



THE SQUIRREL CAGE —ALAMO ASHRAE

ASHRAE - ALAMO CHAPTER #65

SAN ANTONIO, TX

ISSUE: FEBRUARY 2014 VOLUME LIII NO. 04

ALAMO ASHRAE PRESIDENT'S MESSAGE

Alamo ASHRAE,

I would like to thank everyone who participated in the various Discovery E week events across the city. We just had a UTSA Round Table Event: The Life Cycle of a Building. 53 students attend, 38 of which will be signing up as UTSA ASHRAE student chapter members. A big thank you goes out to Chris Delgado, Gene Raanes, James Drewry, Wes Weissgarber, Jon Hermann, Jairo De Samaniego, Dr. Manteufel, and Mario Mijangos for your time and faith in the event. We look forward to the UTSA engineers' week in March and our April Luncheon with Trinity University. Please contact Mario if you are interested in volunteering at:

mmijangos@brandt-companies.com

Our March lunch meeting, "Negligent Misrepresentation Claims and How they are affecting Engineers" will be back at Oak Hills Country Club on March 18. I highly encourage you to attend. This topic directly affects our work and how we perform it.

I'm really looking forward to playing at TPC San Antonio this year. Dan Seltzer has been hard at work planning quite the event. Make sure you're a part of all the fun! Please contact Dan Seltzer at:

Dan.Seltzer@lpl.com.

Sincerely,

Rey Gutierrez, PE, LEED AP
2013-2014 Alamo ASHRAE President



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ALAMO ASHRAE MEETING NOTICE: MARCH 18, 2014

Topic: Negligent Misrepresentation Claims and How They are Affecting Engineers

Date/ Time: **March 18, 2014 / 11:30 am to 1:00 pm**

Location: **Oak Hills Country Club, 5403 Fredericksburg Road, San Antonio, TX**

Speaker: Adam J. Richie, P.E., Attorney-at-Law

Meeting Sponsor: **To be Determined**



Presentation Summary:

Adam Richie will discuss recent cases pending before the Texas Supreme Court involving the expansion of claims against design professionals under the theory of negligent misrepresentation.

About the speaker:

Adam Richie, P.E., LEED AP, is an attorney in the Construction/Surety Law practice group of Coats|Rose. Adam's work is concentrated primarily in legal matters involving transactions, litigation and insurance. He represents design professionals, owners, general contractors, and subcontractors in a variety of construction transactions and disputes. Adam is a licensed mechanical engineer who, prior to becoming an attorney, worked for almost 10 years as a project engineer/project manager for an engineering firm in Houston, Texas.

RSVP to Rezaur Raman @

rezaur@esaengineers.net

Cost: \$25.00 with RSVP

\$30.00 if no RSVP

\$2.00 Service Fee If Payment With CC

UPCOMING EVENTS: *ANNUAL GOLF CLASSIC*

Golf Tournament Entry Information



Alamo ASHRAE Chapter

American Society of Heating, Refrigeration & Air Conditioning Engineers

ANNUAL GOLF CLASSIC 2014

Benefitting ASHRAE Research & Scholarships

WEDNESDAY – APRIL 30, 2014



Location:

AT&T Canyon Course at TPC
23808 Resort Pkwy, SA TX 78261

Format: 4 Person Scramble

Check-in/Lunch:

Beginning at **11:45a.m.**
Location: **18 Oaks Restaurant**

Tee Off Time:

1:15 PM Shot Gun Start

Awards Ceremony:

Immediately after play
Location: **the Pavilion**

Entry Fee:

\$160 Per Player (Early Bird)
\$180 Per Player (After 3/14)

	Player Name	Company	Phone #	Email
1.				
2.				
3.				
4.				

* Make \$160.00 per player entry fee checks payable to: **Alamo ASHRAE Chapter**

* Pre-Pay for Mulligans: \$10 each (Max 1 Mulligan per Player)

* Pre-Pay for Raffle Tickets: \$10 each (or 3 for \$20)

* Mail entry form with check to:

Daniel Seltzer
US Wealth Management
18834 Stone Oak Pkwy., Ste. 104
San Antonio, TX 78258

daniel.seltzer@lpl.com
Phone: 210-541-9967
Fax: 210-858-0083

- Enter as entire team, partial team, or individual (The golf committee will form teams from partial teams)
- Limited to the first **144** players. Entries due by **April 11th** to play.
- **We anticipate this event to reach maximum capacity quickly so register today!**
- Call or email for details on sponsorship opportunities.
- Open to all engineers, owners, contractors, manufacturers and reps, wholesalers, clients and associates, industry friends, and all avid golfers (male & female)!

