



# Thin Air Bulletin

March 2017

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## March Meeting Announcement

Join us for our next chapter meeting of the 2016-2017 year. The topic is "Standard 62.1 Updates" by Distinguished Lecturer Dennis Stanke.

Date: Tuesday, Mar 14

Time: 11:30am - 1:00pm

Location: Pappadeaux, 5011 Pan American NE

Cost: \$25 (members) / \$30 (guests)

[Click here for more info or to register online.](#)

(Cash and credit cards also accepted at door)

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## Message from the President

Dear Members,

The ski year is in high gear and the spring wind is about to kick to the next level, while the New Mexico ASHRAE chapter is bringing in another quality speaker for March. Before we get to the rest of the events we have planned for the rest of the year, I want to recognize Chapter Vice President/CTTC Jerry Hine for helping set up the Controls Forum in January and the joint NMAEE/ASHRAE meeting in February. Both of these events required a lot of time and coordination to arrange. Both events were extremely popular. The controls forum covered topics from how to specify for the best controls result and what mechanical contractors can do to make controls projects go most smoothly. The NMAEE/ASHRAE joint meeting was about how to design successful piping to keep your building performing at low energy usage levels as the building ages and operators change. In April Jerry will also be attending the Region IX President's training for the 2017-2018 ASHRAE year.

This year, Trevor Keegan joined us in the GGAC position, Doug Brown joined as Student Activities chair, Ariel Nephew joined the Membership committee, Andres Mendoza joined the GGAC committee and Randy Andrews joined the ECC (website and newsletter) committee. All this new blood has added lots of new

## GGAC March Update

Dear Members,

This month I had a new committee member join the Government Advocacy (GGA) committee. Andres Mendoza, a Mechanical Designer at Bridgers and Paxton, has come on board in his new position helping coordinate an upcoming event on the Hill". During this event, our chapter members will travel to Santa Fe to attend a legislative committee meeting together. We will also speak with some of our local ASHRAE and what we do, handing out ASHRAE flyers specifically for this event. Keep an eye out for a future update with more details. ASHRAE has successfully promoted "Hill" in several other chapters, but this will be the New Mexico first time doing it.

In recent news, Mayor Berry plans to build a new high-rise building in Albuquerque, offering developers financial assistance for the tallest building in the state. Refer to the article here: <http://www.bizjournals.com/albuquerque/news/looking-for-developers-to-create-iconic.html>.

In other news, Governor Martinez announced that the new building for Facebook here in New Mexico will contain a renewable energy market in our state. Refer to the a

ideas to the BOG. We appreciate all the vitality and enthusiasm. Please feel free to give suggestions to the new BOG members.

<http://www.bizjournals.com/albuquerque/news/2017/02/01/ab-company-will-build-45-million-facility.html>

The BOG has three more events outside of the regular meetings planned for this year. Before the state legislature adjourns for the year, ASHRAE will sponsor a "Day on the Hill" event to meet with state congress people. On March 17<sup>th</sup>, the BOG is looking for volunteers to help judge the UNM New Mexico High School Science Fair for scholarship winners in the HVAC category. In April, YEA committee will be sponsoring a trip to the ninja park. We invite any interested members to contact myself or any other members of the BOG for more information.

Trevor Keegan

GGAC Chair

Feel free to e-mail me at [stephen.fomer@trane.com](mailto:stephen.fomer@trane.com) with your thoughts and suggestions.

Sincerely,

Stephen Fomer  
NM ASHRAE President  
2016-2017

### Upcoming Events

Mar 14 Chapter Meeting  
DL 62.1 update - Dennis Stanke  
11:30am - 1:00pm  
Pappadeaux

Mar 17 Science Fair  
Judging for Scholarships  
1:00pm - 4:00pm  
UNM

Apr 18 Chapter Meeting  
Outside Air Applications  
11:30am - 1:00pm  
Pappadeaux

May 23 Chapter Meeting  
Student Night  
5:30pm - 7:00pm  
Pappadeaux

[Click here for more info on our upcoming events](#)

### 2016-2017 Board of Governors

- President .....Stephen Fomer
- President-Elect.....Jerry Hine
- Treasurer.....Stacey Chan
- Research.....Joseph Higham
- Historian.....Gary Grange
- Research (RVC).....Andrew Farrish
- Membership.....Ryan Shaffer
- Student Activities.....Douglas Brown
- Grassroots Government....Trevor Keegan
- Awards.....Rex Stockwell
- Golf Tournament.....Allen Anaya
- GGAC Committee.....Andres Mendoza
- Membership Committee.....Ariel Nephew
- EEC Committee.....Randy Andrews

Thank you to all our officers for volunteering their time and leadership for our chapter! Visit our website for their contact info.

