and the trainer, followed by three-day live in-class training by the chief instructor. It suits a wide spectrum of learning habits, styles, and career paths. ASME has formed GMET global training partners in China, India, Malaysia, The Middle East, and North America. You can access the course materials through the website of ASME and its partners at anytime, and from anywhere throughout the world. For more information, please visit: **http://www.asme.org/Education/Courses/GMET/Global_Management_Technology.cfm**

Universities Need Your Valuable Perspective!

Applications are currently being accepted 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.

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

Applications are due by Oct. 15. 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 which comes from having a diverse cadre of program evaluators. As such, we especially encourage minorities, women, and engineers working in industry to apply. Contact Amy Bentow, manager, Education, at bentowa@asme.org or 212-591-7880 with additional questions.

FREE Interactive Volumes on ASME e-library!

The library includes general technical volumes, such as Mark's Standard Handbook for Mechanical Engineers and books on specific topics.

To view the complete list of books, and to sign up for this free member benefit, visit http://www.asme.org/Membership/Benefits/Professional/eLibrary.cfm

PPC Online
Professional Practice Curriculum

Advancing Your Career

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 engineers 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.

Student Activity Calendar

June
June 9-14 Summer Annual Meeting (SAM), Toronto, Ontario, Canada

June 10-11 ASME Think Tank Summit

Early Career Fair in Toronto, Canada

The next Early Career Forum and Fair will be held on June 10 in conjunction with the 2007 ASME Summer Annual Meeting and Think Tank Summit, at the Fairmont Royal York Hotel in Toronto, Canada.

Segments include *Transitioning from Technical to Management*, which will feature three speakers who have made such a transition; *Ethically Speaking*, which will address some of the ethical questions facing engineers in today's workplace; and an open Career Fair, which will place hiring engineering firms with attendees looking for opportunities.

For more information on the Forums and Fairs, and important updates for US Citizens traveling to Canada, visit:
http://www.asme.org/Communities/EarlyCareer/Forum/Upcoming_Events.cfm

For information on the ASME Summer Annual Meeting, visit:
http://www.asmeconferences.org/sam07/

2007 International Mechanical Engineering Congress and Exposition (IMECE)

Plans are well underway for another great ASME Congress on Nov. 11-15, 2007 in Seattle, WA. More than 3000 abstracts have been received and are currently being reviewed for quality and appropriateness for the Congress. The abstracts and papers that pass the review process will be programmed for presentations, along with several panel sessions and poster sessions. We expect to have at least 460 technical sessions programmed from Monday through Thursday. These presentations will be grouped into a new multidisciplinary Track structure. The Track topics are currently being developed. Some of the expected Tracks are:

- Micro- and Nano-Systems
- Mechanics of Solids and Structures
- Biomedical Engineering and Biotechnology
- Energy Systems
- Transportation Systems
- Mechanical Systems and Control
- Heat Transfer, Fluid Flows and Thermal Systems
- Design and Manufacturing
- Sustainable Products and Processes
- Safety Engineering and Reliability
- Processing and Application of Novel Materials
- Software for Engineering Applications
- Engineering Education and Professional Development

The new Track system that replaces the Division-based programming was developed through unprecedented collaboration between Divisions and other ASME Units. Each Track consists of several technical Symposia on topics related to the Track theme, and each Symposium includes several topical Sessions. It is hoped that the new structure will make it easier to manage potential scheduling conflicts and will make the final program easier to maneuver. This is truly a departure from past practice, and I want to take this opportunity to thank all the Division Program Representatives and Track Chairs that helped develop the new system.

There are other changes to the overall program as well. The Honors Assembly, which has been a very important part of Congress, will be moved to Monday night. The Keynote presentation will take place on Sunday evening followed by a Welcome Reception for all attendees. Another important improvement is the daily Authors' Breakfast from Monday through Thursday. This event will provide an opportunity for the Session Chairs to meet the presenters in their sessions. Also, coffee and refreshments will be provided during breaks for all attendees.

In order to reduce the number of parallel activities and reduce scheduling conflicts, most of the governance and business meetings of ASME will be moved to Friday through Sunday. However, all Division level committee meetings and functions will be scheduled during the Monday-Thursday time frame. The popular Student Design Contest and Early Career Forum will be held on Sunday.

Last year in Chicago we implemented a new registration policy to reduce the potential no-shows that had plagued the Conference in recent years. All authors and presenters were required to register in advance. Since this policy was effective and substantially reduced the number of no-shows in Chicago, it will be followed in Seattle as well. Please check the ASME Congress web site (www.asme.org/congress) for further information and see how the technical program is taking shape.

We look forward to seeing everyone in Seattle for another successful Congress, the ASME's premier event.

Said Jahanmir
2007 Congress Chair

Traveling this summer, try visiting an Engineering Wonder

The Empire State Building, New York City

Construction of the Empire State Building began in March of 1930 on the site of the old Waldorf-Astoria Hotel at 350 Fifth Avenue at 34th Street. It was completed 14 months later in May, 1931. Designed by the architectural firm of Shreve, Lamb, & Harmon Associates, the Empire State Building, at 102 stories, was the tallest building in the world until the completion of the first tower of the World Trade Center in Lower Manhattan in 1972. **Height:** 1,472 feet (448 meters) to top of antennae. 1,250 feet (391 meters) to 102nd floor observatory. 1,050 feet (320 meters) to 86th floor observatory. **Volume:** 37 million cubic feet.

Official opening: May 1, 1931, by President Herbert Hoover, who pressed a button in Washington, D.C. to turn on the building's lights.

Total Construction time: 7 million man hours, 1 year and 45 days work, including Sundays and holidays.