



ASHRAE San Diego Newsletter



American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

REGION X

Volume 2, Issue 11

www.ashraesd.org

November 2010

November Meeting

Membership Promotion Month!!

**Have lunch on us! See page 4 for
details!**

Tuesday, Nov 9th

11:30-12:00: Sign In
12:00-12:20: General Introduction & Announcements
12:20-1:20: Lunch & Speaker
1:20-1:30: Raffle & Adjourn

The Butcher Shop
5255 Kearny Villa Rd.
San Diego, CA 92123 (858) 565-2272

RSVP by calling or emailing your reservation to:

Heather O'Donnell
Phone (858) 391-7014 Email: Heathero@climatec.com

**Have you checked out the
NEW and IMPROVED
ASHRAE website?**

**Visit www.ashraesd.org TODAY to get
everything you need to know on events,
news. and more!!**

ASHRAE San Diego Chapter Meeting

"Zero-Clearance Grease Duct Technology"

The topic will cover the various materials and methods available for venting kitchen appliances in which grease fume collection and accumulation as well as external surface temperatures are primary concerns. The presentation describes traditional grease ducting options in comparison with newer technologies that have been developed to address these concerns. The features of various types of grease duct will be discussed, bringing to light the advantages and disadvantages of each venting option as well as providing a detailed overview of newer technologies, specifically factory fabricated systems allowing for zero clearance to combustibles.

This month's speaker is Glen Edgar. Glen Edgar is the Vice President of Research & Development for Selkirk Corp and is responsible for overseeing R&D group efforts for Selkirk's North American venting systems.

Glen is a degreed Mechanical Engineer from Michigan Technological University in Houghton, MI and has been with Selkirk for 21 years. Prior to joining Selkirk he spent 7 years with Underwriters Laboratories, Inc. in Northbrook, IL conducting safety certification investigations of a variety of products including solid fuel fired stoves, fireplaces, chimneys and gas venting products and fire rated door assemblies.

INSIDE THIS ISSUE

- 1 November Meeting Information
- 2 Presidents Message
- 3 Calendar of Events and Seminars
- 4 Membership Promotion, Letter from Editor
- 5 Holiday Party Details, 2011 Winter Conference
- 6 TA Hydronic College
- 7 Officers/Committee Members, Membership Update
- 8 ASHRAE Scholarship Program
- 9 2011 Winter Conference Details
- 10 2011 Winter Conference Free Pass, ASHRAE Foundation
- 11 Herbert Hoover Message, YEA!

President's Message

The ASHRAE year is well underway. Many thanks to our Programs Chair Dennis Christie for putting on our October meeting at the Butcher Shop. 72 people, including 7 past presidents heard Dave Benson speak. Dave discussed ratings and overall efficiencies for air handlers and proposed performance metrics including annual operating costs with actual dollar incentive targets. It was a very interesting and informative discussion. The raffle was one of the best ever with all proceeds going to ASHRAE Research. Big thanks to sponsor Climatec for donating these great prizes! The next meeting on Nov 9 is also at lunchtime at the Butcher Shop and features a technical discussion on zero clearance grease duct technology. I hope to see you there.

I mentioned at the chapter meeting that ASHRAE is the keynote sponsor in this year's National Engineers Week awards banquet at USD February 25th. Bruce Brown is heading up the planning for this event for our Chapter and is looking for your input for projects and professionals worthy of recognition for the following Awards: Tom Kanneman Service Award, Outstanding Engineer Award, Outstanding Engineering Educator Award, Outstanding Engineering Project Award. Ideas for projects and individual awards are needed by Dec 1. We really want to showcase the local HVAC&R community by recognizing excellence that our members are associated with. Please email Bruce at Carl.B.Brown@jci.com with any suggestions or ideas.

The election is upon us and we are all getting bombarded by political ads and bantering. This election is a pivotal one. Many issues related to our profession are at proverbial cross roads. We have a duty to influence those around us to participate in this process. Don't forget to vote on Nov 2nd. To see ASHRAE position papers and efforts by your Society underway in the halls of legislature please visit <http://www.ashrae.org/advocacy/>.

