

*The*



# *Tumbleweed*

<http://midcolumbia.ashraechapters.org>

## ***Don't Miss This Month's Event***

March 13, 2007

Lunch Meeting

## **Green Design and Sustainability**

Details on page 3

## **ASHRAE Member Won 2006 Tri-Cities Engineer of the Year Again**

The Mid-Columbia Chapter of ASHRAE had a table of members and guests at the Engineers' Week Banquet hosted by the Tri-Cities Chapter of the Washington Society of Professional Engineers (WSPE) at the Shilo Inn. There were presentations of how engineers do make a World of Difference including awards won by future scientists and engineers. The 2007 Tri-Cities MathCounts Champions from Enterprise Middle School were introduced as were the Washington State champions of the Future Cities Competition (St. Patrick's School from Pasco). A presentation of the FIRST Lego League which had a competition in the Tri-Cities area for the first time was followed by the Tri-Cities Technical Council awards. Mr. Sid Morrison in his talk entitled "Engineering Our Future" issued several challenges to the engi-

neers present and in the future. This was followed by the presentation of the Tri-Cities' Engineer of the Year (EOY) nominees by ASME whose nominee was Mr. Douglas Reid of PNNL. IEEE nominated Mr. Rob Pratt also of PNNL while our own Lois Payne presented Mr. **Gil Hibbs** as the ASHRAE nominee. When Mr. Ted Anderson of WSPE announced the winner to be Mr. Gil Hibbs, Gil was quite surprised and overwhelmed. He spoke of how he was humbled by the Award and that he wanted to share it with all of the engineers he had worked with over the years. The "Clark Kent" of ASHRAE and a Principal Engineer with SCM Consultants came through the evening with flying colors and made the ASHRAE nominee a "hat-trick winner" of the EOY award.

— Sriram Somasundaram and photo by Wei Jiang.

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**Gil Hibbs and his wife at the Engineer's Week Banquet after winning the 2006 Tri-Cities EOY Award.**



Chapter President Bing Liu

## Message from the President

I was thrilled when Mr. Ted Anderson announced the winner of the 2006 Tri-Cities Engineer of the Year Award was Mid Columbia ASHRAE Chapter's nominee, Mr. **Gil Hibbs**, at the National Engineer's Week Banquet on Friday, February 23. It was the third time in a row that our chapter's nominees have received this Award, following Mr. Ron Jarnagin and Dr. Sriram Somasundaram, who won the same Award in 2004 and 2005, respectively. This is a significant honor and a measure of respect for the broad range of technical, professional, and community related activities that our local ASHRAE members have been involved in. Special thanks to Lois Payne for preparing and submitting Gil's nomination package, and to Dale Green for laying out and printing Gil's poster.

This month's lunch meeting will feature a presentation by **ASHRAE's Distinguished Lecturer Mitchell Swann** at the Clarion Hotel. I talked with Mr. Swann at ASHRAE's Winter Meeting in Dallas in January and he shared with me some of his thoughts regarding the engineers' liability to design green buildings or LEED® certified buildings. Mitchell has over 20 years of experience in the areas of management, engineering and construction for a wide array of clients in diverse industries in the USA and abroad. His lecture will identify and analyze the typical issues which impact the achievement of sustainable design and operation.

So mark your calendar for March 13 and join us having a lunch with a high quality technical meeting!

*Bing*



## News You Can Use

### Expanding Your Horizons

The Expanding Your Horizons (EYH) conference will be on April 14<sup>th</sup> at WSU Tri-Cities. In Richland, the EYH conference is jointly sponsored by members of Eastern Washington section of the Society of Women Engineers, American Association of University Women and Math Engineering Science Achievement. This is a one day conference for middle school girls. The goal of EYH is to increase the interest of young women in math and science by providing exciting and fun hands-on learning experiences. Girls will attend a keynote presentation by Battelle chemist Dr. Novella Bridges, as well as four workshops of their choice on various careers for women. In most of the workshops, young women participate in hands-on learning experiences led by women scientists, mathematicians, and engineers. In other workshops, role models share career awareness information and discuss job satisfaction, necessary education, and descriptions of a typical day on the job. There is a registration fee of \$10 per girl and lunch will be provided. A "parents workshop" is also being planned as part of the conference.

