

2009 Early Career Engineer of the Year Announced

The purpose of the Early Career Mechanical Engineer of the Year award is to recognize a member of ASME Holston Section who has made outstanding contributions to the mechanical engineering profession and the community during the early years of his or her career.



Applicants were judged on ASME Participation, Professional Attainments/Experience, Educational Progress, Community Service, Honors and Awards, and involvement in Technical/Professional Societies.

The 2009 recipient of the ASME Early Career Mechanical Engineer of the Year Award is **Jason Goodman**.

Jason earned his bachelor's degree in mechanical engineering from Virginia Tech in 2004. After graduation, he spent a year working in process development at W.L. Gore and Associates in Elkton, Maryland, before relocating to Kingsport to work at Eastman Chemical Company.

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October Program

Topic: Tour of American Water Heater Company

American Water Heaters is a leading manufacturer of high-quality water heater products. They have manufacturing, research and development, and corporate offices located in Johnson City, TN. American offers a comprehensive line of residential and commercial water heaters. The company's new automated tank manufacturing line, paint and parts fabrication equipment, quality testing stations, automatic press controls and forming machines have helped to control product manufacturing costs and improve overall quality. The company has been at the forefront of many energy-saving innovations now common in all water heaters.

For more information you can visit www.americanwaterheater.com

Date: Thursday, October 29th

Time: 1:00 – 3:00 P.M.

Location: 101 S Broadway St, Johnson City, TN 37601

RSVP: Wendy Lick by Monday, October 26th
(423) 229-5504 or wlick@eastman.com

September Program Recap

We understand the importance of communicating our ideas to others. The challenge lies in communicating technical information in a way that gets the message across without being boring. On October 8, Holston Section member and Distinguished Toastmaster Wendy Lick shared some tips on how to understand our audience, clarify our purpose, precision-craft a presentation that will help us achieve our purpose, and deliver it in a way that will keep our audience awake and attentive.

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Energy a Key Strategy for ASME

In 2008, the ASME Board of Governors identified energy as one of the areas where the Society is poised to leverage the expertise of its members - as well as its products and services - to play a leadership role in matters impacting the globe. Energy Grand Challenge as one of the Society's three strategic priorities, along with globalization and engineering workforce development.

As a result, the ASME Energy Grand Challenge Roadmap was established as one of the first steps that the Society will take to identify, organize, and build upon existing energy capabilities, products and services to better serve those who rely on and expect the highest quality energy information and expertise.

The Challenge initiative identified nine areas of opportunity for ASME in energy. Among the areas are:

- Strengthen alliances with other societies and international organizations
- Increase ASME's profile in renewable and emerging technologies.
- Provide a rational, informed voice for political engagement.
- Build on existing ASME capabilities and expertise in the nuclear area.

Read more about the Energy Grand Challenge and ASME's Strategic Roadmap. Visit:

http://strategy.asme.org/Energy_Grand_Challenge.cfm

PLAN TO ATTEND THE 2009 ASME CONGRESS



The ASME International Mechanical Engineering Congress and Exposition, including 20 discussion tracks on topics ranging from energy to nanotechnology, will be held Nov. 13-19, at the Walt Disney World Swan and Dolphin in Lake Buena Vista, Fla.

The Congress, the Society's largest annual conference, will bring together engineers, scientists and other professionals from around the world to discuss new research and applications that are shaping the future of engineering. The conference will feature nearly 350 technical sessions covering advancements in aerospace technology, manufacturing, micro devices, transportation, and biotechnology to name a few. Get unique insights into engineering's cutting-edge research and development and how it will determine the evolution of technology worldwide. Discover trend setting innovations and tools being showcased by industry leading companies, and build your professional network, expand your knowledge, and advance your career through various forums, workshops, industry tours, and a Career Expo.

For event information, visit

<http://www.asmeconferences.org/Congress09/>.

Are YOU the New Face of Mechanical Engineering?

ASME wants you to tell us your story! The New Faces of Engineering program strives to promote the accomplishments of early career engineers by highlighting their engineering contributions and the resulting impact on society.

How Do You Get Recognized? You've got to be 30 years of age or younger as of Dec. 31, 2009; have a degree in engineering from an ABET accredited U.S. college or university, or from an equivalent international educational institution; and be a current member of ASME.

Nominate yourself, or a worthy colleague, today:

<http://www.eweek.org/site/engineers/newfaces2010/nomination.shtml>

This year we are again asking nominees to include, if available, video showing them on the job (on or off site). This will not impact the selection chances. Last year we received informal action and on-the-job photos from several New Faces; these snaps were a popular addition to our online feature and we encourage you to include these again, if available. See <http://www.eweek.org/site/Engineers/newfaces2009/index.shtml> for more information.