The following is my personal opinion and not that of the Chapter or Society. There are three issues that really bother me (related to our profession):

- 1) The existence of OSHPD and the negative economic impact that State Department has on our State government. With the implementation of the shaker tests, 6-8 month additional plan review times and hundreds of State government employees, I fail to understand the benefit to the taxpayers. Eliminating or significantly reducing OSHPD would save taxpayers and health care literally hundreds of millions of dollars. There is no reason that most CA metropolitan building departments can review plans for compliance with OSPHD Codes. Shaker tests are great and much has been learned, but it is getting out of control. So do you want a brand new chiller or air handler that's been shaken at 1.5g installed in your new hospital? The cost add and additional time to comply with these requirements gets passed on to you and me via increased health care costs.
- 2) Military projects and the associated controls scope and costs are out of control (no pun intended). Unbelievably, the typical cost of construction for a DDC controls system for a military project in the NAVFAC area is just about DOUBLE the cost of the mechanical system for both large and small projects! The AWEMS spec requires so much data monitoring, much of it redundant, that it would take building full of analysts years to process the data with little to no net benefit. Something needs to change and our members should work together to figure out a way.
- 3) Heat rejection to San Diego Bay. It just about takes an act of Congress to even consider rejecting heat to a body of water. With regulation by the State Air Resources Board, Costal Commission, Port District, Fish and Game, etc, etc, it is currently way too complex for projects to consider an obvious, sustainable heat rejection solution to facilities adjacent to or near the Bay. Sure this solution costs more up front, but the benefits of this sustainable solution could significantly outweigh the disadvantages. If considered from an energy standpoint, there are valuable efficiencies to be gained with a larger potential temperature difference and a more consistent heat sink temperature. Other benefits include the gain of valuable real estate to a project, less water consumption and less noise.

In light of the economic times, the push for "change" and the mandate to go green, it's clearly time for those of professional skill and knowledge to push innovative approaches and technologies. Now is not the time to stagnate under old and outdated rules or become bogged down by the ever increasing bureaucracy. We need people like our members to be heard and to influence change for the betterment of our Society. I invite you to consider the words of Herbert Hoover elsewhere in this newsletter.

The Holiday season is nearly here and it's amazing how time flies by. Our Holiday Party is coming in Dec 14th. Save a \$45 and register by Nov 15th. Check out <http://www.ashraesd.org/2010holiday.pdf> I hope that you continue to find value in your ASHRAE membership. If you're not, then please let me know how we can better serve you. Have a safe and productive November!

- Mark E. Richards P.E.

OCTOBER DATES TO REMEMBER

THRU 10/31: FALL ON THE FARM, BATES NUTS FARM, VALLEY CENTER, CA
THRU 10/31: ANNUAL JULIAN FALL APPLE HARVEST DAYS, JULIAN, CA
THRU 10/31: PUMPKIN STATION, DEL MAR FAIRGROUNDS
THRU 10/31: HAUNTED HOTEL, GASLAMP
THRU 10/31: SCREAM ZONE, DEL MAR FAIRGROUNDS
THRU 10/31: HAUNTED TRAIL OF BALBOA PARK, BALBOA PARK
10/01-10/03: MARINE CORPS AIR STATION MIRAMAR AIR SHOW, MCAS MIRAMAR
10/01-10/03: OCTOBERFEST 2010, LA MESA
10/02: SAN DIEGO TOUR DE FAT: BICYCLE PARADE AND FESTIVAL, BALBOA PARK
10/02: WALK NOW FOR AUTISM SPEAKS, LIBERTY STATION
10/02: 4TH ANNUAL SEA WORLD SHAMU & YOU FAMILY WALK, MISSION BAY
10/8-10/09: FALL ROD RUN, TEMECULA
10/09: 5TH ANNUAL WALK ON THE WILD SIDE, SAN DIEGO ZOO, BALBOA PARK
10/09-10/10: 2ND ANNUAL LA JOLLA ART & WINE FESTIVAL, LA JOLLA
10/10: 16TH ANNUAL LITTLE ITALY FESTA, LITTLE ITALY
10/16: AFSP OUT OF THE DARKNESS WALK, EAST MISSION BAY
10/16-10/17: 29TH ANNUAL MS BAY TO BAY BIKE TOUR, HUNTINGTON BEACH TO MISSION BAY
10/17: IT'S A GREEN DAY FESTIVAL, LA JOLLA
10/18: SAN DIEGO TRIATHLON CLASSIC, POINT LOMA
10/20: ANNUAL BUSINESS EXPO, VISTA BUSINESS PARK
10/22-10/24: AUTUMN HARVEST FESTIVAL, CARLSBAD VILLAGE
10/23: FALL FACELIFT 2010, CITY HEIGHTS
10/23: ALZHEIMERS ASSOCIATION MEMORY WALK, BALBOA PARK
10/31: 10TH ANNUAL MONSTER BASH, GASLAMP
10/31: ONCE UPON A HALLOWE'EN, OLD POWAY PARK

