

The



Tumbleweed

<http://www.midcolumbia.ashraechapters.org>

Don't Miss This Month's Event

March 15, 2006

Come to meet ASHRAE
Society President
Lee Burgett



And discuss the
"Specification Enforcement Affects You"
With Traci Hanegan

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ASHRAE Member Won 2005 Tri-Cities Engineer of the Year Award

This year's theme for the Engineers' Week was "Connecting Educators to Engineering". This year the Society of Women Engineers (SWE) teamed with the National Society of Professional Engineers to sponsor Engineers Week across the nation. The local section of SWE as well as the Tri-Cities chapter of the Washington Society of Professional Engineers hosted the banquet here in the Tri-Cities at the Shilo Inn, Richland.

We were extremely fortunate to have Dr. Bonnie Dunbar as our featured speaker. She grew up in Outlook, Washington (near Sunnyside) and became one of the most experienced female astronauts in the world. She recently resigned from NASA to serve as President and CEO of the Museum of Flight in Seattle. It was exciting to learn about her and about her career. Her message included a very impressive slide show starting with

shots of the Post Office where she grew up (Outlook, Washington, near Sunnyside) to the NASA launching pad, arriving at the *Mir* space station, laboratory research inside the station, views of the earth as her space shuttle came back into the atmosphere, and finally her vision for the Museum of Flight as an educational tool for our young scientists and engineers.

As part of the Engineers' Week celebration, the Tri-Cities chapter of the Washington Society of Professional Engineers selected **Dr. Sriram Somasundaram**, our chapter nominee, as the 2005 Tri-Cities Engineer of the Year. It is the second year in a row for our chapter members to win this award. Another active ASHRAE member, Mr. Ron Jarnagin, won this award last year.



Dr. Bonnie Dunbar made a wonderful presentation at the Engineer's Banquet.



Dr. Sriram Somasundaram gave an acceptance speech after winning the award.



Chapter President Dale Green

Message from the President

President Lee Burgett's visit.....

I want to extend my congratulations to Sriram Somasundaram. If you did not attend the Engineers Week Banquet, Sriram was awarded the Tri-Cities 2005 Engineer of the Year Award. This is the second year in a row in the Mid-Columbia Chapter of ASHRAE has nominated the winning entry for the Tri-Cities Engineer of the Year award. The selection criterion includes professional involvement, technical accomplishments, and community involvement. We have many members who give their time and talents to both professional organizations and in community service. This award recognizes one

individual. However, many more people in our community deserve a big thank you for their service and efforts.

ASHRAE President Lee Burgett will join us this month at our monthly meeting and Traci Hanegan will speak on Specifications (See Page 3 for more details).

I hope to see you all at the March meeting.

Dale



*Mr. Ron Jamagin
ASHRAE Vice President*

From the Summit: ASHRAE Board Approves Funding for Headquarters Renovation

The ASHRAE Board of Directors approved initial funding for hiring a design firm to begin schematic design for a significant renovation of the headquarters building in Atlanta. The intent of the renovation is to make a significant statement in the area of sustainability as called for by ASHRAE's Sustainability Roadmap as well as to address a number of wear-and-tear issues in the building that have developed since the last renovation 15 years ago.

In what may be the first effort of its kind by a technical society, the ad hoc committee plans to engage the membership and their expertise in the renovation process. Plans are underway to provide opportunities to inform the design process through involvement of ASHRAE's technical committees. In addition, progress on the design and construction phases will be communicated through a special location on the ASHRAE web site. Any interested member should be able to get an update on progress at their convenience. Information on the building itself, including several studies and presentation material from ASHRAE meetings, will also be made available.

A presidential ad hoc committee studied several options including renovation of the existing building, leasing new space, purchasing another building and acquiring land to construct a new building. Ultimately, the committee recommended renovation of the existing headquarters building and suggested a target of a LEED-EB Gold rating for the renovation. In addition, the committee recommended that the renovated building become a "living laboratory" that would allow members to access operational data such as energy use and study the building performance to help advance our technical knowledge base.

Perhaps the most exciting aspect of the renovation will be the "living laboratory" concept. This concept encompasses not only access to the energy use and operational parameters of the mechanical systems, but also plans to provide a showcase for visitors to the headquarters building. We want to be able to demonstrate the things that we preach and provide members documentation of how the concepts are working. So, stay tuned for more information!



Four Members in Mid-Columbia Chapter Receive Award

Rich Evans, one of the founding members of our chapter, will receive an Exceptional Service Award (ESA) and a 50-year membership award at the ASHRAE Annual Meeting to be held in Quebec City, Canada (June 24, 2006).

