



# Washington DC Section Newsletter September 2009



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**GERMAN EMBASSY HOUSE RECEPTION**  
ASME – Tau Beta Pi – DCSPE – Cost Engineers  
**Monday, September 14, 2009**  
**6:30 p.m. to 9:00 p.m.**

Place: German Embassy House  
1900 Foxhall Road NW  
Washington, D.C. 20007

Cost: \$30.00 per person

Germany continues to be one of the main countries in science and technology. We will learn more about Germany's research and engineering from the Embassy's Minister-Counselor Christian Joergens. He is Head of the Section on Science and Technology.

The evening will include a buffet reception with a chance to talk with the Embassy staff, fellow engineers, and guests. We will be joined at this event by the D.C. Society of Professional Engineers, the Washington Alumni Chapter of Tau Beta Pi, and the Association for the Advancement of Cost Engineering – National Capital Section.

The cost of the event is \$30 per person. The buffet will include goulash, Nuernberger sausage, noodles, peas, and carrots. There will also be mixed green salad, herring salad, tomato salad, potato salad, and a cheese tray. Dessert will be apple strudel with whipped cream and Rote Gruetze (dessert of red fruit) with vanilla cream. There will be wine, beer, soda, and coffee.

**REGISTRATION:** The Embassy requires a complete list of attendees' names in advance, only people who are registered can be admitted. To register for this event, call the ASME Washington Section Executive Secretary, Andrea Gironda at (703) 489-9503 or e-mail her at [agironda@verizon.net](mailto:agironda@verizon.net) by September 7.

**(Continued Page 2)**

**THERMOELECTRICS FOR VEHICLES**  
**JOHN FAIRBANKS**  
**Thursday, October 8, 2009**  
**6:30 p.m.**

Place: Pier 7 Restaurant in the Channel Inn Hotel  
650 Water Street SW, Washington, D.C.

Cost: \$30.00 per person

Registration: To register for this event, call the ASME Washington Section Executive Secretary, Andrea Gironda at (703) 489-9503 or e-mail her at [agironda@verizon.net](mailto:agironda@verizon.net) by October 2.

We will be joined at this meeting by the D.C. Society of Professional Engineers, the Tau Beta Pi Washington Alumni Chapter, and the Association for the Advancement of Cost Engineering – National Capital Section.

John Fairbanks is the Technology Development Manager for Thermoelectrics at the U.S. Department of Energy. The thermoelectric effect, producing electricity from heat, has become an area of intense research interest. Government and industry engineers have been exploring new materials, which make the thermoelectric generation of electricity more efficient. In 2014, it is planned that there will be vehicles with thermoelectric systems for generation. Vehicles with thermoelectric air conditioning are planned for a year later.

John Fairbanks has been in vehicle energy research at the Department of Energy since 1977. Besides his thermoelectric programs, he has led research on more efficient diesel engines. His research has also included engines capable of using alternate fuels. Before joining DOE, He had worked at the Naval Sea Systems

Command, where his programs included the ceramic gas turbine and the FT-9 Marine Gas Turbine, which is a marinized version of the engines on the 747 aircraft.

He was on active duty with the U.S. Navy in the Korean War as an engineering officer on the U.S.S. Montrose. Early in his career, he had worked in space power systems with NASA and Philco Ford. He taught engineering at Texas A&M from 1965 to 1966. He received his B.S. in marine engineering from Maine Maritime Academy in 1952, his B.S.M.E. from Stanford in 1961, and his M.S.M.E. from the University of Santa Clara in 1965.

He was chairman of the ASME Washington Section from 1981 to 1982. He was invited to give the keynote address on diesel engines at the ASME Energy Sources Technology Conference in 1994. He made a presentation on his diesel engine research to the Washington Section of ASME in 2003.

