



Washington DC Section

Newsletter

February 2008



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ASME DC Fellows Meeting - March 25, 2008

ASME Washington Fellows Dinner

Date: Tuesday, March 25, 2008

Time: 6:30 p.m. Cash Bar
7:00 p.m. Dinner
8:00 p.m. Presentation

Location: Market Inn
200 E Street, SW
Washington, DC

Cost: \$25 per person

RSVP: To make reservations, contact ASME Washington DC Section Executive Secretary Andrea Gironda by telephone (703-489-9503) or email agironda@verizon.net by March 20.

Menu: Choice of Salmon or Cajun Chicken Breast

Program:

1. George A. Borlase (Office of Science and Technology Policy)
2. Daniel Deckler (House Committee on Science and Technology)
3. Philip Grossweiler (Office of Congresswoman Heather Wilson)

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.

1. Dr. George Borlase, P.E. is an advisor to the White House Office of Science and Technology Policy. Before his Fellow assignment, he was a staff member in the National Security Technology Department at the Johns Hopkins University

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Come Join Us for 'Discover Engineering Family Day' at the National Building Museum

Saturday, February 16, 2008
10:00 am - 4:30 pm

The National Building Museum and the National Engineers Week Foundation welcome families, scout groups, and all curious visitors to debunk the myths of engineering and discover how professional engineers turn an idea into reality. Kick off and celebrate National Engineers Week by participating in this free, hands-on and fun-filled festival for all ages!

Meet Nate Ball, host of PBS's Design Squad, and watch as he rappels from the National Building Museum's roof trusses using his new invention—the ATLAS powered rope ascender. Build your very own ascender, capable of carrying a ping pong ball four feet down a zip-line (made of fishing line).

- Throughout the day children and adults can:
- * EXPLORE the inner-workings of a real race car
 - * DESIGN, test and build a railroad bridge
 - * BUILD paper airplanes with the Smithsonian National Air & Space Museum
 - * TAKE your Polaroid picture with Digit™ from the PBS series Cyberchase
 - * CUT a paper snake and see it spiral
 - * CREATE a flinker, something that neither floats nor sinks
 - * MAKE your very own parachute and watch it hover
 - * SOLVE unique and intriguing design and engineering challenges
 - * Try much, much more!
- <http://www.nbm.org/Events/defd.html> for info

ASME – ASME Auxiliary *FIRST* Clark Scholarship



Are you a *FIRST* Robotics volunteer? Did you know that the ASME Foundation and the ASME Auxiliary sponsor a scholarship specifically for HS seniors who are on a *FIRST* Robotics team? If yes, this information is for you!

About the Award

The purpose of the *FIRST* Clark Scholarship is to recognize and reward students whose *FIRST* experience has inspired the pursuit of an engineering career. In 2008, The ASME Foundation and the ASME Auxiliary will award ten (10) \$5,000 scholarships to high school seniors active on *FIRST* teams, who are nominated by ASME members, ASME Auxiliary members, or student members who are also active with *FIRST*. These awards will be for the freshman year of study (non-renewable) in an accredited mechanical engineering or mechanical engineering technology program. The recipients will be announced at the *FIRST* National Championship.

Nomination and Student Eligibility

Members of ASME, including ASME Auxiliary members and student members, may nominate no more than one student each. Students must be:

- Graduating high school seniors active on *FIRST* teams
- Planning to enroll full-time in an ABET-accredited or substantially equivalent mechanical engineering or mechanical engineering technology program, no later than the fall after their senior year in high school.

APPLICATION DEADLINE: MARCH 15, 2008

For more information, on this or other ASME financial aid opportunities, visit our web site at:
http://www.asme.org/Education/College/FinancialAid/Auxiliary_FIRST_Clarke.cfm

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?

The A. James Clark School of Engineering is the highest-ranked engineering graduate school in the region and ranked No. 16 in the nation by *U.S. News & World Report*. With those credentials, it's the perfect choice for advancing your career and keeping you current with the latest technological developments in your field or in transferring to a new area of expertise.

