

ASHRAE BLUEPRINT

November 2008

President
Wade Myrabo

President Elect
Brent Tjeerdsma

Vice President
Mark Grebner

Secretary
Steve Gaspar

Treasurer
Greg Hintgen

1st Board Member
Bob Everson

2nd Board Member
Rob Marshall

3rd Board Member

Membership
Kirby Quamen

Student Activities
John Schwartz

CTTC
Rob Marshall

Historian
Kurt Bassett

Honors & Awards
Bob O'Connor

Research Promotion
Stuart Oster

Newsletter
Darrell Herman

Publicity
Ken Wickre

Special Events
Jeff Rentschler

Reception
Tena Kidd

PAOE Watch Dog
Kasey Abbott

PRESIDENT'S MESSAGE

Wade Myrabo

ASHRAE 2008-2009 November meeting, Wednesday November 5, 2008 at Westward Ho!

The crops are coming out of the fields, Halloween is here and Thanksgiving is just around the corner and another night of ASHRAE next Wednesday Night. We are excited about having Past Presidents Month for this November and hope we have a great turnout to see the ones that have kept this chapter together over the years.

Victor Goldschmidt is coming in to do a 2 hour seminar on November 5, 2008, from 3:00 pm to 5:00 pm and then following it up with another topic at our nightly meeting. Victor is an ASHRAE distinguished lecturer and was a guest speaker at the CRC when it was in South Dakota. Don't miss an opportunity to hear a great speaker, you won't be disappointed. See Rob's article on programs.

November is Past Presidents night, so make sure you find them all and welcome them. November is also research donor recognition night, and Membership Night. The social hour will begin at 5:15 PM, dinner will be at 6:15 PM and the meeting/program will start at 6:45 PM.

If you have any questions on any ASHRAE items, contact me, any board, or committee members. We would be glad to answer any of your ASHRAE questions. I hope to see you all at the HO on November 5th!!!

Please RSVP for the meeting to krystal.hermanson@ulteig.com by Monday. Or call 605 323-6043 if that is more convenient.

RESEARCH PROMOTION

Stuart Oster

Donor Recognition Night

As a way of personally thanking all personal and company donors to the '07-'08 Research Promotion Campaign, I would like to cordially invite you to the November 5th Chapter meeting to receive recognition for your support of ASHRAE research. This meeting promises to be very exciting, as it is also Past Presidents Night in addition to having a lecture performed by ASHRAE distinguished speaker Victor Goldschmidt.

I hope to see you all there to personally thank you for your past support of ASHRAE research.

Stuart Oster
'08-'09 Research Promotion Chairman
Ulteig Engineers
(605)-323-6019

ASHRAE BLUEPRINT

November 2008

President
Wade Myrabo

President Elect
Brent Tjeerdsma

Vice President
Mark Grebner

Secretary
Steve Gaspar

Treasurer
Greg Hintgen

1st Board Member
Bob Everson

2nd Board Member
Rob Marshall

3rd Board Member

Membership
Kirby Quamen

Student Activities
John Schwartz

CTTC
Rob Marshall

Historian
Kurt Bassett

Honors & Awards
Bob O'Connor

Research Promotion
Stuart Oster

Newsletter
Darrell Herman

Publicity
Ken Wickre

Special Events
Jeff Rentschler

Reception
Tena Kidd

PAOE Watch Dog
Kasey Abbott

CTTC
Rob Marshall

VICTOR W. GOLDSCHMIDT, Ph.D.
Professor Emeritus, Purdue University
School of Mechanical Engineering

Northport, MI

We are excited to have Victor W. Goldschmidt, ASHRAE Distinguished lecturer, Emeritus Mechanical Engineering Professor, served at Purdue University, speaking at this months ASHRAE meeting. Victor will be speaking to the SDSU HVAC class on Wednesday morning, presenting a Technical Seminar in the afternoon, and then speaking at the ASHRAE dinner that evening.

10-11AM – Speaking to Kurt Bassett’s HVAC Class
Presentation Topic – “Differing Perspectives on Anthropogenic Global Warming”

Differing Perspectives Into Global Warming

This lecture is intended to provide a different perspective to the usual formal presentation on these topics. It was the consequence of attempting to analyze the available data to demonstrate the reality of ozone depletion and global warming. Unfortunately, the analysis led to the conclusion that the only reality is in the uncertainties in these areas. Data demonstrating global warming trends are summarized and the lecture ends with a listing of assumptions and detailed aspects of the data that could raise questions as to the validity of the implied trends.

3-5PM – Training Session at the Westward Ho Country Club
Training Session Topic – “Problem Solving: Principles and Practices”

Problem Solving: Principles and Practices

Aspects of problem solving , blocks to creativity, the need for ideation, followed by group involvement in a problem solving session demonstrating creativity enhancement exercises.