## In Other News...

### Membership

The New Mexico chapter would like to welcome the following new members:

Gerald Trainer  
Brian Cappleman  
Debbi Strawn  
Brandon Colona  
Mark Williams

If you see them at the next meeting please welcome these new members to our group.

Contact Ryan Shaffer ([ryan.shaffer@jci.com](mailto:ryan.shaffer@jci.com)) for more details.

[Learn more about membership](#)

### Young Engineers in ASHRAE

Please join us at the ninja park in April! Look for more information upcoming!

### From the History Books

#### October 1990

President: Bruce Davis  
President-Elect: John Grapsas  
Secretary: Steve Maggert  
Treasurer: Mike Slaman

John Ehrlichman, counsel and Assistant to the President for Domestic Affairs under President Richard Nixon, was the guest speaker at the October meeting at The Bishop's Lodge to discuss the 'Happenings in Washington'.

### Student Activities

UNM New Mexico High School Science Fair

Looking for judges to award scholarships in the HVAC category.

March 17th, 2017  
1 pm to 4 pm

Please contact Doug Brown ([dobrown505@gmail.com](mailto:dobrown505@gmail.com)) if you are interested.

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## Research Promotion Update

### Major Donors \$250 - \$2,499

Yearout Mechanical & Engineering

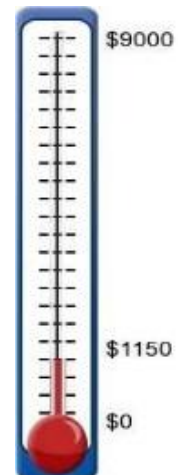
### Honor Roll \$100 - \$249

Allen Anaya  
Stacey Chan  
Michael Dexter  
Andrew Farrish  
Stephen Forner  
Gary Grange  
Joe Higham  
Jerry Hine

### Other Contributions


Scoggins Mechanical

Our goal for this year is \$9,000. I'm confident that our outstanding contributors can help us reach and surpass this goal. The cutoff for the 2016-2017 year is June 30, 2017, so there is still plenty of time to get your name on our list, or move your name up.




Full Circle is awarded to chapters where all officers contribute at least \$100 to Research Promotion. New Mexico received the Full Circle award for 2015-2016 and all officers have already made their contribution for 2016-2017.

NMAEE is also hosting the following event at UNM:



THE UNIVERSITY of  
NEW MEXICO

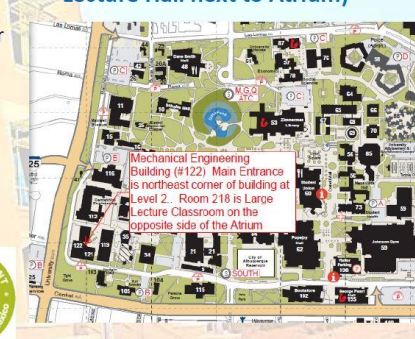


**UNM Student Chapter of  
Association of Energy Engineers**

**Thursday, March 9, 2017  
5:00 PM - 6:00 PM**


**Chapter Meeting** All students welcome!  
**Classroom Room 218 in  
Mechanical Engineering (Large  
Lecture Hall next to Atrium)**

**Topic: "Variable Refrigerant Flow  
System Fundamentals"** This technology is replacing conventional energy transportation by air and water within a buildings HVAC system, and becoming a popular HVAC concept in North America market. Discussion will also include specific recent installation examples of entire system requirements, plus good fundamental design practice guidelines.



Mechanical Engineering Building (#122). Main Entrance is northeast corner of building at Level 2. Room 218 is Large Lecture Classroom on the opposite side of the Atrium

**Guest Speaker: Allen Anaya, Branch  
Manager, VARITEC Solutions**



Speaker Bio: Allen has over 30 years experience as a sales engineer for numerous types of HVAC related equipment. Allen has received Factory Certified Training for Design, Installation and Commissioning of Daikin VRV equipment.

