Washington DC Section
Newsletter
October 2010

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TECHNICAL PRESENTATION

October 12th, 2010, 6:30 PM

The ASME Washington DC section has invited Mr. Eric Smith to deliver a technical presentation on:

"Advanced joule heated glass melting for radioactive waste treatment"

Mr. Eric C. Smith is a Senior Principal Engineer at Energy*Solutions (www.energysolutions.com)* in Columbia, MD, where he is dealing with delivering engineering solutions for many difficult nuclear waste retrieval/treatment problems.

He received a Bachelor in Chemical Engineering from Georgia Tech in 1986 and has extensive experience on nuclear waste management and other nuclear fields as follows:

1986 – 1993: Lead Test Engineer, Norfolk Naval Shipyard; Navy submarine nuclear power plant overhaul and testing.
1993 – 1996: Senior Process Engineer, West Valley Demonstration Project, High Level Waste (HLW) sludge transfer and vitrification; establishment and commissioning of programs.
1997 – Present: Senior Principle Engineer: EnergySolutions; Lead engineer for design of processes and equipment to retrieve and stabilize nuclear waste (HLW and LLW).

The presentation will be held at SAIC - 4001 North Fairfax Drive, Suite 175, Arlington, VA 22203. Free parking is available on the street after 6:00 PM. The location is also accessible by metro (Orange Metro Line – Ballston MU Station)

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 by October 12.

Attend ASME Boiler and Pressure Vessel (BPV) Code Week in Vancouver

The upcoming ASME Boiler and Pressure Vessel Code Week will be held in Vancouver, British Columbia, Canada, from Oct. 31 to Nov. 5 at the Westin Bayshore Hotel. Various committee meetings will be held during the week to discuss the ASME requirements for boilers, pressure vessels and nuclear power plant components.

A series of educational workshops will be offered in conjunction with the Code Week meetings. The Workshops are presented by Code experts covering current topics related to the design of boilers, pressure vessels, and nuclear power plant technologies.

Each workshop is 2 hours in duration and requires advance registration of $145 per workshop. CEU certificates will be awarded following the event

Workshops include:

- General Requirements of the ASME Code Section III Nuclear Design Process
- An Overview of Inspection and Life Assessment Issues Related to Creep Strength-Enhanced Ferritic (CSEF) Steels
- Selection and Application of Materials for Power Piping Systems
- Polyethylene Pipe as a Replacement Water Pipe in Nuclear Power Plants
- Secrets to using ASME Section IX: Welding and Brazing
- Fatigue Methods in Part 5 of Section VIII, Division 2
- ASME B31.1, B31.3, and SC III NC/ND-3600: Flexibility Analysis and Effective Stresses - - What are they and why are they Significant?
- How to Determine Design Conditions for Piping Systems
- Design Examples in Stress Categories and Tube-to-Tubesheet Junctions
- Compressive Stress in the ASME Codes

Workshop attendees will also have an opportunity to meet and interact with more than 500 industry's experts who will be participating in the Code Week committee meetings, which are open to the public. Participation is encouraged.

To learn more about the ASME Code Week & Workshops, visit the website at http://events.asme.org/BCW or contact Jennifer Delda, program manager, at (212) 591-7108 or deldaj@asme.org

2010 ASME BOILER PRESSURE VESSEL CODE NOW AVAILABLE

The 2010 edition of the ASME Boiler and Pressure Vessel Code, including updates and revisions to meet changes industry practices, is available for purchase.

The code establishes rules of safety relating to the design, construction, operation, testing, and maintenance of boilers, transport tanks, nuclear power plant components, and other pressure systems.

Previously issued in 2007, the new code incorporates many changes that reflect advancements in design, materials, construction methods, and applications. The 2010 edition contains changes and revision in eleven of its twelve sections, including new specification and rules addressing nondestructive evaluation, nuclear components, welding and brazing, and ferrous and nonferrous materials.

For more information on the ASME BPVC and for orders and details, visit:

http://campaign.asme.org/bpvc10/home.cfm?track=go.asme.org

DONATE TO ASME WASHINGTON DC SECTION STUDENT SCHOLARSHIP FUND

Please make checks payable to:
ASME DC Scholarship Fund

Mail checks to: **Kaykham Sysounthorn**
ASME DC Section Treasurer
3900 Fairfax Dr. Apt. 406
Arlington, VA 22203

Please detach and include with your donation

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http://professionalpractice.asme.org

Celebrating and Honoring ME History On the Shoulders of Giants

ASME's History and Heritage Committee has launched a semiannual newsletter entitled, "On the Shoulders of Giants."
The goal of the newsletter is to share resources and ideas that will provide a roadmap to creating an effective history and heritage program.

