

April Seminar

April 27, 2007
ISU Memorial Union
Cardinal Room
Ames, Iowa.

1:00 – 5:00 PM: **"There is a Weibull Distribution in Your Future"** presented by: Charles R. Mischke, Ph.D., P.E. Emeritus Professor of Mechanical Engineering and Life Fellow of the American Society of Mechanical Engineers.

Cost: \$100 for members; Students are Free

This seminar is good for 4 PDH credits!

For more meeting information, please visit the Central Iowa Section ASME website listed below. Registration Deadline is April 23rd by noon.
<http://sections.asme.org/centraliowa/calendar.htm>

To register for this event please send an email to Aaron.Perrault@emersonprocess.com. Please include if you are a student or professional. As always, non-members are encouraged to attend!!!

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Chair's Corner

Come on Springtime!! We have had more than enough winter weather this year with trees and power lines destroyed by ice and wind. The power outage gave us time to reflect on our dependence on electrical power and how our lives would change without affordable, dependable power. The power outage also gave me a rare opportunity to enjoy the night sky with no light pollution. An awesome view as I hooked up my portable generator! February was filled with the Feb 9 Nuclear seminar followed by the Feb 20 meeting. Thirty-six people attended the nuclear seminar presented by Gus Williams and Bill Fitzgerald of Fisher Controls. Everybody appreciated Bill's & Gus' "insiders" perspective on this power source that is making a strong comeback. This seminar was very timely as we heard news this week of TXU (Texas Utilities) canceling work on eleven coal fired ultra-super critical power plants, due to pollution concerns. There was also news of Siemens Company building a plant with 250 jobs in Ft Madison, Iowa to produce 150 foot long windmill blades. Our power industry is slowly shifting directions on energy sources.

The February 20 meeting presentations on "Vibration Isolation Technology" by Hemanth Porumamilla and "Technology, Globalization and Culture" by Prof. Mark Rectanus were well attended. Mr. Porumamilla discussed his improvements to suspensions on vehicle seats to ease operator strain. Prof. Rectanus told us of a course at ISU that is open to the public. Numerous high profile speakers present their views on globalization.

We are working to arrange a meeting for late March or April to cap off our year along with Dr. Mischke's April 27 seminar: "There is a Weibull Distribution in Your Future!" As competition drives us to reduce design "fudge" factors, we must be more sophisticated in how we design statistically valid experiments and accurately evaluate test results. Dr Mischke will certainly provide attendees a solid four hours to get us started on our understanding of this important statistical tool. Send Aaron Perrault an e-mail to let us know of your attendance at the ISU Memorial Union.

Ray Micheel P.E.
Central Iowa Section Chair

ASME Names New Face of Engineering for 2007



Aviva T. Bieler, a mechanical engineer at the Port Authority of New York & New Jersey, was honored among the New Faces of Engineering during Engineers Week 2007.

The Cooper Union graduate has focused on the redevelopment of the World Trade Center site, where she was instrumental in developing the air conditioning and smoke control systems for station platforms at the World Trade Center Transportation Hub. She is also currently involved with the design of the tunnel ventilation system for the Port Authority Trans-Hudson (PATH) line.

Recently, Bieler and 14 other New Faces representatives received national recognition when they appeared in USA Today.

New Faces of Engineering is an international recognition program aimed at promoting the accomplishments and contributions of young engineers, 30 years of age or younger, while creating awareness of the impact that engineers have on our daily lives.

MARK YOUR CALENDARS!

ASME 2007 Early Career Forums & Fairs

Don't miss the opportunity to network with peers and get practical advice and information on issues relevant to your developing engineering career.

These events consisting of career fairs and panel discussions from successful industry experts and senior-level engineers will increase your awareness of trends and career opportunities in the engineering profession.