SAVE THE DATE

12/14/10 : ASHRAE HOLIDAY PARTY, HARD ROCK, GASLAMP
01/29/11-02/2/11: ASHRAE WINTER CONFERENCE. LAS VEGAS. NEVADA

SEMINARS & CLASSES

FOR MORE INFORMATION ON ALL SEE WWW.SDGE.COM

ALL CLASSES LOCATED AT:

SAN DIEGO ENERGY RESOURCE CENTER
 8690 BALBOA AVE, STE. 100
 SAN DIEGO, CA 92123

SOLAR TECHNOLOGY SERIES

DATE: MONDAY, 10/04/10, 3:00 PM- 5:00 PM

ENERGY MANAGEMENT SYSTEMS

DATE: WEDNESDAY, 10/06/10, 8:00 AM- 3:00 PM

ENERGY STAR PORTFOLIO MANAGER ENERGY PERFORMANCE TOOLS

DATE: THURSDAY, 10/07/10, 8:30 AM- 11:30 AM

LUNCH AND LEARN: THE GEOTHERMAL HEAT PUMP SYSTEM

DATE: WEDNESDAY, 10/13/10, 11:30 AM- 1:00 PM

IS YOUR ENERGY STARTING TO BOIL? ENERGY EFFICIENCY MEASURES FOR BOILERS

DATE: THURSDAY, 10/21/10, 8:00 AM- 12:00 PM

ENERGY STAR BEST PRACTICES

DATE: TUESDAY, 10/26/10, 8:30 AM- 11:30 AM

October 2010

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 Miramar Air Show thru the 3rd 	2 San Diego Tour de Fat 
3 	4	5	6	7	8	9 
10 Little Italy Festa 	11	12  LOCAL ASHRAE	13	14	15	16 AFSP Out of the Darkness Walk
17 It's a Green Day Festival, La Jolla 	18 San Diego Triathlon 	19	20	21	22 Autumn Harvest Festival thru 24th 	23
24	25	26	27	28	29	30
31 						

Help Us Recruit New Members – Have Lunch on Us!

-Eric Glatzl, P.E., LEED AP

Membership Promotion Chair, 2010-11

ASHRAE is always looking for new and better ways to spread the importance of being a member especially if you work in the HVAC & R industry. For those of you reading this article, I do not need to tell you why it is important (and necessary) for you to be members of ASHRAE.

But you can help us recruit new members and spread the word of ASHRAE!

If you bring a non-member guest to the November meeting on Tuesday, November 9, 2010, and they join ASHRAE at that meeting (give me a check and complete an application), you and your newly signed up guest eat for FREE. That's right...FREE. The meal is on us. It's our way of saying thank you for helping the San Diego Chapter grow.

In order to get your free meal(s), come find me, Eric Glatzl – Membership Chair, at the sign in desk (I'll be "damn glad to meet you") and I'll take care of you!

Remember, in order to get your free meal(s), you must sign up for ASHRAE and give me your check at the meeting. The check shall be made out to "ASHRAE" and shall be in the amount of \$215.00. Filling out the application and sending in your check at a later date will not get you a free meal I'm afraid.

Please note, no cash or credit cards will be accepted when new members sign up. Checks only.

To help you recruit new members, below is a short list of why it is awesome being a member of ASHRAE:

1. Discount on ASHRAE products (books, standards, conferences, etc.)
2. Leadership training and development of professional skills
3. Career services and employment possibilities
4. Continuing education, keeping up with current technology, and access to current HVAC Industry information
5. Networking opportunities and monthly and annual events for technology, employment, and projects
6. A chance to become a chairperson or an officer- to gain an experience that will have value on professional resumes
7. Industry respect through ASHRAE affiliation, and/or volunteer-ship
8. Access to \$2.9 million dollars (this year alone) worth of research information in the industry
9. To help make a difference in the engineering world
10. Be a part of a society that makes the world a better place to live in by enhancing the air we breathe, improving workplace environment, and by creating a better quality of life by providing sustainable solutions
11. For FUN and a sense of true accomplishment

Letter from the Editor

Jennifer Felsburg

Trane

Would you like to promote your company thru the newsletter?