The first edition includes articles on:

- The designation ceremony to recognize the development of the Multi-Zone Automatic Temperature Control System by Johnson Controls, ASME's 244th landmark: http://www.asme.org/Communities/History/Landmarks/244_Automatic_Temperature.cfm
- ASME's Engineer-Historian Award: http://www.asme.org/Governance/Honors/UnitAwards/EngineerHistorian_Award.cfm
- A list of targeted areas for future ASME landmark nominations
- An article entitled 'Great ME's of the Past' that featured Edwin Reynolds, ASME's 21st president (1902-03) who held more than 40 patents, including one for the first cross-compound hoisting engine for mining work

ASME's history and heritage program was established in 1971 to encourage public understanding of mechanical engineering, foster the preservation of ME heritage and help engineers become more involved in all aspects of history.

To view the newsletter please visit:
http://www.asme.org/Communities/History/Newsletter

To learn more about preserving and honoring the important and exciting history of mechanical engineering, please visit:
http://www.asme.org/Communities/History/

ReSET Organization Seeking Volunteers

ReSET is a non-profit organization that places volunteer scientists and engineers in Washington DC area elementary school classrooms to lead students in science and math experiments. Their goal is to show students that science and math learning is exciting and enjoyable, with the long term objective of building America's science and engineering workforce of the future. ReSET currently volunteers in 25 schools in Washington DC, Maryland and Virginia, and would like to reach more students by increasing the number of volunteers.

For information about becoming a ReSET volunteer please contact John Meagher, ReSET Executive Director, at (703) 250-0236 or johnmeagher@cox.net.

Visit www.resetonline.org

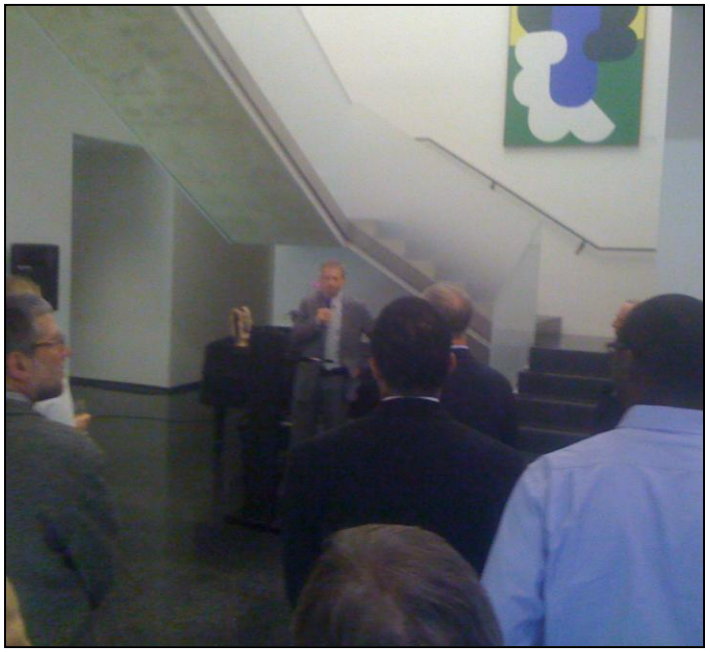
Reception at the Swiss Ambassador's Residence

The Washington Section of ASME enjoyed a reception at the Swiss Ambassador's Residence on the evening of Wednesday, September 29. We were joined at the event by the D.C. Society of Professional Engineers, the Washington Alumni Chapter of Tau Beta Pi, and the Association for Advancement of Cost Engineering - National Capital Section.

Our host was Christoph Ebell, the Embassy's Counselor for Science and Technology. He heads the Office of Science, Technology and Higher Education of the Embassy of Switzerland in the United States. He spoke to us about research and engineering in Switzerland.

The evening included a buffet of Swiss food and wine. Our members had an opportunity to talk with the Embassy staff, other engineers, and their guests.

Photos from the event are shown to the right.



Your Assistance Needed to Monitor Licensing Requirements!

We are seeking your assistance in monitoring legislative proposals that may come before your state legislature or engineering licensing board that could change the current education requirements.

