

# ASHRAE BLUEPRINT

November 2017



## PRESIDENT'S MESSAGE Stuart Oster

**Chapter Meeting:**        **Wednesday November 8th @**  
   **The Country Club of Sioux Falls**  
   **Social 5:00, Supper 5:30, Program 6:00-7:00**

**RSVP at our Chapter homepage ([www.sdashrae.org](http://www.sdashrae.org)) no later than Noon on Friday, November 3rd. <http://sdashrae.org/meetinginfo.php>.**

Chapter Members and Guests,

November's evening meeting will have a very full slate of activities and entertaining. First, we have the honor of hosting our ASHRAE Distinguished Lecturer Victor Goldschmidt to give the technical presentation. In addition to that, it will also be Student Night and Past President's Night where those individuals will enjoy a meal at no cost, it's on us. Finally, it will also be RP Recognition Night where last year's RP donors will receive their rewards. Let's have a great showing for November!

I would like to also include a few other notes for Wednesday the 8<sup>th</sup> as well. First, Victor Goldschmidt will be giving a technical seminar from 2:00-4:30, so please make sure you register for that. The invite has already been sent to all members. Also, our student activities chair Jeremy Goodroad will be giving a tour of the new Cars For Sale office building to ASHRAE students prior to the evening events. Thank you to Jeremy for organizing that event.

We had a great day & a fun time for our annual ASHRAE shootout on October 20<sup>th</sup> at Hunter's Point. Thank you all that attended and Kevin Eggert for putting it together. This was a great primer for opening weekend of hunting season, but from what I am seeing and hearing, with the drop in pheasant population, there was probably more shooting at the event than there was over the weekend. Hope all you hunters had a fun opening weekend regardless.

Don't forget you may utilize our Chapter webpage (<http://sdashrae.org/>) to save future meetings to your calendar. Go to the Events tab, then you can select any of the future meetings which will take you to the link with that meeting's information and an icon to Add to Calendar. Please mark your calendars and register early.

I hope you can join us at the Country Club on the 8<sup>th</sup>!

-Stu

President  
Stuart Oster

President Elect  
Michael Heeney

Vice President  
Kacie Olson

Secretary  
Michael Hubbard

Treasurer  
Jeremy Eitrem

1st Board Member  
Jeremy Goodroad

2nd Board Member  
Open

Membership  
Nathan Larson

YEA  
Blake Lynch

Student Activities  
Jeremy Goodroad

CTTC  
Nathan McKenzie

Historian  
Todd McInerney

Honors & Awards  
Ryan O'Connor/  
Mike Thompson

Research Promotion  
Michael Heeney

Newsletter  
Ryan Van Der Bill

Publicity  
Ken Wickre

Special Events  
Kevin Eggert

Reception  
Kyle Christensen

PAOE Watch Dog  
John Schwartz

Government Affairs  
Kasey Abbott

Refrigeration Committee  
Jeremy Eitrem

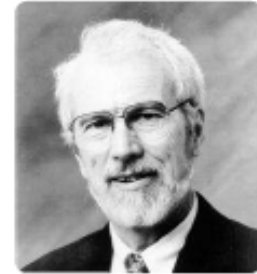
Webmaster  
John Schwartz

# ASHRAE BLUEPRINT

CTTC  
Nathan McKenzie

## Victor W. Goldschmidt, Ph.D.

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Victor W. Goldschmidt, Emeritus Mechanical Engineering Professor, served at Purdue University from 1964 through 2000. He is currently serving as a Leelanau County 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 Syntectics (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.

Evening Presentation Topic:

## Air Conditioning: A look Into the Past and a Guess Into the Future

Starting with a brief historical review, and some of the trends in research, predictions are made as to what the future might be in air conditioning for human comfort. The presentation could be considered "technically entertaining." Suggesting the fallacies of predictions, it shows the historical delays from defining a concept to the marketing of an actual product. The implications to our industry are noted as well.

# ASHRAE BLUEPRINT

Afternoon Technical Presentation Topic:

## Principles of Leadership and Group Dynamics

Effective leadership is essential in ASHRAE committee work. The distinctions between management and leadership are brought forth, together with major concepts defining effective leadership. Concepts of group dynamics, including non-verbal communication styles are also presented.

## Principles of Leadership and Change

Leadership is directed towards change. The nature of leadership, processes for change, and conflict arising from change are addressed.