Our dinner at the Pier 7 Restaurant will have a choice between beef or fish entrees. When you make your reservation, please select between Beef Bourguignon (burgundy wine sauce) or Broiled Filet of Corvina (whiting fish), shrimp & scallop. Both choices come with Broccoli Polonaise, Waldorf Salad, Rolls and Butter, and Apple Pie for dessert. Beverages are Coffee, Tea, Decaf, or Milk.

Directions: The Channel Inn Hotel with its Pier 7 Restaurant is located on the Maine Avenue waterfront near 7th Street SW. If you are driving, take Maine Avenue and turn toward the waterfront to get onto Water Street, which runs parallel to Maine Avenue. The entrance to the parking garage is on the side of the Channel Inn Hotel. Your parking receipt will be stamped at the dinner to give you 3 hours of free parking in the garage. If you take Metro, it's a 3-block walk from the Waterfront Station on the Green Line.

### **(German Embassy Reception Continued)**

**DIRECTIONS:** The Embassy House is a small white building on the Embassy grounds with its entrance on Foxhall Rd. between Reservoir Rd. and Whitehaven Pkwy. PLEASE NOTE that our reception is NOT in the large main Embassy building of the Federal Republic of Germany which is located around the corner. BE SURE TO GO TO THE RIGHT BUILDING. Street parking is generally available on Foxhall Rd. or Whitehaven Pkwy.; there is no parking on the Embassy grounds.

## **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, FL.

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/>.

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**ONLINE DEGREES:**

- Energetic Concepts
- Fire Protection Engineering
- Nuclear Engineering (2009-10)
- Project Management
- Reliability Engineering
- Sustainable Energy Engineering (2009-10)

**CORE COURSES:**

- Renewable Energy Applications
- Energy Conversion I: Stationary Power
- Energy Conversion II: Mobile Power
- Environmental Risk Analysis
- Advanced Fuel Cells and Batteries
- Photovoltaics: Solar Energy

**ELECTIVE TRACKS:**

- Nuclear Engineering
- Energy Systems
- Reliability Engineering

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## 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).

The GEMC will be held on April 11-14, 2010 at the Fairmont in the heart of downtown Dallas, Texas. Visit our website for further information and to check out the new GEMC Interview Series which includes an insightful interview with Dr. Westbrook at <http://www.asmeconferences.org/gemc10/>

## GD&T SEMINAR IN SALT LAKE CITY

A seminar on the newly revised *ASME Y14.5* standard for geometric dimensioning and tolerancing (GD&T) will take place on Oct. 8, 2009, at the Sheraton Salt Lake City in Salt Lake City, Utah. The seminar aims to provide users of *ASME Y14.5* with an overview of the principles of GD&T, as well as review the changes that ASME has incorporated into the current 2009 version of the popular standard. GD&T is a universal design language that has been rigorously studied and applied by manufacturers around the world. It is widely considered by mechanical engineers to be an essential tool for communicating design intent. By providing uniformity in drawing specifications and interpretation, GD&T reduces guesswork throughout the manufacturing process — improving quality, lowering costs, and shortening deliveries. *ASME Y14.5-2009* has been fine-tuned with ease of use and readability in mind. For registration information and other details on the seminar, visit the website

<http://www.asmeconferences.org/y145/>

## 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. Good Luck!

**DISTRICT A LEADERSHIP MEETING  
NOVEMBER 6-7, 2009  
Baltimore, MD**

**Saturday, November 7, 2009  
The Engineer's Club  
11 West Mount Vernon Place  
Baltimore, MD 21201  
<http://www.esb.org/>**

**Important Dates:**

**Hotel Reservation Deadline, October 16, 2009  
Meeting Registration Deadline, November 1, 2009**

**Hotel Information**

**Peabody Court Baltimore**  
612 Cathedral St.  
Baltimore, MD 21201  
Phone:(410) 727-7101

Rooms have been reserved for Friday, November 6 at group rate of \$145.00 per night plus tax, which also includes overnight parking. There are also rooms reserved for Saturday night at the same rate.