Get a free month post when you contribute to the newsletter. You can write an article on HVAC related news, share photos from ASHRAE events, or write a recap of a meeting...If you would like to contribute, please email your submission by the 24th of the month. Email any questions/comments to jjdriscoll@trane.com.

Or you can advertise as follows:

Business Card 6 Issues; \$80

Business Card 12 Issues; \$140

Half Page (4.9" tall x7.25" wide) Ad 1 Issue; \$50

Half Page (4.9" tall x7.25" wide) Ad 3 Issues; \$125

Full Page (9.8" tall x7.25" wide) Ad 1 Issue; \$100

Full Page (9.8" tall x 7.25" wide) Ad 3 Issues; \$250

Submissions: Due by 24th of the month for inclusion in the newsletter issued on the 1st. Email submissions to: jjdriscoll@trane.com please include "ASHRAE SD Newsletter Ad" in the subject line.

Leak-Free Packing, and Self Forming "Gasket on a Spool"

**Steam, Utilities, HVAC, Hydro,
Nuclear, Chemical, Marine**

SLADE

Patented Sealing Products

"The Mechanical Seal on a Spool"

Valves (Life Time Warranty),

Pumps- 15% Amp. Reduce Ave,

No Leak

Pyro-Tex Gasket Sheet

Chillers "Self-Forming Gasket"

www.kijinc.com "Go to Slade"

Sales & Service

Phone: 619-301-7370

Phone: 760-622-8011

Announcing... The 2010 Annual ASHRAE Holiday Party

It's back. And it's bigger, badder, and better than ever...



If you were able to join us last year, then you know what to expect. For those of who missed the party of the year in 2009, be sure to join us for the party of the decade in 2010. More food, fun, casino games and music are sure to entertain and this year we are stepping up the raffle prizes too. Come out and support ASHRAE Research Promotions while networking with a great crowd and having a great time!

When: Tuesday, December 14th, 5:30-10:00pm, OPEN BAR 6:30-8:30pm

Where: Hard Rock Café, 801 4th Avenue, Downtown San Diego

Why: All Proceeds will be donated to ASHRAE Research Promotions



Sponsorship Opportunities

High Roller Bar Sponsorship: \$3,300 - Includes Dinner/reserved table for 8 and Recognition throughout event and printed on gifts give to all attendees

Black Chip Sponsor: \$1,650 - Includes dinner/reserved table for 6 and sponsorship recognition

Blue Chip Sponsor: \$1,100 - Includes dinner/reserved table for 4 and sponsorship recognition

Red Chip Sponsor: \$550 - Includes dinner/reserved table for 2 and sponsorship recognition



Rock this Way



TICKETS ARE AVAILABLE FOR PURCHASE UNTIL THE DAY OF THE EVENT. SEE BELOW FOR ADVANCE DISCOUNT PRICING:

RSVP by Nov 15th - \$95 per person

RSVP after Nov 15th - \$120 per person

Purchase Ticket at the door - \$140 per person

Once again, ASHRAE San Diego will be supporting the Toys 4 Tots program. Bring a new, unwrapped toy to the party to receive an extra raffle Ticket!

→ RSVP to Andy Nash at anash@umec.com

Questions? Please contact:

Heather Schoppelin at 707-318-4307 or Cindy Hyatt at 858-254-7458

CALLING ALL AUTHORS!!!

Do you enjoy writing and sharing with your fellow HVAC professionals? Here in ASHRAE, we encourage all members to share their experiences, thoughts, photos, stories and ideas with one another in the immense forum available to our membership.

The San Diego ASHRAE chapter is actively looking for HVAC related articles to be included in our monthly newsletter. By submitting an article, you may become eligible for a free post in our monthly newsletter. Please contact our editor, Ms. Jennifer Felsburg at jjdriscoll@trane.com with your submission or for more information regarding the San Diego Chapter newsletter.

Likewise, our society publication, *Insights*, also seeks content from our membership on an ongoing basis. The *Insights* newsletter is distributed to our membership every other month with the ASHRAE journal and is available electronically at <http://www.ashrae.org/publications/>. If you have an article that you would like to share with Society, please contact myself at cindyh@tmmechanical.com or log on to the Society publications page for further instructions.

The San Diego HVAC community has a voice – LET IT BE HEARD!

Warmest Regards,
Cindy Hyatt

San Diego Chapter Publicity/Welcoming Chairperson

Stay In Touch...

