

The



Tumbleweed

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

Don't Miss This Month's Event

Wednesday, November 9

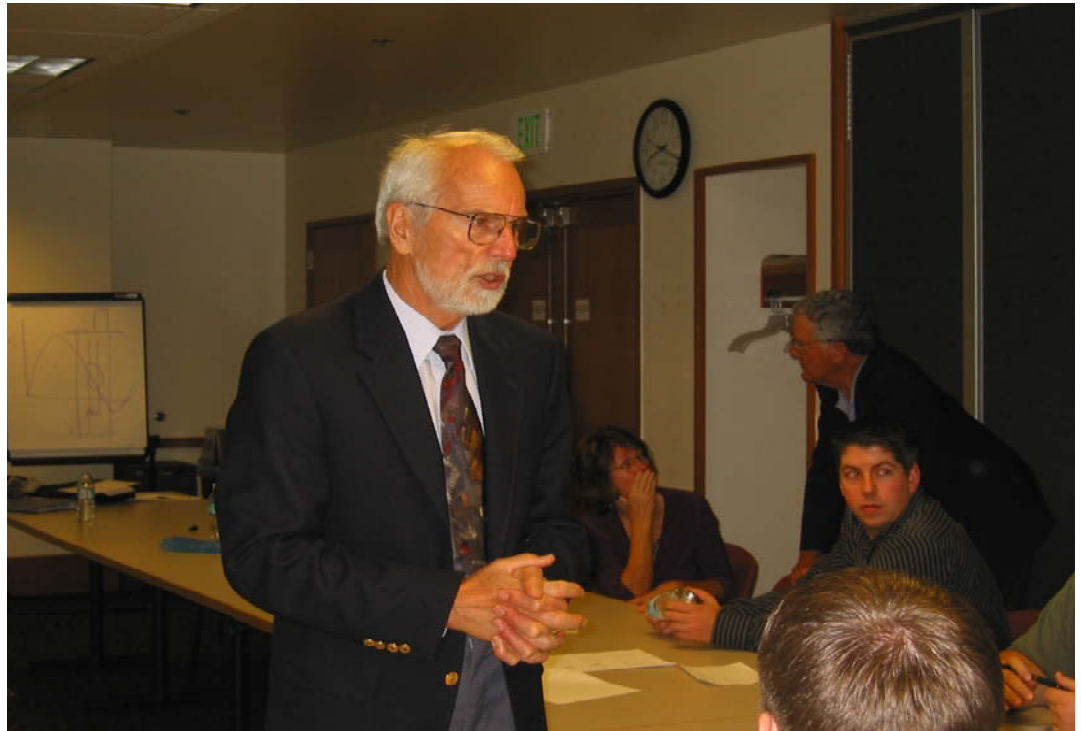
***ASHRAE Distinguished
Lecturer***

Evans J. Lizardos, P.E.

***Innovative Airside Sys-
tems Designed to Con-
form to ASHRAE 90.1
and Improve IAQ***

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Victor Goldschmidt presented a lecture on "Global Warming" at the October meeting



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On October 18, 2005, Prof. Victor Goldschmidt, an ASHRAE Distinguished Lecturer presented a lecture on "Global Warming" during the dinner meeting and an extremely condensed workshop on "ASHRAE's Core Values with a focus on Leadership" preceding the lecture. The workshop was scheduled for 45 minutes just preceding the chapter meeting. There were nine members present at the workshop, and 16 members attended the chapter meeting. Both of these events were held at a conference room in Battelle's PNNL.

The lecture included an overview, data and modeling exhibiting global warming, and critical analysis of both. The analysis suggested that the scientific method was not embraced in the modeling, and that a number of questions cast doubt on the data and the resulting inference that "greenhouse gases are causing global warming".

The lecture closed with a challenge to "think like engineers" and always question the data, and a call to be good stewards of the incredible world that has been entrusted to us.



Chapter President Dale Green

Message from the President

October brought another great meeting. Whether you agree with Victor's views on global warming or not, you have to admit it got you thinking the subject and what we are basing our views on. November brings a third ASHRAE Distinguished Lecturer to the Mid Columbia Chapter. This time the topic will be ASHRAE 90.1 and Indoor Air Quality. I hope to see you there.

About 60 people attended the LEED and Green Building Workshop on October 26. The Mid Columbia Chapter co-sponsored the event. LEED is becoming a driving force in the design, construction, and renovation of buildings. Being familiar with the LEED process and becoming a LEED Accredited Professional is quickly becoming a requirement in order to do business. Thank you Bing for all of your work in bringing this workshop to the Tri Cities.

ASHRAE Research is funded by its members. Right now, the push is on to complete the Full Circle for the chapter. For those of you who don't know, if all of the officers and the Research Promotion Chair of a chapter donate at least \$100 (honor roll level donation) the chapter receives the Full Circle award from ASHRAE. However, we all have the ability to help fund ASHRAE Research. This is research that deals directly with our industry, HVAC&R. I encourage all of you to consider giving a donation. If you would like to contribute, you can go to the ASHRAE website, www.ashrae.org. If you don't want to donate online, you can mail a check directly to ASHRAE or give it to Gil Hibbs, our Research Promotion Chair.