Michele Friedrich, Srinivas Katipamula and Sriram Somasundaram will receive their Distinguished Service Awards (DSA) at the Annual Meeting as well.

This Month's Event

March 15, 2006

Specification Enforcement Affects YOU

Presented by:
Traci Hanegan, P.E., LEED® AP



CONSULTING ENGINEERS:

"Specifications aren't most engineers' idea of fun, but they can be awfully exciting when things go wrong." – Consulting Engineer

Consultants, go home with a list of opportunities for improvement and learn how to save money on your lump sum projects.

ARCHITECTS:

Architects, come see what the HVAC consultants you work with in the Inland Empire think about enforcing specifications.

CONTRACTORS:

Contractors, come and keep the consultants honest about what's going on out there and help level the playing field.

OWNERS:

Owners and facilities workers, come see what the consultants in the Inland Empire are doing to make sure you get what you really expect.

VENDORS/REPS:

Vendors/Reps, here's your chance to encourage the consultant pool to ask only for the things they want, leave out the junk, and accept only equal substitutions.

Place: Bamboo Garden, 8021 W. Grandridge Blvd., Kennewick

Time: 5:30 pm Social Hour

6:00 pm Dinner

6:45 pm Program

Cost: \$15.00 Dinner and Program

\$3.00 Program only

RSVP: Bing Liu at (509) 375-3710 or bing.liu@pnl.gov
No Later Than 1:00 PM, Monday, March 13, 2006

*A reservation made is a reservation paid.

Program Calendar (2005–2006)

Mark your calendars for the following upcoming events:

2005

Sep. 13, 2005: Condenser Water Heat Recovery, Julian de Bullet, McQuay International

Oct. 18, 2005: Global Warming, Victor Goldschmidt, ASHRAE Distinguished Lecturer

Oct. 26, 2005: USGBC LEED and Green Building Workshop

Nov. 9, 2005: Innovative Air-side Systems Designed to Conform to ASHRAE 90.1 and Improve IAQ, Evans Lizardos, ASHRAE Distinguished Lecturer

Dec. 13, 2005: Battelle Research Campus Update, Mike Lawrence, PNNL Deputy Director

2006

Jan. 10, 2006: Building commissioning and retro-commissioning, Janice Peterson, Green Building Services in Portland

Feb. 24, 2006: National Engineers' Week Banquet

March 15, 2006: ASHRAE President Lee Burgett's visit; Specifications Round Table, Traci Hanegan

April 11, 2006: Wireless Sensors for building operations: What are the opportunities? Michael Kintner-Meyer, PNNL

April 19, 2006: ASHRAE Satellite Broadcast on Green Buildings; WSU-TC

May 16, 2006: Tour of PNNL's IEOC

Mid-Columbia ASHRAE Chapter

2005-2006 Officers/ BOG

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BOG Member at Large (509) 375-5989	Michele Friedrich mfriedrich@pnl.gov

Committee Chairs

Membership (509) 375-5989	Michele Friedrich mfriedrich@pnl.gov
Newsletter (509) 375-6842	Sriram Somasundaram sriram.somasundaram@pnl.gov
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Honors & Awards (509) 375-5989	Michele Friedrich mfriedrich@pnl.gov
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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.

More News from the ASHRAE Winter Meeting

Three other PNNL staff members participated in the 2006 Winter Meeting held in Chicago, Illinois and contributed to the Technical Program.

Srinivas Katipamula presented a paper titled "Evaluation of Residential HVAC Control Strategies for Demand Response Programs" in the Symposium Demand Response Strategies for Building Systems (CH-06-07). The paper was coauthored with Ng Lu.

Srinivas also chaired Seminar 55 on Load Management: "Why You Should Care and What Technology is Emerging." Rob Pratt and Michael Brambley presented talks at this seminar. Rob's talk was titled "Future of Electric Power Grid" and Michael Brambley's was titled "Why Should Building Owners and Managers Care?"

Michael Brambley also presented a talk on "Web-Based Monitoring and Diagnostics to Improve the Energy Performance of ASHRAE HQ" in Seminar 1: ASHRAE HQ Extreme Makeover: Modeling and Monitoring Techniques to Improve the Energy Performance of Existing Buildings.

Michael also moderated the Forum 19: "Wireless Sensing and Control: Where Is It Needed and What Should It Control?"

Future ASHRAE Meeting Dates

The dates for the 2006, 2007 and 2008 Winter and Annual Meetings are:

- **2006**, Jan. 21-25 in Chicago, and June 24-28 in Quebec City, QC, Canada;
- **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.