ALAMO ASHRAE GGAC — FEBRUARY 2014

This month we had our 1st regional conference call of the chapter government activity chairs. We discussed working together to contact local elected officials for state wide issues. The conference call was the week before National Engineers Week. We discussed proclamations at the state and municipal level. It was too late to get the state active on our behalf and the city had already been contacted by the Bexar County chapter of the Texas Society of Professional Engineers.

The other items we discussed were:

HB 5 – directed toward developing curricula to help students enter particular technical professions.

HB 1050 – a proposal to require that engineers and architects be hired on any public building project of over \$50,000.

SB 533 – Performance contracting Measurement & Verification. Want to encourage SECO who is in charge with developing standards on using the standard that ASHRAE has already established.

Updating codes for State Government Buildings.

In local news the Building Related and Fire Code Appeals and Advisory Board will begin reviewing the international family of codes this summer, once the codes are available. The advisory board will form subcommittees for each code.

OFFICER'S DIRECTORY—LOCAL CHAPTER

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Meeting Date & Topic: January 28, 2014 - Case Study on Office Design
Previous Meeting Attendance:

Aaron Caldwell, Andrew Rodriguez, Andrew Orton, Brad Bright, Brad Gilbert, Baron Phillips, Bill Wurzbach, Chris Garcia, Chuck Leske, Cowboy McCool, Don Barker, Eric Johnson, John Faultersack, John Freund, John Grothues, Jennifer King, Jennifer Schmidt, JD Samaniego, Kenner Coon, Mark Stehney, Rick Bright, Richard De La Cruz, Rey Gutierrez, Randy Kimberlin, Rocky Ormand, Rob Robbins, Rezaur Rahman, Todd Buck, Travis McLeod, Wes Weissgarber

BOARD OF GOVERNORS MEETING MINUTES



February 4, 2014



ALAMO ASHRAE

February MEETING MINUTES

February 4, 2013 – 11:30am-1:00 PM – EZ's Brick Oven & Grill

Presiding Officer: Rey Gutierrez

CALL TO ORDER

ROLL CALL: President – Rey Gutierrez, Treasurer – Aaron Caldwell, Governor – Chris Garcia, Governor – Todd Buck, Governor – Aaron Caldwell, RP – Dan Seltzer, YEA – Chris Delgado, Refrigeration – Fred Gleeson, GGAC Chair-Chris Garcia, Government Activities/GGAC Co-Chair – Fred Gleeson, Rey Gutierrez, and Chris Delgado, RP Committee- Gwendolyn Hays, UTSA Student Representative-Jairo De Samaniego, New Alamo member-Teresa Saldana

OFFICER & CHAIR REPORTS

Treasurer – Aaron Caldwell

- Financial Report
- Society Dues
- RP Donation Reimbursement check

CTTC – Brad Gilbert

- NL DoubleTree Downtown for February 18th meeting
- February 11, Joint SAME meeting on New Sustainability ratings
- Joint March meeting with SAME Rey coordinating
- YEA Webinar, HTS April sponsor
- Contact AIA for joint meeting

<http://directory.usgbc-centraltexas.org/event/>

Marketing/Leadership/Business Development Training for Officers and future leaders @ J.M. Waller,
February 5 11:30a.m.-1:30p.m.

RP – Dan Seltzer

- Golf Tourney Date, May 23
- RP committee, Dan, Gwendolyn, Rey, Wes, Todd and Rocky meeting January 30th to plan
- Golf Tournament
- Prizes for 1st, 2nd, and 3rd
- Crane golf ball drop
- Grandfather deadline end of Feb.
- Flyer
- PAOE Milestones

BOARD OF GOVERNORS MEETING MINUTES



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Student Activities – Mario Mijangos

April Meeting @ Trinity, Students to attend updates

Geek Bus, <https://rally.org/geekbus>

UTSA Engineers week in March, very interesting!