Global Engineering Management Conference (GEMC) Provides Hands-on Experiential Learning Opportunities for Engineering Managers

The challenges facing mid-career engineers today require a balanced portfolio of technical and soft skills. In response to this need for specialized training, the ASME Management Division has developed the Global Engineering Management Conference (GEMC) in conjunction with an Advisory Board of industry leaders. With a focus on knowledge transfer from best-in-class organizations and an emphasis on hands-on experiential learning, the GEMC will provide unique insights into what engineering managers need to compete in an increasingly demanding global market place. Attendees will benefit from technical panels discussing critical subjects including, but not limited to:

- Global Manufacturing & Management Challenges
- Crisis Management & Business Recovery
- Design & Development of Sustainable Energy
- Managing & Developing Engineers in Large Corporations

The GEMC includes a host of activities, such as an exclusive tour of the Texas Instruments LEED Manufacturing Facility and a behind the scenes engineering tour of the new Dallas Cowboys stadium. Furthermore, attendees will be able to earn continuing education unit (CEU) accreditation through tutorials led by Dr. Jerry Westbrook, past president and executive director of the American Society for Engineering Management (ASEM).

22nd Annual Bioprocess Technology Seminars and Exhibition Focus on New Insights and Real World Applications

The 22nd Annual Bioprocess Technology Seminars and Exhibition, to be held June 14-16, 2010 in Montreal, will feature seven seminars and a special new workshop – all exploring the theme of “New Insights and Real World Applications.” The event is intended to provide attendees with the chance to learn practical strategies and techniques from more than 30 leading industry experts who will discuss the latest topics related to the design and operations of today’s bioprocessing facilities.

The event will comprise seven two-day seminars, *Design and Operation of Clean Utilities for the Bioprocessing Industry*, *Process Modeling and Simulation in the BioPharmaceutical Industry*, *Bioprocess Equipment Design and Facility Layout*, *Bioprocess Fermentation & Cell Culture Scaleup and Design*, *Bioprocess Technology Implementation*, *Bioreactor and Fermenter Design*, and *Bioprocess Purification Process Development*. Attendees are eligible for PDHs upon completion of the seminar.

This year, the 22nd Annual Bioprocess Technology Seminars and Exhibition will include a new feature, the *Applications of ASME BPE (Bioprocessing Equipment) Standard Workshop*. Led by ASME BPE experts, this session will acquaint attendees with current trends happening in the biopharm industry and show them how the ASME BPE standard is used to address these trends. The workshop, which will be held on June 16, also will include hands-on training to demonstrate the applications of the BPE standard in the development, design and operation of bioprocessing facilities.

For more information, contact Jennifer Delda, program manager, by e-mail at DeldaJ@asme.org, or visit www.asmeconferences.org/bioprocess09

E-MENTORS PROVIDE CAREER GUIDANCE

If you are interested in finding an E-Mentor, visit ASME’s E-Mentoring Program on ASME.ORG — <https://secure.asme.org/signin/ementoring.cfm> — and take a look at the various mentor biographies in the E-Mentor database, or search for an E-Mentor by industry or location. E-Mentors in the program represent a wide range of companies and organizations, including Abbott Labs, Boeing, Caterpillar, Cessna Aircraft, Duke Power, Entergy Nuclear, IBM, Lockheed Martin, UPS, Procter and Gamble, the Smithsonian Institute and more. Candidates need to submit an application form and specifying up to three mentors who best fit their career interests. ASME will confirm your membership status and the matching process will begin. Mentors and mentees will be notified by e-mail when their match has been made. ASME has more than 800 mentors who are waiting to help guide students and early career engineers via the Society’s E-Mentoring initiative.



Don't Miss Your Opportunity

Looking for a new adventure at ASME? Need a volunteer to help your group get on track? If you answered "yes" to either of these questions, the Volunteer Opportunity Bulletin Board (VOBB) could help. The VOBB is the one-stop online resource for those interested in finding open volunteer positions and groups needing enthusiastic volunteers for their ASME local, District and/or international level committees. As a tool designed to help ASME leaders promote and fill volunteer positions throughout the society, the VOBB opens the door to new opportunities.

To learn more about the VOBB, posting an online position or filling a posted position, go to <http://volunteer.asme.org/vobb/> or contact Ty Booker at booket@asme.org.

PPC Online – Make the Jump from Engineering Graduate to Business Professional!