Master of Engineering (30-credits)
Graduate Certificate in Engineering (12-credits)
Custom Short Courses, Workshops, License Reviews

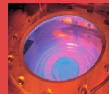
Program Options

Aerospace Engineering
Chemical Engineering
Civil & Environmental Engineering
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Environmental Engineering
Fire Protection Engineering
Materials Science & Engineering
Mechanical Engineering
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A. JAMES CLARK
SCHOOL OF ENGINEERING

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Honoring Mechanical Engineering Achievements

ASME's History & Heritage

(www.asme.org/Communities/History/Landmarks/) program is always on the lookout for new landmarks. Landmarks are those single achievements that represent significant changes in how things are done. This can be a new technology, a major improvement in an existing technology, or a significant new application of a technology. Think you've got one in your backyard? Let us know! Contact Edward Kudlis at kudlise@asme.org for more information.

You can advertise in this newsletter!

one time/alternate months/every issue*

Full page	-	\$400/\$1500/\$2700
Half page	-	\$250/\$1000/\$1800
Quarter page	-	\$150/\$500/\$900
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*50% discount on 'New Position Open' ads

REVIEW COURSES FOR
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AND
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Register now for classes beginning on

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SEPTEMBER 6, 2008

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Materials/problems based on guidelines from the National Council of Examiners for Engineering and Surveying (NCEES)*

~ Fellows Dinner from page 1 ~

Applied Physics Laboratory (JHUAPL), where he evaluated threats in support of the US Navy Nuclear Weapon Security program. Prior to working at JHUAPL, George spent ten years on active duty in the US Coast Guard, where he was a regulator in the Marine Safety program. His work included forensic investigations into accidents, including the worst domestic fishing vessel accident in the last half-century. He served as the chair of a Society of Naval Architects and Marine Engineers panel reviewing changes in Coast Guard policy regarding passenger loading. He earned his BS degree in Mechanical Engineering from the US Coast Guard Academy, an MSE in Mechanical Engineering and Naval Architecture/Marine Engineering from the University of Michigan, and a PhD in Mechanical Engineering from Catholic University of America.

2. Dr. Dan Deckler, P.E. is assigned to the House Committee on Science and Technology where he is analyzing various issues, including globalization, nanotechnology, and climate change. He is a Professor of Engineering at The University of Akron Wayne College and is currently on sabbatical. He graduated from Ohio Northern University in 1985 with a bachelor's degree in mechanical engineering. While an undergraduate Dan worked for Rockwell International in Downey, California where he worked on both the space shuttle and space station projects. After graduating, he worked for The Timken Company in Canton, Ohio and Loral Defense Systems in Akron, Ohio from 1985 to 1991. While at Loral he was an engineer on various antisubmarine warfare projects and the F-15 flight simulator. During this time he obtained his master's degree in mechanical engineering from The University of Akron. In 1991 he joined The University of Akron Wayne College engineering faculty. In 2002 he obtained his Ph.D. in engineering from The University of Akron. His dissertation was in the area of controllable bearing technology.

3. Phil Grossweiler is a technical advisor to Congresswoman Heather Wilson of New Mexico. This has included energy security, with an emphasis on applying systems approaches and on integrating national

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security issues and economic constraints into energy security planning. Before his Fellow assignment he was a consultant in the energy industry with concentration on business and technology issues related to marine gas transportation and liquefied natural gas projects. He worked for 23 years at Exxon in domestic and international affiliates. His Exxon assignments included responsibilities as Project Manager, Project Engineer, Research Team Leader, Business Analyst, and Operations Research Analyst. He worked on Prudhoe Bay Alaska Oil Field issues for 10 years serving on the Prudhoe Operations Subcommittee, on Project Teams implementing capital projects and on joint partner teams studying options to commercialize Alaskan natural gas resources. He worked for Esso Norway for 8 years in Corporate Planning and coordinated engineering studies for gas field developments including options for CO2 capture and sequestration. He served as a Naval Engineer in the US Coast Guard for 11 years. He graduated from the U.S. Coast Guard Academy (BS) and MIT (MS degrees in Ocean Engineering and Mechanical Engineering).

Directions:

The restaurant is located near NASA, two blocks from the Federal Center Southwest Metro stop. There is ample free parking either on the street (after 6:30 p.m.) or in the Market Inn's valet parking lot. Patents. For more information on the event, please see the Baltimore Section Website <<http://sections.asme.org/baltimore/>> and the February Newsletter.