Teaming with SAME, advertise in NL

<http://www.eventbrite.com/e/2014-post-volunteer-call-registration-10078502071>

Round Table at UTSA for Engineers week scheduled for February 20, 5pm-7pm

Request SWAG from National

JD to coordinate with UTSA, BSE floor possible location

Rey to send out invite for professional representatives

YEA – Chris Delgado

Rescheduled Emerson/Liebert Presentation

Leadership U update

April Webinar sponsored by HTS

189.1 lunch presentation TBD

Newsletter – Baron Phillips

Golf Tournament, YEA, February Meeting announcement, SAME volunteer opportunities, UTSA

Round Table Engineer Week event

Website/Constant Contact

PDH Certificate

Grassroots Government Activities – Chris Garcia

Updates

Nat. Engineers Week Round Table Event

Newsletter Articles

Sustainability/189.1 presentation to local officials

Rey attended BRFCAAB Sub-committee meeting

Sustainability – Heather Holdrige

Joint SAME meeting February 11, “New Year, New Green Building Rating Systems”

189.1 Lunch n Learn, April 17 189.1 or BEQ

Webmaster – Matt Koch/Madison Bryer

Legere Graphic Arts proposal

BOARD OF GOVERNORS MEETING MINUTES



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Need to schedule meeting

Refrigeration – Fred Gleeson

Salof/GE refrigeration/cryo plant tour

April 1st Hockey Rink Tour

NEW BUSINESS

Presidential Award of Excellence (PAOE)

Update points (Monthly)

Contact your RVC!

Goals for 2014

ASHRAE Region VIII Officers: <http://region8.ashraeregions.org/officers.htm>

ADJOURN





TREASURER'S FINANCIAL REPORT: FEBRUARY 2014

ASHRAE Balance Sheet (2013-2014)

Current As Of: 2/14/2014

ASSETS

Current Assets

Checking/Savings

Checking

18,991.55

Money Market

8,122.04

Total Checking/Savings

27,113.59

Other Current Assets

Petty Cash

200.00

Total Other Current Assets

200.00

Total Current Assets

27,313.59



News

ASHRAE PRESS RELEASE—ANNOUNCEMENT

ASHRAE Publishes 2013 Editions of Refrigerant Safety Standards

ATLANTA – The 2013 editions of ASHRAE's major refrigerants-related standards, incorporating 41 new addenda, have been published.

Requirements in ANSI/ASHRAE Standard 34-2013, *Designation and Safety Classification of Refrigerants*, and ANSI/ASHRAE Standard 15-2013, *Safety Standard for Refrigeration Systems*, complement each other in that Standard 34 describes a shorthand way of naming refrigerants and assigns safety classifications based on toxicity and flammability data. Standard 15 establishes rules for safe application in equipment and systems when the refrigerant classification system. ASHRAE sells the standards as a set.

Standard 34-2013 contains the 2010 standard and 36 published addenda. Among the key changes incorporated into the standard are:

- assignment of designations and safety classifications for one new single compound refrigerant and 14 new refrigerant blends.
- changed the refrigeration concentration limits (RCL) values of 19 refrigerants listed in the 2010 standard to comply with more current methodology.
- changed the flammability safety classifications of four refrigerants from Class 2 to Subclass 2L, based on optional burning velocity measurement data.
- added Toxicity Code Classification assignments for 18 refrigerants that had been unassigned in the 2010 standard.
- clarified methodology for conducting flammability tests and for determination of fractionated compositions for flammability testing.
- updated methodology by which the heat of combustion is calculated for refrigerant blends, and provided heat of combustion calculation examples for refrigerant blends.
- defined requirements that applicants shall provide evidence of the existence of an azeotropic blend, if requesting an R-500 series designation.
- modified sections of the standard to add bubble-point and dew-point definitions and test conditions, clarified applicant documentation requirements related to GLP compliance and added critical pressure data and specific volume calculation methodology for applicant submissions.

Standard 15 contains the 2010 standard plus five published addenda. Key changes to the standard include:

- clarification of the location requirements for machinery room mechanical ventilation.
- clarification that design pressure is expressed in terms of relative pressure or gauge pressure (not absolute pressure).
- wording to ensure the standard more closely harmonizes with the 2012 International Mechanical Code (IMC) section 1101.10.

Standard 15-2013 and Standard 34-2013 are sold together. The cost is \$107 (\$89, ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

For Release:
Feb. 3, 2014

Contact: Jodi Scott, Public Relations
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jscott@ashrae.org



News

ASHRAE PRESS RELEASE—ANNOUNCEMENT

Mother Nature Can't Stop High Attendance for ASHRAE Conference, AHR Expo

ATLANTA—Even Winter Storm Janus couldn't deter the thousands of attendees of the ASHRAE 2014 Winter Conference. In spite of the snow storm, the Conference, held Jan. 18-22, in New York City., saw over 2,800 attendees.