Gain Knowledge that will help you succeed as a professional in the engineering workplace with this comprehensive online series of 49 self-learning modules.

--The modules are designed to provide you with the everyday business and management skills necessary for smooth career entry and advancement.

--Professional written and verbal business communication skills to improve your performance with co-workers and potential employers.

--Information about difference industries and career paths so you can make the choices that are right for you.

Enhance your career today! Visit <http://professionalpractice.asme.org>

You have the power to shape the future of ASME!!

During the 2010 ASME Annual Meeting next June, the Nominating Committee will evaluate candidates, deliberate and nominate individuals from our Society for the following offices:

President

Board of Governors - 3 to be elected

Vice President

Leadership and Diversity – Centers Sector

Nuclear Codes & Standards – Codes and Standards Sector

Pressure Technology Codes & Standards – Codes and Standards Sector

International Petroleum Technology Institutes – Institutes Sector

Global Communities – Knowledge and Community Sector

Terms of office for the positions voted above will begin in June 2011. Please evaluate individuals in your unit of ASME as possible nominees for the officer positions in your Sector. You may also consider potential nominees for the offices of President and the three Board of Governor positions.

Additionally, Voting and Alternate Members for the 2011 Nominating Committee will be elected during the business meeting of the ASME Annual Meeting.

The Nominating Committee is now smaller, and it is crucial that each segment of the Society be represented in the selection process by a highly qualified Nominating Committee member. Please identify members to represent your sector.

For further information please contact RuthAnn Bigley at 212.591.7650 or bigleyr@asme.org.



Member Savvy

The Value of ASME Membership



Dear Members,

The world is changing at blinding speed. Major discoveries are made every day. New inventions and innovations dramatically benefit billions of people around the globe each year. So, who is on the forefront of all this change? OK, that was a loaded question and you knew I was going to say mechanical engineers, didn't you? Well, believe it! Mechanical engineers are making the world better, safer, cleaner and healthier!

Mechanical engineering encompasses so many disciplines and touches every aspect of our lives. This is truly an exciting time to be a mechanical engineer, and your fellow ME's are working on some pretty amazing things right now:

- Dr. Danny Olivas, a mechanical engineer (and ASME Member) served as a mission specialist on Space Shuttle Discovery mission STS-128. Dr. Olivas made three spacewalks and helped improve the International Space Station as part of the mission.
- Nano Researchers in California are reporting development of a "NanoPen" that could provide a quick, convenient way of laying down patterns of nanoparticles — from wires to circuits — for making futuristic electronic devices, medical diagnostic tests, and other nanotech applications.
- A group of students from Rice University recently won the ASME I-Show (Innovation Showcase) competition for a medical device that can aid physicians and other health care professionals in evaluating muscle injuries in the hand.

I take great pride in my ASME Membership and so should you! I challenge you to get out from behind your desks and spread the word about the amazing work you do every day. Mechanical Engineering is F-U-N. And creative. And important. And exciting. Share your pride with your neighbors and friends. Share your pride with your children and their friends. Show your excitement when you tell them what you do for a living. Mechanical Engineering is anything but boring. Today, I am sharing my **ASME Member Pride** with you, and I hope you do the same with people you know!

Along that line, this month I'd like you to share something about yourself. Please send an e-mail to membership@asme.org and let me know why you are proud to be a mechanical engineer (or an ASME Member). I'll share some of the responses in a future Member Savvy.

Warmest regards,

Mike

Michael Kreisberg, director, ASME Membership Development

2009 Early Career Mechanical Engineer of the Year! (Continued)

He currently works in a process engineering role, specializing in rotating equipment.

Jason has been a member of ASME for 10 years, holding a number of leadership positions at the section level. Currently, Jason is the Vice Chairman for the Holston Section.

Away from work, Jason enjoys spending time with his wife, Nicole, and new daughter, Ella. An avid runner, Jason supports running in the community by serving on the board of the State of Franklin Track Club. Jason also enjoys hiking and backpacking in the mountains of northeast Tennessee and western North Carolina.

Congratulations to Jason Goodman, 2009 Early Career Mechanical Engineer of the Year!

September Program Recap (Continued)

Wendy capped it off by inviting all of us (including those who were unable to attend) to drop by a meeting of any of the local Toastmasters Clubs, where we can develop and practice our presentation skills in a friendly, supportive, and extremely low-risk environment. She especially invites us to visit Tuesday Toasters, the Toastmasters Club of which she has been a member since 1993. They meet every Tuesday except Eastman holidays, noon to 1 pm, at the Eastman Employee Center. More info at www.toastmasters.org or www.tuesdaytoasters.org.