Times goes by and schedules get filled faster than we know, but the ASHRAE San Diego Chapter wants to keep in touch with you and make sure that you are always aware of the latest events, seminars, and that you can reach us at any time. That's why we are always striving to create new ways to stay in touch with our membership. Please visit us at one of the following resources anytime and follow the links to contact one of our board members and/or committee chairs directly:

The San Diego Chapter Website: www.ashraesd.org

SD Chapter Facebook Page: <http://www.facebook.com/group.php?gid=238450684264&ref=ts>

SD Chapter YEA Facebook Page: <http://www.facebook.com/group.php?gid=238450684264&ref=ts#/group.php?gid=96582132713&ref=ts>

We hope to hear from you soon and see you at the upcoming monthly chapter meeting! Please do not hesitate to contact our Publicity Chair, Cindy Hyatt, at cindyh@tmmechanical.com or our Website Administrator, Devin Abellon, at Devin.Abellon@uponor.com if you have any comments or suggestions for our sites.

The TA Hydronic College is coming to Los Angeles to present "The Three Hydronic Conditions"

Tour & Andersson, a worldwide leader in hydronic systems engineering for over 100 years, is proud to present our popular seminar series to consulting engineers in SoCal, covering:

- The three key conditions necessary for hydronic control
- Relating typical symptoms to system faults
- Balancing to ensure optimum indoor climate

Join us **November 16th** at the new Regal Cinemas at L.A Live, 800 West Olympic Boulevard in Los Angeles. The seminar is free. Attendees will receive attendance certificate for PDH, complimentary dinner and refreshments, and the book "Total Hydronic Balancing" by Robert Petitjean.

Register now at www.TAHydronicCollege.com

Please visit our web site for latest information.



Devin A. Abellon, P.E.
Business Development Manager
Engineering Services

Tel: (760) 448-5860
(800) 321-4739
Cell: (760) 902-4879
www.uponor.com

devin.abellon@uponor.com

uponor

The Industry Leader in
Radiant Cooling Systems
and Controls

Uponor, Inc.
6025 Paseo Carreta
Carlsbad, CA 92009

T&M

MECHANICAL SALES CO.

215 S. Hwy 101, Ste. 107, Solana Beach, CA 92075
Tel: 858.481.6176 Fax: 858.259.7796
sales@tmmechanical.com
www.tmmechanical.com

Specializing in:

- Boiler, Engine & Water Heater Exhaust Flues
- Fan Coil Units
- Computer Room A/C Units
- Fin Tube Radiation Units & Convectors
- Flow Control Valves
- Process Chillers

2010-2011 OFFICERS & CHAIRS

OFFICERS:

President: Mark E. Richards, P.E.
Emery Mechanical Engineering, Inc.
6653 Cowles Mountain Blvd.
San Diego, CA 92119
(619) 464-5348
mark@emeng.com

President-Elect: Dennis Christie
Climatec, Engineered HVAC Solutions
13715 Stowe Drive
Poway, CA 92064
(858) 391-7000
dennisc@climatec.com

Vice-President: Daniel Noto, P.E.
United Mechanical Consultants
4660 La Jolla Village Drive, Suite 500
San Diego, CA 92122
(858) 550-1454
d.noto@united-mechanical.com

Secretary: Rebecca Haehn
Trident Technologies
7425 Mission Valley Rd., Suite 207
San Diego, CA 92108
(619) 688-9600
rhaehn@tridenttech.com

Treasurer: Heather Schopplein, P.E.
Ph: (707) 318-4307
ashraesandiegotreasurer@gmail.com

BOARD OF GOVERNORS:

Walter Houle., Past-President
C. Bruce Brown
Hugh Egan
Jennifer Felsburg
Eric Glatzl, P.E.
Jerry Hartford, P.E.
Tim Hermann, P.E.
Cindy Hyatt
Mark Silke
Mike Techner

COMMITTEE CHAIRS:

Attendance/Reception:

Heather O'Donnell

Auditing:

Jim McKinley, P.E.

CTTC Committee:

Tim Hermann, P.E. – Chair
Dennis Christie (Programs)
George Misleh (Refrigeration)
Jerry Hartford, P.E.

Finance:

Heather Schopplein, P.E.

Historian:

Terry Erickson

Honors and Awards:

Walter Houle

Membership:

Eric Glatzl, P.E.

