



# Washington DC Section Newsletter April 2010



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## ASME Washington Fellows Meeting

1. Andrew Blelloch, P.E.
2. Dr. Adam Christensen (Office of Congressman Jay Inslee)
3. Dr. Sridhar Kota (Office of Science and Technology Policy)
4. Andrew Walter (House Committee on Armed Services)
5. Daniel Zell, P.E. (Office of Congresswoman Betsy Markey)

**Date:** Tuesday, April 13, 2010      **Place:** Pier 7 Restaurant in the Channel Inn Hotel  
**Time:** 6:30 p.m.      Cash bar      650 Water Street SW  
7:00 p.m.      Dinner      Washington, D  
8:00 p.m.      Presentation      **Price:** \$30.00 per person

### Program:

Each year we have a dinner meeting with our ASME Washington Fellows who are assisting the government in analyzing technical issues. They give us some insights into what really happens when they bring some engineering thinking into the process.

### 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 April 9.

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.

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.

Our five Washington Fellows will give brief presentations followed by a roundtable discussion.

**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.

***Biographies of Dinner Panelists, and Ballot for Section Officers on Page 2***

## April 13, 2010 ASME DINNER PANELISTS (continued)

**Andrew Blelloch, P.E.** was in the process of selecting his assignment as our newsletter went to press. He was Director of Environmental Services for Louis Berger International until his retirement. He supervised projects in Africa, Asia, Latin America and Eastern Europe. Projects have included hydropower and nuclear power plants. He was Chairman of the ASME Material Division and ASME Coordinator for New Jersey. He is currently a member of the ASME Energy Committee.

**Dr. Adam Christensen** is working in the Office of Congressman Jay Inslee of Washington. He recently earned his Ph.D. in Mechanical Engineering from Georgia Tech. His doctoral research involved predicting the temperature distribution in high power electronics. While at Georgia Tech, he worked with Engineers With Borders to create their first official high school chapter in the United States.

**Dr. Sridhar Kota** is analyzing policies for advanced manufacturing at the White House Office of Science and Technology Policy. He comes to his Washington Fellow assignment from the University of Michigan, where he is a Professor. He started FlexSys Inc. a firm that develops fuel-efficient aircraft wings and high efficiency wind turbine blades based on shape adaptive design principles. He received the ASME Machine Design Award and the ASME Leonardo Da Vinci Award.

**Andrew T. Walter** is assigned to the House of Representatives Committee on Armed Services, where he is on the defense policy staff and the Subcommittee on Oversight and Investigations staff. Drew Walter comes to this assignment from the Strategic Studies Department of Sandia National Laboratories. At Sandia, he had led studies analyzing security systems for nuclear weapons. These studies included determining cost and effectiveness of new technologies.

**Daniel N. Zell, P.E.** is assigned to the staff of Congresswoman Betsy Markey of Colorado. He comes to his assignment from Dewberry, where he is a department manager and water resources engineer. He has done studies of flood hazards and risk assessment. He had served as a Peace Corps Volunteer in the Philippines and later as a consultant on water resources in Afghanistan. He had also participated in developing the first state water plan for Orissa, India, to aid in recovery from their cyclones of 1999.

## Ballot for Election/Reelection of Officers and Directors for Washington DC ASME Section

The terms for the officers and some directors of ASME Washington DC will be up on June 30, 2010.

Please cast your ballot for the following year 2010-12 slate nominated by the Nominating and Executive Committees, noting that write-ins are welcome. You may vote for some or all of the nominees, but only for a maximum of 5 Directors. Once your ballot is complete, please either print and mail a hard copy, or submit by email with all information to the Executive Secretary:

Andrea Gironda  
4909 Sunflower Dr.  
Rockville, MD 20853  
[Agironda@verizon.net](mailto:Agironda@verizon.net)  
(703) 489-9503

ASME Member Name: \_\_\_\_\_

ASME Member Number: \_\_\_\_\_

**yes no**

All of the Below

### Officers

- Chair:** Boris Ciorneiu  
  **Vice-chair** Siddiq Qidwai  
  **Treasurer:** Kaykham Sysounthorn  
  **Secretary:** Paul Bizot

### Directors

- Iheanyi Eronini  
  Gurmukh Mehta  
  Horace Whitworth  
  Ronald Rolfe  
  Rafael Mandujano  
  \_\_\_\_\_ (write-in)

**Note that the voting closes April 13, 2010**

**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*

Name/Organization  
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If organization, Responsible Officer  
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Thank you for your generous contribution of:

\_\_\_\_\_ \$100    \_\_\_\_\_ \$500    \_\_\_\_\_ \$1000

\_\_\_\_\_ other



**ASME Washington DC Scholarships**

The ASME Washington DC Section has been sponsoring the scholarship to support undergraduate Mechanical Engineering students at five (5) regional universities in the Washington DC area: Catholic University of America, George Washington University, Howard University, University of Maryland at College Park, and the University of the District of Columbia.