BACKGROUND:

In 2006, the National Council of Examiners for Engineers and Surveyors (NCEES) adopted a change to the Model Law for professional engineers to require, after the year 2020, a master's degree in engineering or bachelor's degree plus 30 additional credits as a prerequisite for licensure as a professional engineer. The NCEES claims that it was motivated to add additional credits due to the decline in university and college requirements for a bachelor's degree in engineering from an average of 144 credits 25 years ago to an average of 128 credits today. NCEES is calling its initiative "Masters or Equivalent" or MOE and is contained in their "Model Law 2020."

ASME's POSITION:

ASME opposes a mandatory, across-the-board requirement of BS+30, beyond the "First Professional Degree" currently decreed by tradition and practice.

ASME believes that the typical scope of an ABET Accredited bachelor's degree can be and has been demonstrated to accommodate technical breadth and flexibility and the intellectual skills necessary for engineering graduates to attain licensure as a Professional Engineer. There is also no clear benefit to requiring the BS+30, but there is considerable cost that will affect both firms and individuals (tuition, time off, fees, books, commuting, etc.)

The ASME Board of Governors has taken a position in favor of maintaining the current education requirements for obtaining a professional engineer's license in the United States. Their general position paper entitled "Mandatory Educational Requirements for Engineering Licensure" (PS#08-18) is available on the ASME Government Relations website at http://files.asme.org/asmeorg/NewsPublicPolicy/GovRelations/PositionStatements/14652.pdf

LICENSING THAT WORKS COALITION:

For the past few years, ASME has been actively working with the following organizations, representing more than 300,000 engineers, to oppose BS+30:

- American Institute of Chemical Engineers (AIChE)
- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
- Executive Board of the ASEE Engineering Deans Council
- Illuminating Engineering Society (IES)
- Institute of Industrial Engineers (IIE)
- International Society of Automation (ISA)
- Society for Mining, Metallurgy, and Exploration Inc. (SME)
- The Minerals, Metals and Materials Society (TMS)
- The Society of Naval Architects & Marine Engineers (SNAME)

Information on this inter-society effort is available at www.licensingthatworks.org.

CALL TO ACTION:

If you learn that **Model Law 2020 or MOE or BS+30** is going to be considered by your state legislature or licensing board, please contact Dave Soukup, managing director, Centers on the ASME staff soukupd@asme.org or (212) 591-7397 or Kathryn Holmes, director, ASME Government Relations at holmesk@asme.org or (202) 785-7390.

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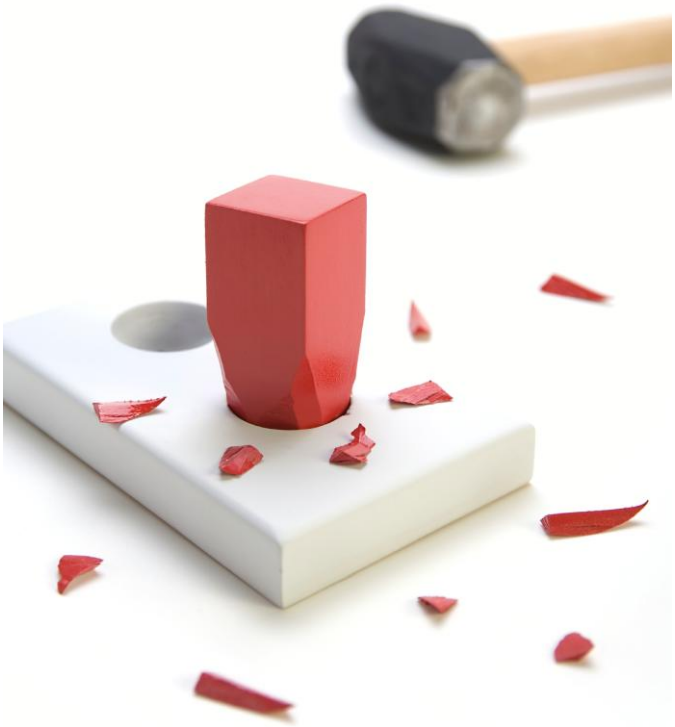

Got a better idea? Let's see it!

Student Teams Wanted: 2011 ASME IShow

Saturday, June 11, 2011? Intercontinental Hotel? Dallas, TX

We're looking for you: creative, entrepreneurial students with a new innovation that you're ready to take to the next level. The ASME IShow provides a platform for top collegiate teams to compete for seed money to further develop their product.

Submit Team Applications Sept 15 - Jan 10, 2011

www.asme.org/events/ishow