Dale



News You Can Use

IEEE will be hosting a tour to the Dalles Dam on Nov 12 and have invited ASHRAE members to join them for the tour. Seats are limited and following is the detailed tour agenda and reservation information:

November 12, 2005

7:45am: meet at the Federal Building parking lot with a briefing about the tour.

8:00am - 10:30am: drive to the Dalles on a charter bus.

10:30am - 12:00pm: tour the Celilo DC substation hosted by Don Chase.

12:00pm - 1:30pm: visit the Dalles town and lunch (no host).

1:30pm - 2:30pm: tour the Dalles Dam hosted by Glen Smith.

2:30pm - 5:00pm: drive back to Richland on a charter bus.

Fee charged to tour participants to partially recover the charter bus cost (The rest of the cost will be covered by IEEE Richland Section):

non-IEEE Members: \$15 (IEEE Members: \$10)

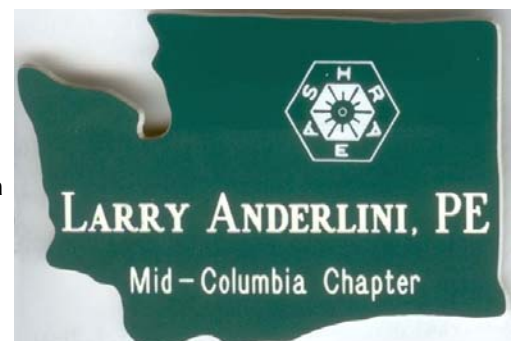
RSVP: Henry Huang
(zhenyu.huang@pnl.gov)

Badges for Mid-Columbia Available

ASHRAE Name Tags in the shape of Washington State are available for the Mid-Columbia Chapter's members to order. The picture on the right shows what the name tag looks like. The cost is \$10.00 a name tag.

Interested??? Contact
Michele Friedrich at (509) 375-5989

mfriedrich@pnl.gov



This Month's Event

Wednesday, November 9

ASHRAE Distinguished Lecturer



EVANS J. LIZARDOS, P.E.

Innovative Airside Systems Designed to Conform to ASHRAE 90.1 and Improve IAQ

The presentation will be a method to modify existing HVAC equipment and/or design a new HVAC system to prevent mold growth in buildings which will occur whenever the relative humidity of the space exceeds 70%. The new or modified designs use preconditioned code required minimum ventilation air to remove the latent load and allow for only sensible cooling to maintain space conditions. The sensible cooling portion of the cycle is a hybrid of reheat that allows for the space to never exceed a relative humidity greater than 60%.

Evans J. Lizardos, P.E. is Founder and President of Lizardos Engineering Associates, P.C., a 75-person mechanical and electrical consulting engineering firm located on Long Island, a suburb of New York City. The company is engaged in the design and analysis of all aspects of building systems. Evans serves as Chief Mechanical Engineer for the firm and holds regular technical sessions for the engineering staff. As a LEED 2.1 Accredited Professional, Evans has held several in-house LEED workshops, which encouraged 16 members of the LEA staff to also obtain their LEED certification. Evans served as President of the Long Island Chapter of ASHRAE, and was elevated to the grade of ASHRAE Fellow in 1988. He was Vice Chairman of the of 1998 ASHRAE Refrigeration Handbook, and is past Chairman for 11 chapters of the ASHRAE Handbook Committee. Currently, he is Chairman for 18 chapters of the ASHRAE Refrigeration Handbook and a contributing author for the 1996 edition of the Complete Building Equipment Maintenance Desk Book.

Location: Richland Library, Doris Roberts Gallery, 955 Northgate Drive, Richland

Date: Wednesday, Nov 9, 2005

Time 6:00 - 6:30 pm Social Time; 6:30 - 7:30 pm Dinner
7:30 - 8:30 pm Program

Cost: \$10.00 Dinner and Program (Pizza); \$3.00 Program Only
Program attendance is free for students. Student dinner cost is \$7.00

RSVP: Dale Green at (509) 735-1589 or degreen@meierinc.com
No Later Than 4:00 PM, Tuesday, Nov 8, 2005

*A reservation made is a reservation paid.

Program Calendar (2005–2006)

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 xx, 2006: National Engineer Week Banquet

March 15, 2006: ASHRAE Lee Burgett will visit us. Specifications Round Table, Traci Hanegan

April 11, 2006: Tour of Milan Food Processing Plant

April 19, 2006: ASHRAE Satellite Broadcast on Green Buildings

May 16, 2006: Tour of Integrated Energy Operations Center (IEOC) at PNNL

Mid-Columbia ASHRAE Chapter

2005-2006 Officers/ BOG

| | |
|---------------------------------------|--|
| President (509) 735-1589 | Dale Green degreen@meierinc.com |
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| | |
|--------------------------------------|---|
| Membership (509) 375-5989 | Michele Friedrich mfriedrich@pnl.gov |
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| Honors & Awards (509) 375-5989 | Michele Friedrich mfriedrich@pnl.gov |
| Research Promotion (509) 783-1625 | Gil Hibbs gilh@scm-ae.com |

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

Jay Ashbaugh at (509) 735-1589

jpashbaugh@meierinc.com

The dates for the 2006 and 2007 Winter Meetings are incorrect on some ASHRAE membership cards.

The correct dates for the Winter and Annual Meetings are:

- 2006, Jan. 21-25 in Chicago, and June 24-28

- 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