Attendees should reserve their own hotel rooms by calling the Peabody directly at the phone number listed above. When making a room reservation, ask for the American Society of Mechanical Engineers group.

Reservations must be made **by Fri. October 16<sup>th</sup>** in order to receive the group rate. After this date, the group rate will not be available.

Breakfast will be served on Saturday morning, at the Engineer's Club and a social will be held Friday evening.

**Registration Information**

The conference registration fee is \$40 per person. This will cover the Friday evening social as well as breakfast, lunch, and breaks at Saturday's meeting.

To register for the meeting, there are two options:

- 1) Complete the [registration form](#) online. Mail a check for the registration fee to Scott Walthour, see address below.
- 2) Print out the [form](#) from the web site and mail both the completed form and check for the registration fee to Scott Walthour.

Please remember to indicate which section you represent and the office or position you hold.

Make check payable to Scott Walthour and mail to:  
Scott Walthour  
1993 Alfalfa Court  
Marriottsville, MD 21104  
Tel: 571.212.9428

**Meeting Location:**

The Saturday meeting will take place at the Engineer's Club of Baltimore, an historical mansion, which is located directly across from the Peabody Hotel.

Please note, we regret to inform that there will be NO teleconferencing capabilities at this year's fall meeting.

**Support for Attendees:**

ASME will reimburse those who are attending who do not have other funds to support their attendance. Reimbursement includes travel costs (standard rate per mile plus tolls & parking) and a per diem (up to \$150.00) to help with hotel, meal and registration costs. Volunteer Travel Expense Forms will be distributed at the meeting.

We strongly encourage each section to send at least one representative, but better yet, having two or three representatives from each section will create a dynamic and balanced group. Consider carpooling with others from your section or sections on your way to the event. Hotel rooms can easily accommodate 2 people. Consider sharing a room to minimize expenses.

**Note:** This is a critical time for the Sections of ASME. We look forward to your help in planning for a positive future. That future will enable us to network with our peers and interact with the next generation of mechanical engineering students at our local colleges and universities. We look forward to seeing you at the meeting. Drive safely.



## GTUS COMES TO HOUSTON

The ASME International Gas Turbine Institute (IGTI) has announced the Gas Turbine Users Symposium 2009 for technical professionals interested in the latest practical information on gas turbine operations, maintenance, and design. The symposium will be held Sept. 14-17, at the George R. Brown Convention Center in Houston, Texas. The Gas Turbine Users Symposium (GTUS) will encompass four technical tracks covering turbine design,

operations and maintenance, technology advancements, and gas turbine environmental issues.

The program will include panel discussions, tutorials, and case studies. In addition, selected applications-oriented technical papers from the program of the 2009 ASME Turbo Expo will be presented. For registration information and detailed descriptions of the technical tracks, log onto [www.asmeconferences.org/gtus09](http://www.asmeconferences.org/gtus09).



**GTUS** GAS TURBINE USERS SYMPOSIUM  
Presented by the International Gas Turbine Institute

**ASME Gas Turbine Users Symposium 2009**  
Sept. 14-17, 2009 • Houston, Texas USA  
George R. Brown Convention Center  
Co-located with the 38th Turbomachinery Symposium

**VOTE NOW !!**

*The Future of ASME is in your hands!!!*

Names and Bios of Nominees for Society Office for terms beginning in June 2010 are available online at <http://www.asme.org/Governance/Nominating/>. Ballots are included in the September 2009 issue of Mechanical Engineering magazine and are due on or before Oct.23, 2009

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

## DONATE TO ASME WASHINGTON DC SECTION STUDENT SCHOLARSHIP FUND

Please make checks payable to: **ASME DC Scholarship Fund**

Mail checks to: **Boris Ciorneiu**  
**ASME DC Section Treasurer**  
**20069 Great Falls Forrest Dr.**  
**Great Falls, VA 22066**

*Please detach and include with your donation*

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