ASME ACCEPTING APPLICATIONS FOR 2008-09 FEDERAL GOVERNMENT FELLOWSHIPS

ASME is currently accepting applications for the following Federal Government Fellowship positions:

Congressional Fellowships

ASME is accepting applications from qualified candidates interested in serving as a 2008-09 Congressional Fellow. The Federal Fellows program enables selected ASME members to spend one year in Washington, D.C. working with the staff of a congressional committee, U.S. senator or U.S. Representative. Federal Government Fellowships provide a valuable public service to the nation while providing engineers with a unique opportunity to participate directly in the policy making process. Congressional Fellows may serve from September 2008 through August 2009 - or January 2009 through December 2009 - at their option. The deadline to submit an application for the Congressional Fellowship is April 1, 2008.

Department of Commerce Fellowship

ASME is also accepting applications from qualified candidates interested in serving a year at the U.S. Department of Commerce in the Manufacturing and Services (MAS) Office of Standards Liaison (OSL). The Fellow will work with U.S. stakeholders involved in the standardization process, including individual companies, industry associations, standards developing organizations, and the American National Standards Institute on trade-related standards issues affecting U.S. competitiveness, innovation and growth. OSL works on issues involving all sectors and in all overseas markets, although there is a greater focus on emerging and technology-related sectors and critical markets such as Europe and China. Applicants for this position must have strong technical, interpersonal, organizational, and oral and written communication skills, as well as substantive knowledge or experience in an industry sector and the standardization process. The start date for the DOC fellowship is flexible.

A stipend of \$55,000 will be awarded to each Fellow for the year. All Fellowship applicants must be a U.S. citizen and an ASME member at the time of application. The following credentials are encouraged: At least five years of professional experience, an advanced engineering degree, professional engineer registration, and some public policy experience. An online application is available at <https://secure.asme.org/fedgovfellows/appform.cfm>

For additional information about the Federal Fellows program, visit http://www.asme.org/NewsPublicPolicy/GovRelations/Programs/Federal_Government.cfm or contact Kathryn Holmes, director, ASME Government Relations, at holmesk@asme.org or 202/785-7390.



Washington DC Engineers Week 2008 Activities

DC Council of Engineering and Architectural Societies

DCCEAS

www.dcceas.org

www.eweek.org

Engineers & Architects Day Luncheon

Wednesday, 20 February 2008, 11:30 am

Pier 7 Restaurant

650 Water St SW, Washington, DC, 202-554-2500

Complimentary 3 hours of parking, or walk from the Waterfront Metro Station.

Join us to proclaim Engineers Week in the Washington DC area!
Luncheon speaker: Mr. Rolf Dietrich, P.E., Deputy Director of Research,
DHS Science and Technology Directorate

TICKETS: \$25.00 PER PERSON, OR TABLES OF 10: \$250.00 *

Awards Banquet

Saturday, 23 February 2008, 6:30 pm

Lincoln Ballroom at Crowne Plaza Hotel, Silver Spring

8777 Georgia Avenue, Silver Spring, MD 20910, 301-589-0800

4 Blocks from the Silver Spring Metro Station. Free parking behind the hotel.

Keynote Speaker: Dr. Robert Marlay P.E., Deputy Director, US Climate Change Technology Program, Department of Energy. The program includes DCCEAS awards for the Engineer, Young Engineer and Architect of the Year. The DC Region's winning team at the Future Cities Competition will also be recognized at the banquet.

TICKETS: \$45.00 PER PERSON, OR TABLES OF 10: \$450.00 *

- **Reservations for both luncheon and banquet are due by February 15, 2008**
 - **Checks should be made out to DCCEAS**
 - **Please mail checks to Ms. Iris Darby, DCCEAS Treasurer,
Email:mmsme@hotmail.com, phone: 703-696-1431 (o)**

Mailing Address: DCCEAS
PO Box 18842
Washington, DC 20036-8842

For each banquet reservation, please specify one of three dinner entrées: 1) Breast of Chicken, 2) Salmon Fillet, or 3) Vegetarian. If no preference is specified, the default choice of Breast of Chicken will be assumed.

***No Shows Will Be Billed**

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 Drive
 Great Falls, Virginia 22066

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