## The 2017-2018 South Dakota Chapter ASHRAE Line-up:

Sept 20	Noon	Jay Eldridge, Daikin <i>"Chiller System Optimization"</i>
Oct 11	Noon	Scott Blackmon, Hart&Cooling/AMPCO <i>"Factory Built Chimney"</i>
Nov 8	<b>Afternoon Technical Seminar</b>	<b>Victor W. Goldschmidt, Ph.D., Purdue University Of Mechanical Engineering (Distinguished Lecturer) <i>"Leadership Principles"</i></b>
Nov 8	<b>Evening</b>	<b>Victor W. Goldschmidt, Ph.D., Purdue University Of Mechanical Engineering (Distinguished Lecturer) <i>"Air Conditioning: A Look Into the Past and a Guess Into the Future"</i> Past President and Student Night, RP Awards</b>
Dec 6	Noon	Bruce Barrett, Multistack <i>"Variable Speed Scroll Compressor Technology"</i>
Jan 10	Noon	TBD
Feb	Valentines Event	TBD
Mar 7	Noon	TBD
April 4	Evening	TBD (Distinguished Lecturer) Student Night
May		<i>Golf</i>

## **YEA (Young Engineers in ASHRAE)**

**Blake Lynch**



We will be having our first social gathering of the new ASHRAE year on November 2<sup>nd</sup>, at Ferson Brewing Co. (1400 E Robur Dr. Sioux Falls, SD 57104). Very casual evening, we'll have a few appetizers, courtesy of our ASHRAE chapter. They have plenty of home brews to choose from, as well as other non-alcoholic drinks. This is a great opportunity to meet and greet fellow members of the HVAC community!

### **SPECIAL EVENTS**

**Kevin Eggert**

The Sporting Clays Shootout at Hunter's Pointe was a success. There were 15 participants this year, high team score was Mike Klinkhammer and Matt Bjordal with a total of 71 of 100 clays. Second was Nathan Larson and Dean Welch with 66 and third was Blake Lynch and Sam Mitchell with 64. High personal score was Mike Klinkhammer with 46 of 50, you can do the math and see how Matt B. did! Ryan Van Der Bill and Dylan Brugman reported hitting two birds with one shot! Great catered lunch from Squealer's Smoke Shack of Tea, SD. Look forward to shooting again next year!

### **GOVERNMENT AFFAIRS**

**Kasey Abbott**

Governor Dennis Daugaard declared October 5, 2017 ENERGY EFFICIENCY DAY! See the attached proclamation.

### **Membership**

**Nathan Larson**

If you know of anyone that may be interested in joining ASHRAE, be sure to tell them about ASHRAE and invite them to a meeting. Membership information can be found at [www.ashrae.org/members/](http://www.ashrae.org/members/) or call Nathan at 605-996-7548 with questions.

### **RESEARCH PROMOTION**

**Michael Heeney**

Our chapter's 2016/2017 research and promotion campaign was a success. This was achieved because of the support from our chapter's members and companies. Please join us Wednesday so we can thank you at our RP awards night.

# *Executive Proclamation*

## *State of South Dakota*

### *Office of the Governor*

*Whereas*, Energy efficiency is the art of getting the same or better performance using less energy – all while cutting utility bills for residential, business, and industrial customers; and,

*Whereas*, Reliable, affordable energy is vital to our economic prosperity and energy efficiency is the most productive and cost-effective way to meet our energy needs; and,

*Whereas*, Implementing clean energy policies and programs helps boost economic opportunities and job creation while continuing to move toward a sustainable future; and,

*Whereas*, Smarter energy use reduces the amount of electricity we need to power our lives, which helps avoid power plant emissions that can harm our health, pollute our air, and warm our climate; and,

*Whereas*, A nationwide network of energy efficiency groups and partners has designated October 5<sup>th</sup> as the nation's second annual Energy Efficiency Day; and,

*Whereas*, Together the people of South Dakota can continue to contribute to our sustainability efforts by learning more about energy efficiency and practicing smarter energy use in their daily lives:

*Now, Therefore, I, Dennis Daugaard*, Governor of the state of South Dakota, do hereby proclaim October 5, 2017, as

## ***ENERGY EFFICIENCY DAY***

in South Dakota.



*In Witness Whereof*, I have hereunto set my hand and caused to be affixed the Great Seal of the state of South Dakota, in Pierre, the Capital City, this Third Day of October in the Year of Our Lord, Two Thousand and Seventeen.

*Dennis Daugaard*  
Dennis Daugaard, Governor

Attest:

*Shantel Krebs*  
Shantel Krebs, Secretary of State