Additionally, the ASHRAE co-sponsored AHR Expo, held in conjunction with the Conference, saw record numbers. According to Show organizer International Exposition Company, a total of over 61,000 attendees (42,991 visitors and 18,219 exhibitor personnel) registered for the 2014 AHR Expo. HVACR professionals from all 50 states and over 130 countries braved the elements to see the latest products and technologies on display from over 1,900 exhibiting companies from around the world. Pending verification, these figures make the 2014 AHR Expo the event with the highest registered attendance in the history of the exposition.

The Conference's Technical Program ranked high in attendance, addressing trends in tall building, international design and building information systems, to name just a few topics. Individual top-attended sessions in the technical program were "Commercial Building Energy Efficiency and High Performance HVAC," which was a student sponsored session; "Designs for Thermal Comfort and Energy Savings: Real Practices in School and Office Buildings;" "Efficient Technologies That Are Also Economically Sustainable, Part 3 of 3: Thermal Energy Storage (TES) and Complementary Options;" "Effective Best Practices for Successful Building Systems Commissioning;" and "Getting to Green: Where's the Value in 'Next Level' Operations and Retro-cx? And your Energy Audit is Worthless...or is it?"

Also offered were a combined 23 courses—eight Professional Development Seminars and 15 Short Courses—from the ASHRAE Learning Institute. The most popular offerings among the Short Courses were "High-Performance Building Design: Applications & Future Trends;" the new "Designing High-Performance Healthcare HVAC Systems;" "Troubleshooting Humidity Control Problems;" and "Energy Efficiency in Data Center." Popular Professional Development Seminars included "Commercial Building Energy Audits;" "Energy Modeling Best Practices & Applications;" and the new "Introduction to Building Enclosure Commissioning."

Among the top selling publications were "ASHRAE GreenGuide, 4th ed.;" "HVAC Design Guide for Hospitals and Clinics, 2nd ed.;" "Refrigeration Commissioning Guide;" "Pocket Guide, 8th ed.;" "District Heating Guide;" ANSI/ASHRAE Standard 62.1-2013, *Ventilation for Acceptable Indoor Air Quality*; ANSI/ASHRAE/IES Standard 90.1-2013 (I-P), *Energy Standard for Buildings Except Low-Rise Residential Buildings*; and ANSI/ASHRAE/ASHE Standard 170-2013, *Ventilation of Health Care Facilities*.

ASHRAE's 2014 Annual Conference takes place in Seattle, Wash., June 28-Jul. 2. More information can be found at www.ashrae.org/seattle.

For Release:
Feb. 6, 2014

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News

ASHRAE PRESS RELEASE—ANNOUNCEMENT

New ASHRAE, Green Grid Publication Provides Background on Data Center Metrics

ATLANTA— Power usage effectiveness (PUE™) has become the industry-preferred and globally adopted metric for measuring the energy efficiency of data centers. In response to this demand, ASHRAE and The Green Grid have published “PUE™: A Comprehensive Examination of the Metric.”

This is the 11th book in the Datacom Series of publications from ASHRAE Technical Committee (TC) 9.9, Mission Critical Facilities, Data Centers, Technology Spaces and Electronic Equipment. ASHRAE TC 9.9 collaborated with The Green Grid on the book.

“Our primary goal is to provide the data center industry with unbiased, vendor neutral data in an understandable and actionable way and this latest publication on the PUE metric does exactly that,” Don Beaty, publication subcommittee chair of TC 9.9, said. “We want to ensure that data center designers, owners and operators have access to information that enables them to make informed and educated decisions based on their business needs and value systems.”

For this book, all previously published material related to PUE was consolidated and augmented with new material. The content includes detailed information on procedures for calculating, reporting and analyzing PUE measurements, plus quick references to other resources in print and online. The intention is that a broad audience—from those implementing and reporting data center metrics seeking in-depth application knowledge and resources to executives hoping to gain a higher level of understanding of the concepts surrounding PUE—can easily grasp the guidance offered.

“Data centers are complex systems for which power and cooling remain key issues facing IT organizations today,” John Tuccillo, chairman of the board for The Green Grid Association, said. “The Green Grid Association’s PUE metric has been instrumental in helping data center owners and operators better understand and improve the energy efficiency of their existing data centers, as well as helping them make better decisions on new data center deployments.”

PUE was first defined by The Green Grid, a non-profit, open industry consortium of end users, policy makers, technology providers, facility architects and utility companies working to improve the resource efficiency of information technology and data centers throughout the world.

The cost of “PUE: A Comprehensive Examination of the Metric” is \$59 (\$50 ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or [click here](#).

For Release:
Feb 14, 2014

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