For the year 2009-10, the letter was sent out in February, 2010 requesting the Mechanical Engineering department heads to select and nominate one student from their respective institute based on criteria set by the Executive Board of DC Section. As of publishing this newsletter, the nominated recipients from the five universities are in process being received. These nominees will be invited to the Award Dinner event on April 29, 2010 where they will receive the cash prizes in honor of their superior achievements during academic career. The purpose of the scholarship is to encourage and promote the increasing role of young engineers in the Society.

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## **22<sup>nd</sup> 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](mailto:DeldaJ@asme.org), or visit [www.asmeconferences.org/bioprocess09](http://www.asmeconferences.org/bioprocess09)

## **Participation in 2010 Regional Science and Engineering Fairs**

As is the tradition every March, ASME Washington DC Section participated as a community organization in the 2010 edition of regional science and engineering fairs for middle and high school students. The section provided a cadre of volunteer judges and sponsored prizes for the first three-place winners at each fair. The wheels were set in motion in the beginning of February when ASME-DC registered as a participating organization in five regional fairs: Fairfax, Montgomery, Northern Virginia (Arlington), Prince George's and Washington DC. A call for volunteer judges soon went out through the mailing list and by word of mouth amongst colleagues. The response was immediate and enthusiastic, and teams of four to five judges stepped up for each fair. Every team had a designated lead judge and was provided with guidelines in judging the hard work of promising students.

This year's fairs were no different from previous years' in the abundance of innovative and creative projects. On one hand, it made the job of our judges pleasantly difficult but on the other it displayed the enthusiasm, dedication and skills of the students. As the results show, these particular traits were not limited to older students from high schools. In fact, middle schoolers appear prominently in the awardees list. At the end of each fair, the first and second place winners were provided with certificates of achievement and letters of invitation to the awards dinner event. The third place winners were given cash prizes immediately along with certificates and letters of appreciation. The awards dinner will take place on April 29 to award first and second place winners with cash prizes and to honor their achievements. Finally, ASME-DC Board of Directors would like to thank all judges for their efforts and valuable time. In recognition of their contribution, they are also invited as guests of the Section in the upcoming dinner.

## ASME Global Engineering Management Conference

"Tackling today's global management challenges"

Date: April 11-14, 2010

Site: The Fairmount, Dallas, TX

[www.asmeconferences.org/gemc10](http://www.asmeconferences.org/gemc10)

Developed by the ASME Management Division and refined by an Advisory Board of leaders in industry, the Global Engineering Management Conference (GEMC) will focus on knowledge transfer from best-in-class organizations and emphasize hands-on experiential learning. Attendees will benefit from unique insights into what engineering managers need to compete in an increasingly demanding global market place through a broad range of programming including:

\*Technical sessions focused on management approaches in today's economy. Critical subjects include, but are not limited to:

- Global Manufacturing & Management Challenges
- Managing & Developing Engineers
- Managing Your Ecological Footprint in the Energy & Environmental Era

\*Continuing education unit (CEU) accreditation tutorial on Strategic Management

\*Structured networking event

\*Tours include the new Dallas Cowboys football stadium and Texas Instrument's new green LEED facility

For further information and to register, please visit: [www.asmeconferences.org/gemc10](http://www.asmeconferences.org/gemc10)

Questions? Please contact: Howard Berkof at [berkofh@asme.org](mailto:berkofh@asme.org) or 585.259.5150.

# LEARN MORE, EARN MORE IT'S THAT SIMPLE!

- Is your job market becoming saturated?
- Do you need a promotion or raise?
- Do you see career growth in what you are doing now?
- Are you the only engineer in your company without an advanced degree?
- Would you be marketable in a job search?

#### Program Options

Aerospace Engineering  
Chemical Engineering  
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Electrical & Computer Engineering  
Energetic Concepts  
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Reliability Engineering  
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Systems Engineering

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Class Locations:  
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