Mentoring:

Bill Reagan

Newsletter:

Jennifer Felsburg

Nominating Committee:

Mike Burgess, P.E.

PAOE:

Daniel Noto, P.E.

Publicity/Welcoming:

Cindy Hyatt

Devin Abellon, P.E.

Research Promotion:

Andy Nash

Special Events:

Mark Silke

Student Activities:

Mike Techner

Website:

Devin Abellon, P.E.

YEA:

Kevin Blankemeier

ASHRAE San Diego Foundation

Board of Directors:

Walter Houle
Mike Frazier
Jim McKinley, P.E.
Chuck Poindexter
Bill Reagan



ALTURDYNE

ISO 9001-2008 Registered

**Gas Engine Chillers 20-300 Tons
Cogeneration Generator Sets**

www.alturdyne.com

San Diego Sales Office



Commercial Systems/Southern California

3565 Corporate Court

San Diego, CA 92123

Office (858) 576-2500

Fax (858) 576-2554

www.trane.com



Update your Bios and Upgrade your Membership on ASHRAE.org

Have you been a member of ASHRAE for ten, fifteen, even twenty years, and your Membership certificate and card stills says, "Associate Member?" Wouldn't you like that to say "MEMBER" instead?

You can, easy...for free...and all it takes is about ten minutes of your time. AND...you can do it anytime, anywhere with internet access. Here's how:

1. Update your member bio / profile at www.ashrae.org
2. Send an email to membership@ashrae.org and say the following: "I have an updated bio and wish to be considered for member grade advancement. Please review my biographical information at your earliest convenience."
3. Wait about a month and receive your NEW certificate in the mail declaring your grade as "MEMBER."
4. Frame new certificate and be the envy of all your co-workers.

Seriously, that's all you need to do. It costs you nothing. You have to print and mail nothing. You have to call nobody. Do it all online and via email when you have a few minutes and you're good to go.

What happens once you become an actual member? Well, you can now become a Chapter officer if you so choose, or even, become active at a Regional or National level of ASHRAE. Exciting stuff.

If anyone has any questions, comments, or concerns about ASHRAE Membership, please do not hesitate to contact me at 858-244-0360 or email me at eglatzl@syska.com.



In the HVAC&R industry, economizers are used to reduce heating and cooling costs. The ASHRAE scholarship program also serves as an economizer, helping reduce the financial burdens of obtaining your engineering education. Without *you*, the future leaders of the HVAC&R industry, we at ASHRAE wouldn't be able to do what we do. So through our scholarship program, we aim to help you do what *you* do—learn. Apply today!

ASHRAE has awarded nearly 200 scholarships during the past 20 years totaling more than \$925,000. Nearly \$80,000 in scholarships is available for the 2011-12 academic year.



ASHRAE is offering two scholarships for high school seniors entering their freshman year of college.

www.ashrae.org/scholarships—Apply Today!

"ASHRAE's scholarship has helped me cover my tuition expenses and materials, giving me the opportunity to satisfactorily fulfill my undergraduate degree. Not only has the help been economical, but it also helped me develop a genuine interest in this field. With this aid, I only have to focus on being well prepared so I can become a change agent within the HVAC&R industry. For this reasons I'm extremely grateful to ASHRAE and hope they'll continue supporting future engineers."



Jacob Vazquez, ITESM (Instituto Tecnológico y de Estudios Superiores de Monterrey) (Mexico), Region VIII Scholarship



"The Reuben Trane scholarship has solidified my involvement in the HVAC industry and been instrumental in financing my education. It has opened doors for me to further integrate ASHRAE into my educational experience. As well, it has sparked the creation of the first McMaster University ASHRAE Student Branch, bringing my education even closer to the tremendous support and resources available through the ASHRAE network. I look forward to a long career in the HVAC industry."

Benjamin Oliver, McMaster University (Canada), Mechanical Engineering and management, Reuben Trane Scholarship

Application deadlines

Dec. 1, 2010-undergraduate engineering, regional and university-specific scholarships

May 1, 2011-undergraduate engineering technology scholarships and high school seniors scholarships

Other great resources to help you in engineering your future can be found at the [ASHRAE StudentZone](#)



ASHRAE Holds the Sustainability Cards

Join ASHRAE at the 2011 Winter Conference, Jan. 29–Feb. 2, Las Vegas, Nevada



A full-house of professional and personal development activities are offered!