Contact Jorge Moreno at [jomoreno\\_mesa@tricity.wsu.edu](mailto:jomoreno_mesa@tricity.wsu.edu) or (509) 372-7244 for more information or to register. Hope to see you (and your daughter) there!

Any help you or your members can offer will be much appreciated. Educating young women about career possibilities and "how to get there from here" is incredibly important, both to the individual girls and society as a whole. One of our workshop presenters attended an EYH conference while she was in middle school and now enthusiastically helps to promote her own career to the girls.

Feel free to contact Alicia Boyd, Vice President for the Eastern Washington section of the Society of Women Engineers, for any information at [boyd.alicia@epa.gov](mailto:boyd.alicia@epa.gov) or 509-376-4919. Any donations may be sent to YVTC MESA Programs, Washington State University Tri-Cities, 2710 University Drive, Richland, WA 99352. Checks should be made payable to: YVTC MESA/Expanding Your Horizons Conference 2007.



## March Lunch Meeting

# Green Design and Sustainability – Un-definable Success in a Defined World

by E. Mitchell Swann, ASHRAE Distinguished Lecturer

The marketplace has embraced ‘sustainability’ as a value-added feature in design, construction and operations. However, sustainability is not necessarily a ‘line item’ technology which can be added or deleted at will like the substitution of ceramic tile for sheet vinyl. If sustainability is value-added, then it is desirable and as such, would be designated as a term of the project contract. If so, what parameters should be used to measure compliance with that portion of the contract? Given the interrelationship of design, construction and operation on actual building performance, how are these interrelationships factored into the issues of contract compliance? If sustainability does have a value, a failure to achieve ‘it’ in a completed project should diminish the project value relative to the contract. The program will identify and analyze the typical issues which impact the achievement of sustainable design and operation and provide a framework in which to assess value for those issues.



E. Mitchell Swann, P.E., MDC Systems, LLC, Berwyn, PA (Philadelphia) has over 20 years of experience in the areas of management, engineering and construction for a wide array of clients in diverse industries in the USA and abroad. He has authored several articles on issues in professional practice including the “Standard of Care and Consequential Damages” and is a co-author of the “ASHRAE Survival Guide to Design/Build.” Mr. Swann is active in several Technical Committees within ASHRAE, including TC 1.7-General Business, Management and Legal Education, TC 2.8-Sustainable Design, etc. He is also a member of ISPE and the ABA where he is vice-chair of the Alternative Dispute Resolution Section Committee on Construction.

**Where:** Clarion Hotel Conference Room  
1515 George Washington Way, Richland, Washington

**When:** Tuesday, March 13, 2007  
11:45 PM: Social Hour  
12 Noon: Lunch and Presentation

**Cost:** \$15

**RSVP:** Lois Payne at (509) 373-2259 or lois.payne@rl.gov  
No Later Than 3:00 PM, Friday, March 9, 2007

\*A reservation made is a reservation paid.