ASHRAE BLUEPRINT

November 2008

President
Wade Myrabo

President Elect
Brent Tjeerdsma

Vice President
Mark Grebner

Secretary
Steve Gaspar

Treasurer
Greg Hintgen

1st Board Member
Bob Everson

2nd Board Member
Rob Marshall

3rd Board Member

Membership
Kirby Quamen

Student Activities
John Schwartz

CTTC
Rob Marshall

Historian
Kurt Bassett

Honors & Awards
Bob O'Connor

Research Promotion
Stuart Oster

Newsletter
Darrell Herman

Publicity Chair
Ken Wickre

Special Events
Jeff Rentschler

Reception
Tena Kidd

PAOE Watch Dog
Kasey Abbott

7-8PM – Chapter Dinner Presentation

Dinner Topic - “Sustainability and Implications in the Context of Power Plants”

Sustainability and Implications in the Context of Power Plants

ASHRAE has embraced the concept of sustainability. This lecture will start by presenting and defining the concept of sustainability, and will close with a statement of the challenge of sustainability. The context for the presentation will be the generation of electricity. Conventional power plants (hydro, coal, oil,

natural gas, and nuclear) will be described with a particular focus on their history, efficiencies, and production and availability of the corresponding primary energy sources. Alternative “renewable” sources for generation of electricity (e.g. wind, solar, hydrogen, geothermal) will also be reviewed, including their history, efficiencies and potentials. The impact of these various alternatives on “non-renewable” sources and on the environment, including the CO₂ balance, will lead towards the challenge implicit in sustainability.

VICTOR W. GOLDSCHMIDT, Ph.D.

Victor W. Goldschmidt, Emeritus Mechanical Engineering Professor, served at Purdue University from 1964 through 2000. He is currently serving as a Leelanau Township Trustee and Planning Commissioner as well as a facilitator and engineering consultant.

During his 36 years at Purdue University, Mr. Goldschmidt was responsible for educating mechanical engineering students, including the direction of graduate research in the HVAC area. Most of his service with graduate students was with the Ray W. Herrick Laboratories with heavy support from the HVAC industries. During early stages of his career, he served as Director of the Engineering Purdue Fellows in Latin America; during later stages he served as department head for Freshman Engineering. Prior to his academic involvement, he worked in Applications Engineering and Development Engineering with Honeywell.

Mr. Goldschmidt has taught almost every course in thermal sciences offered at Purdue, as well as a special upper level technical course on the “Creative Process in Engineering.” He is trained as a Synectics (special brainstorming) facilitator and is currently engaged in the development of strategic plans and problem solving sessions.

A past ASHRAE Director-at-Large, he also has served as a member of Publishing and Technology Councils. He is an ASHRAE Distinguished Service Award recipient and Fellow, as well as Honorary Member of IIR, ACAIRE, ASURVAC and AAF. He resides in North Michigan, above Traverse City

ASHRAE BLUEPRINT

November 2008

President
Wade Myrabo

President Elect
Brent Tjeerdsma

Vice President
Mark Grebner

Secretary
Steve Gaspar

Treasurer
Greg Hintgen

1st Board Member
Bob Everson

2nd Board Member
Rob Marshall

3rd Board Member

Membership
Kirby Quamen

Student Activities
John Schwartz

CTTC
Rob Marshall

Historian
Kurt Bassett

Honors & Awards
Bob O'Connor

Research Promotion
Stuart Oster

Newsletter
Darrell Herman

Publicity Chair
Ken Wickre

Special Events
Jeff Rentschler

Reception
Tena Kidd

PAOE Watch Dog
Kasey Abbott

HISTORIAN Kurt Bassett

SD Chapter History Note

Energy issues have been in the forefront of the news lately, not only because of rapidly rising costs, but also because it's a presidential election year in the U.S. Nuclear energy has received much attention. Sioux Falls was the site of an early venture in nuclear power generation. The 66 MW Pathfinder Atomic Plant was built by Northern States Power (now Xcel Energy) and operated from August 1966 to September 1967. Nuclear fuel was removed in 1970, but the plant continued to be used as a conventional peaking plant until the cooling tower collapsed in a storm in July 2000. Pathfinder's Radiation and Chemical Engineer, R.B. Keely, presented a program on the nuclear plant at the May 1962 meeting of the South Dakota ASHRAE chapter.

A brief synopsis of the plant's history can be found at the U.S. Nuclear Regulatory Commission's web site:

<http://www.nrc.gov/info-finder/decommissioning/complex/pathfinder.html>

Don't forget to enter your answer to the following question in the drawing at the November meeting: Can you name the future chapter president who received the ASHRAE scholarship in 1987?