Technical Program—focused on the efficient use of energy, the greening of the industrial base, the real cost of zero-energy design

Virtual Conference—if you can't make it to Las Vegas, don't miss out on the knowledge shared in the technical program with the Virtual Conference

AHR Expo—the ASHRAE co-sponsored AHR Expo takes place Jan. 31–Feb. 2 at the Las Vegas Convention Center. www.ahrexpo.com

ASHRAE Certification—launch of a sixth certification program, targeting building energy assessors. Five existing certification programs also offered

ASHRAE Learning Institute—offers six Professional Development Seminars and 14 Short Courses – includes a new course on building energy modeling and updates to courses covering Standards 62.1 and 90.1

Register before
November 5 and SAVE!

The early bird fee is \$505
(\$685 non-members)



www.ashrae.org/lasvegas

ATLANTA—Las Vegas, Nev. continues to build upon its reputation as a vibrant showcase for the extraordinary by offering the grandest hotels, the biggest stars in entertainment and, of course, the brightest lights. It's no wonder that the world's biggest HVAC Expo and the largest membership-based HVAC&R engineering society have chosen the city as the site of the ASHRAE 2011 Winter Conference and AHR Expo.

The extravagant setting of Las Vegas serves as a unique contrast to ASHRAE's Winter Conference theme of A Safe Bet: Zero-Energy Design. It is sure to highlight the importance of finding the balance in design. The 2011 Winter Conference takes place January 29–February 2 at the Las Vegas Hilton. The International Air-Conditioning, Heating, Refrigerating Expo®, held in conjunction with the Winter Conference, will run January 31–February 2. The Expo is held at the Las Vegas Convention Center, a short distance from the Hilton, the Conference headquarters hotel.

In keeping with ASHRAE's goal of continuing education the Conference offers over 200 Professional Development Credits, as well as Continuing Education Units, which can be applied toward a Professional Engineering license.

The technical program features more than 90 programs and 300 speakers addressing the efficient use of energy in new and existing buildings, refrigeration updates, applications including data centers, laboratories, healthcare facilities, the real cost of zero-energy design and other topics related to design, standards, codes and professional skills. Nearly all of the technical program sessions will be approved for NY PDHs and by USGBC for GBCI CE hours for LEED professionals. The Las Vegas Virtual Conference, included with paid attendees' registrations, will be available to non-attendees.

Six Professional Development Seminars and 14 Short Courses are offered to help industry professionals stay up-to-date on industry trends. ALI offers a new course on building energy modeling that focuses on HVAC&R systems and updates to courses covering Standards 62.1 and 90.1 to reflect changes in the 2010 versions of these standards from previous versions.

Additionally, ASHRAE continues to listen to the market and launches a sixth certification program in conjunction with the 2011 Winter Conference. This new program targets Energy Assessors/Energy Auditors and is appropriate for those individuals who perform energy assessments or audits for commercial, industrial or residential buildings. More information can be found at www.ashrae.org/certification.

This winter's technical tours spotlight how technology developed by ASHRAE members is practically applied to buildings and include the central plant at Planet Hollywood and MGM Center and Springs Preserve.

When members are not attending courses at the Conference, observing the technological advancements featured at the AHR Expo or touring the local sustainable buildings there are numerous general tours such as Hoover Dam, Springs Preserve, the Venetian Grand Canal Shoppes, the Bodies and Titanic exhibits and the Las Vegas Strip.

Those who take part in the early-bird registration before December 31 have the opportunity to save up to \$195. Complete information is available at www.ashrae.org/lasvegas.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.



Jan. 31- Feb. 2, 2011
Las Vegas Convention Center
Las Vegas, Nevada



VIP INVITATION

**Bring this Ticket
to the Show for FREE
Exhibit Hall Registration**

**SAVE
\$20!**

COMPLIMENTS OF:

Your ASHRAE Chapter

AO1

Or Register FREE Online at: **www.ahrexpo.com**
Register Online by January 2, 2011 Deadline - to have your badge mailed to you!



JANUARY 31 - FEBRUARY 2, 2011
Las Vegas Convention Center, Las Vegas, NV

SHOW DATES AND HOURS:

Monday, January 31 10:00am - 6:00pm
Tuesday, February 1 10:00am - 6:00pm
Wednesday, February 2 10:00am - 4:00pm

GO LAS VEGAS...and Save!

For best Hotel and Travel Discounts go to:
www.ahrexpo.com

Produced and managed by:
INTERNATIONAL EXPOSITION CO.
100th Anniversary 1911-2011



TEST DRIVE What's NEW!