## Program Calendar (2006—2007)

**September 12, 2006:** *25th Anniversary Cruise*

**October 10, 2006:** *National CAD Standard Basics, Carl Brenneise, P.E.*

**November 14, 2006:** *Tour of the Integrated Energy Operations Center (IEOC)*

**December 12, 2006:** *Moving from Blue to Green: ASHRAE’s Journey to Sustainability, Ron Jarnagin, PNNL*

**January 16, 2007:** *Role of Controls for Acceptable IAQ, Kent Peterson, ASHRAE Distinguished Lecturer*

**February 23, 2007:** *Engineers’ Week Banquet*

**March 13, 2007:** *Green Design and Sustainability, E. Mitchell Swann, ASHRAE Distinguished Lecturer*

**April 10, 2007:** *Boilers, Ray Garner*

**April 18, 2007:** *Indoor Air Quality, Satellite Broadcast*

**April 25, 2007:** *Workshop on Commissioning*

**May 9-16, 2007:** *Region XI CRC*

**May 23, 2007:** *ASHRAE’s Sustainable Future, ASHRAE President Terry Townsend*

**June 12, 2007:** *Golf Tournament for RP Fundraising*

## Mid-Columbia ASHRAE Chapter

### 2006-2007 Officers/ BOG

President (509) 375-3710	Bing Liu <a href="mailto:bing.liu@pnl.gov">bing.liu@pnl.gov</a>
President-Elect (509) 373-2259	Lois Payne <a href="mailto:lois_payne@rl.gov">lois_payne@rl.gov</a>
Secretary (509) 735-1589	Jay Ashbaugh <a href="mailto:jpashbaugh@meierinc.com">jpashbaugh@meierinc.com</a>
Treasurer (509) 372-6256	Wei Jiang <a href="mailto:wei.jiang@pnl.gov">wei.jiang@pnl.gov</a>
BOG Member at Large (509) 527-7540	Carl Brenneise <a href="mailto:carl.b.brenneise@nww01.usace.army.mil">carl.b.brenneise@nww01.usace.army.mil</a>
BOG Member at Large (509) 735-1589	Dale Green <a href="mailto:degreen@meierinc.com">degreen@meierinc.com</a>
BOG Member at Large (509) 783-1625	Gil Hibbs <a href="mailto:gilh@scm-ae.com">gilh@scm-ae.com</a>

### Committee Chairs

Membership (509) 735-1589	Steve Strecker <a href="mailto:sjstrecker@meierinc.com">sjstrecker@meierinc.com</a>
Research Promotion (509) 783-1625	Gil Hibbs <a href="mailto:gilh@scm-ae.com">gilh@scm-ae.com</a>
CTTC (509) 373-2259	Lois Payne <a href="mailto:lois_payne@rl.gov">lois_payne@rl.gov</a>
Honors & Awards (509) 375-3710	Bing Liu <a href="mailto:bing.liu@pnl.gov">bing.liu@pnl.gov</a>
Newsletter (509) 375-6842	Sriram Somasundaram <a href="mailto:sriram.somasundaram@pnl.gov">sriram.somasundaram@pnl.gov</a>
Historian (509) 375-1020	Rich Evans <a href="mailto:richevans1@juno.com">richevans1@juno.com</a>
Web Page (509) 372-6256	Wei Jiang <a href="mailto:wei.jiang@pnl.gov">wei.jiang@pnl.gov</a>

*The Mid-Columbia Chapter of the American Society of Heating, Refrigerating and Air Conditioning Engineers was chartered in 1981 in Richland, Washington. We are part of ASHRAE Region XI and represent ASHRAE members in Eastern Washington State.*

### Help Sponsor our Website with a Business Card Ad

How would you like to place your business card in front of more than seventy eastern Washington ASHRAE members? For a low \$10 an issue, we can place your business card with company logo in a prominent location in our newsletter.

Interested??? Contact  
Wei Jiang at (509) 372-6256  
[Wei.jiang@pnl.gov](mailto:Wei.jiang@pnl.gov)

### Important Notice About Future Meeting Dates

The dates for the Winter and Annual Meetings in 2007, 2008 and 2009 are:

- **2007**, Jan. 27–31 in Dallas, and June 23–27 in Long Beach, Calif.;
- **2008**, Jan. 19–23 in New York, and June 21–25 in Salt Lake City, Utah.
- **2009**, Jan. 24–28 in Chicago, and June 20–24 in Louisville, KY.