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## Society News and Opportunities

# ASHRAE Learning Institute

## 2017 Online Course Series

### 2 WAYS TO REGISTER

Internet: [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

Phone: Call 1-800-527-4723 (US and Canada) or 404-836-8400 (worldwide)

One-part course (3 hours) \$284 (\$219 ASHRAE Member) – – – Two-part course (6 hours) \$484 (\$359 ASHRAE Member)

**Basics of High-Performance Building Design**  
Wednesday, February 8, 2017 – 1:00 p.m. to 4:00 p.m.

**Designing Toward Net-Zero Energy Commercial Buildings**  
Tuesday, February 14, 2017 – 1:00 p.m. to 4:00 p.m.

**ASHRAE Guideline 0: The Commissioning Process**  
Tuesday, February 21, 2017 – 1:00 p.m. to 4:00 p.m.

**Commissioning Process & ASHRAE Standard 202**  
Monday, February 27, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Fundamental Requirements of Standard 62.1-2016**  
Thursday, March 9, 2017 – 1:00 p.m. to 4:00 p.m.

**Commissioning Process in New and Existing Buildings**  
Part I: Monday, March 13, 2017 – 1:00 p.m. to 4:00 p.m.  
Part II: Wednesday, March 15, 2017 – 1:00 p.m. to 4:00 p.m.

**Design of Affordable & Efficient Ground Source Heat Pump Systems**  
Wednesday, March 29, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: Envelope/Lighting**  
Wednesday, April 5, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: HVAC/Mechanical**  
Tuesday, April 11, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016: Appendix G**  
Tuesday, April 18, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Fundamentals**  
Wednesday, May 3, 2017 – 1:00 p.m. to 4:00 p.m.

**Air-to-Air Energy Recovery Applications: Best Practices**  
Tuesday, May 9, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Basic Principles, Loads and Equipment**  
Tuesday, June 13, 2017 – 1:00 p.m. to 4:00 p.m.

**Humidity Control: Applications, Control Levels and Mold Avoidance**  
Tuesday, June 20, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, July 11, 2017 – 1:00 p.m. to 4:00 p.m.

**Advanced High-Performance Building Design**  
Wednesday, August 9, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Fundamental Requirements of Standard 62.1-2016**  
Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

**Designing High-Performance Healthcare HVAC Systems**  
Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

**Laboratory Design: The Basics and Beyond**  
Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

**Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems**  
Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! Complying with Standard 90.1-2016**  
Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.  
Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

**NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs**  
Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

## ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Dallas • Doha • Hartford • Toronto

### HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

### HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

*HVAC Design: Level II – Applications* provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining) to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray ([kmurray@ashrae.org](mailto:kmurray@ashrae.org)) to discuss scheduling ASHRAE HVAC Training in your Chapter area.



# 5 Easy Steps to Earn and Maintain an ASHRAE Certification

## 1. Read the *Candidate Guidebook*

Visit [www.ashrae.org/certification](http://www.ashrae.org/certification) and download the guidebook for the program in which you are interested.

## 2. Complete the Application

Complete the online application at [www.ashrae.org/certification](http://www.ashrae.org/certification). Membership in ASHRAE is not a requirement for certification.

## 3. Schedule an Examination

BCxP, BEAP, BEMP, HBDP, HFDP and OPMP examinations are offered at over 300 conveniently located computer-based testing centers worldwide. Candidates may schedule an examination appointment online or by telephone.

## 4. Review Available Resources

The *Candidate Guidebook* for a program identifies available resources, including practice exams, that may help candidates gain an understanding of the body of knowledge that the examination tests. Purchase of books or course registrations is not a prerequisite to taking any ASHRAE certification examination.

## 5. Renew the Certification

Each certification is renewable every three years. To retain certification, each certification holder must earn 45\* Professional Development Hours (PDHs) during the three year period following initial certification or the last renewal.

\*BCxP Requires 50 PDHs.

Schedule an exam at one of over **300 testing centers** worldwide  
**TODAY!**

To learn more or apply, please go to  
**[www.ashrae.org/certification](http://www.ashrae.org/certification)**

More news at [ashrae.org/news](http://ashrae.org/news)

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