Career Fairs will feature companies hiring engineers and other opportunities. Get more information about the Forums & Fairs and important information for US Citizens traveling to Canada in 2007 visit:

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

Montreal, Canada - May 13, 2007 (At ASME Turbo Expo)

Toronto, Canada - June 10, 2007 (At ASME Summer Annual Meeting)

Seattle, Washington - November 11, 2007 (At ASME International Mechanical Engineering Congress & Exposition)

ASME To Hold Three Industry-Focused Conferences on Biotechnology

Leaders in the science and engineering communities will assess the latest technology in bioprocess engineering, biomechanics and medical devices and instrumentation at three ASME conferences in June 2007.

The ASME Bioprocess Technology Seminars and Exhibits will be held June 4-6, 2007, at the Radisson-Dublin St. Helens Hotel in Dublin Ireland. The second conference, Frontiers in Biomedical Devices 2007, is scheduled for June 7-8, at the Hyatt Regency Irvine in Irvine, Calif. The 2007 Summer Bioengineering Conference will take place June 20-24, at the Keystone Resort and Conference Center in Keystone, Colo.

The three conferences will examine the progress and future directions in biotechnology research, and provide practitioners with the latest tools and training to advance commercial applications in the field. ASME's objective in presenting the conferences is to provide the fast-growing biopharmaceutical industry with useful resources to solve technology challenges.

For more information, visit: http://www.asme.org/Communities/Technical/BPE/Bioprocess_Activities.cfm



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.

Currently, the 5 modules in the Career Transition Series are free of charge. ASME members additionally have access to the following 4 modules through the [Members Only](#) website:

- Introduction to Intellectual Property (Business & Legal Series)
- Leadership Styles and Attributes (Management & Leadership Series)
- Effective Technical Presentations (Communications Series)
- Product Management (Product Management Series)

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

Call for Submissions: The Local Scoop!

Share your good news! ASME's Strategic Communications Committee, within the Center for Public Awareness, wants to publicize and celebrate noteworthy events and/or success stories that have occurred within your District or Sections!

If your District or Sections are planning or have completed some event or activity that you would like to share with the general ASME membership, contact Marina Stenos at stenosm@asme.org. You can either provide the information directly, or give us a contact person and we will follow up.

Student Activity Calendar

April

March 30-April 1

Student Prof. Development Conference, District B, Ann Arbor, MI

Student Prof. Development Conference, District C, West Lafayette, IN

Student Prof. Development Conference, District D West, Reno, NV

Student Prof. Development Conference, District D East, Moscow, ID

April 13-14

Student Prof. Development Conference, District E North, Tulsa, OK

Student Prof. Development Conference, District E South, Edinburg, TX

April 14

Student Prof. Development Conference, District A North, Hartford, CT

Student Prof. Development Conference, District A South, Newark, NJ

April 17-29 2007 Design of Medical Devices Conference

April 30-May 3 Offshore Technology Conference (OTC)

May

May 14-17 Turbo Expo, Montréal, Quebec, Canada

Test Your Knowledge of the ASME e-Library and You May Win a Prize!

Enter the ASME E-library Challenge and test your research abilities! The Challenge has 3 to 5 questions which can be answered by using the resources in the ASME e-library. Prizes include American Express gift cards and ASME membership renewals.

The Challenge will be held from Feb. 19 to March 19, 2007. There are separate versions for members and students and winners will be chosen from entries that have all questions answered correctly.

Not familiar with the ASME e-library? It's a collection of 75 interactive technical references, available free to members. Use it anytime for answers to your technical questions, 24/7, anywhere you have an Internet connection.

To find out more about the library – or to sign up and login, just go to <http://www.asme.org/Membership/Benefits/Professional/eLibrary.cfm>

To enter, choose either the member or student edition.
Member:
http://info.knovel.com/ASME/ASME_professional_quiz.htm
Student:
http://info.knovel.com/ASME/ASME_academic_quiz.htm

The Fellow Grade recognizes significant engineering achievements and contributions to the engineering profession. ASME takes great pride in its Fellows Program and encourages the nomination of ASME members to Fellow Grade. Any ASME member can submit a nomination for Fellow.

For additional information on ASME's **Fellows Program** visit:

<http://www.asme.org/Governance/Honors/Fellows/Fellows.cfm>

Local Section

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