- **Demo** Thousands of New Products from over 1,800 Exhibitors to Work More Efficiently, Profitably.
- **Get updated** on the New Industry Standards, Government Initiatives and Incentive Programs.
- **Explore** the latest Sustainable Building & Alternative Energy Solutions, Automation & Networking Technology, Software, and more.
- **Attend** Seminars and Workshops on Industry Trends, Green Building Initiatives, Industry Best-practices, and much more.

FREE Online Registration and Show Information at: www.ahrexpo.com
Or bring this card to the Show for FREE onsite registration

Register Online by January 2, 2011 Deadline - to have your badge mailed to you!
No one under 16 admitted. 16-17 must be accompanied by an adult.

ASHRAE SAN DIEGO FOUNDATION

Seeking Nominations

Nominations for the ASHRAE San Diego Foundation Board are being sought. All members of the San Diego Chapter in good standing are eligible nominees. The ASHRAE San Diego Foundation is a separate 501(c)3 organization responsible for the long range financial planning for the charitable goals of the chapter. Terms will begin January, 2011.

All members of the San Diego Chapter are members of the Foundation. In December you will be asked to vote electronically for the Foundation Board. Your response is critical and appreciated.

Submit your nominations to Bill Reagan at Bill@QAppliedSystems.com or fax, 858-435-2237 before November 12th.

INTERESTED IN FURTHERING YOUR EDUCATION???

For information on Cal State Fullerton's programs on Sustainability, Green Building, Information Technology and more, please visit www.csufextension.org/green. If you have specific questions about the programs, please contact Shelly Wang at (657) 278-5977 or Melem Sharpe at (657)278-5232.

Engineering ... it is a great profession. There is the fascination of watching a figment of the imagination emerge through the aid of science to a plan on paper. Then it moves to realization in stone or metal or energy. Then it brings jobs and homes to men. Then it elevates the standards of living and adds to the comforts of life. That is the engineer's high privilege.

The great liability of the engineer compared to men of other professions is that his works are out in the open where all can see them. His acts, step by step, are in hard substance. He cannot bury his mistakes in the grave like the doctors. He cannot argue them into thin air or blame the judge like the lawyers. He cannot, like the architects, cover his failures with trees and vines. He cannot, like the politicians, screen his shortcomings by blaming his opponents and hope the people will forget. The engineer simply cannot deny he did it. If his works do not work, he is damned....

On the other hand, unlike the doctor his is not a life among the weak. Unlike the soldier, destruction is not his purpose. Unlike the lawyer, quarrels are not his daily bread. To the engineer falls the job of clothing the bare bones of science with life, comfort, and hope. No doubt as years go by the people forget which engineer did it, even if they ever knew. Or some politician puts his name on it. Or the credit it to some promoter who used other people's money ... but the engineer himself looks back at the unending stream of goodness which flows from his successes with satisfactions that few professionals may know. And the verdict of his fellow professionals is all the accolade he wants.

- Herbert Hoover



Train, Supervise, Contracting
(www.kijinc.com)

Belzona Systems of California

Repair - Protect - Improve

Dave Kijowski,
Technical Consultant

Office/Fax 619-265-2306
Cell 760-622-8011

www.belzona.com

Need a Job? Looking for a New Hire?
Make sure you check out
www.ashraesd.org for local job and
resume postings!

Are you looking to educate ASHRAE members on your products or services?

Table Tops can be purchased at our meetings for \$200, contact a Board Member for more information!



YEA!!

Kevin Blankemeier
ECS Controls

The Prado ended up being a busy but great place for the October happy hour. With the holidays fast approaching the November happy hour will be the third Tuesday of the month, the 16th at 5:30 PM at The Bullpen. As usual ASHRAE will pay for the shared foods and you will be responsible for any drinks or individual food ordered. The Bullpen is located at 8199 Clairemont Mesa Boulevard. If you have any questions, comments, suggestions, would like to be added to the email list or know someone that would like to be added to the email list just let me know by sending me an email at kblankemeier@ecscontrols.com.

YEA Fantasy Football Standings

EAST		West	
NorCal Schopplein	5-2	Team Gates	6-1
YEA SD Kevin	4-3	Shiva Kamini	5-2
Smokey Bandits	2-5	Team Sarah	4-3
Team Parker	0-7	Team Boyd	2-5

