

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLVIII - NUMBER 3

December 2009

December 2009 Dinner Meeting with San Jose Chapter

Date: Thursday, Dec 3, 2009

Place: San Mateo County Event Center; 1346 Saratoga Dr.,
San Mateo, CA 94403

<http://www.sanmateoexpo.org/index.html>

Schedule:

5:30 PM Registration and Social Hour

6:30 PM Dinner with announcements and introductions

7:45 PM Break

8:00 PM Main Program

9:00 PM Adjourn

Cost:

	<u>Before 3pm,</u> <u>Fri, 11/28</u>	<u>After 3pm,</u> <u>Fri., 11/28</u>
<u>GG-</u> <u>ASHRAE</u> <u>members</u>	\$40	\$50, but please register
<u>Non-GG</u> <u>ASHRAE</u> <u>members</u>	\$50	\$55, but please register
<u>Students</u>	Free but please register	
<u>Voucher</u> <u>holder</u>	Free but please register	

Please make your reservation at

www.ggashrae.org/meetings/2009-2010/dec.htm

NOTE: If you make a reservation and cannot attend, you need to cancel in advance, or you will be billed. Isabelle Lavedrine will be taking reservations. If you need to CANCEL, please send a message to Isabelle at cancellation@ggashrae.org.

Main Presentation: Maintain to Sustain



Speaker: William Harrison, ASHRAE Presidential Member and Distinguished Lecturer; President, Trane-Arkansas; Little Rock, Arkansas

Speaker Bio: As ASHRAE's president (2008 – 2009), Harrison directed the Society's Board of Directors and oversaw the Executive Committee. His presidential theme, *Maintain to Sustain – Delivering ASHRAE's Sustainability Promise*, focused on operating buildings to deliver the energy efficiency inherent in their design, including effective commissioning, improved documentation, and programs to educate and certify building operators.

"If the studies are accurate, we have a no-regrets method to reduce energy use in buildings by 10 to 40 percent, solely by improving building operations," Harrison said. "All we have to do is communicate and educate more effectively. It is our duty. We are pledged to deliver ASHRAE's promise of sustainability, and to do that we must maintain to sustain, we must train to sustain, and we must influence the operation of our buildings to conserve energy."

He also is chair of the Headquarters Building Renovation Committee. He has served as president-elect, treasurer, vice president, Region VIII director and regional chair, chair of Member Council, Technology Council and the Finance Committee, a member of the Nominating Committee, and vice chair of the Refrigeration Committee and the Society Rules Committee. Harrison was president of the Shreveport Chapter.

Continued on next page

William Harrison received a Bachelor of Science in Industrial Engineering from the University of Arkansas and was presented **The Distinguished Service Award (DSA)**. The DSA was established by the Society's Board of Directors to recognize a member of any grade, who has served ASHRAE faithfully as a member of committees or otherwise has given freely of their time and talent on behalf of the Society.



Presentation Summary:

William Harrison will present the theme from his term as president in 2008-2009, *Maintain to Sustain – Delivering ASHRAE's Sustainability Promise*, that will challenge ASHRAE to produce the tools required to deliver on that promise after construction is complete and the contractor has left the jobsite.

Golden Gate Chapter President's Message - Why Sustainability?



Dear Golden Gate ASHRAE Members and friends,

I hope this edition of the chapter newsletter finds you well during the holiday season. Golden Gate so far is having an excellent year. We had two great dinner meetings; both featuring programs by ASHRAE Distinguished Lecturers. We had a well-attended Seminar (thanks again to the Seminar Committee and PG&E) and we rolled out Golden Gate YEA at their bowling event.

Please don't miss the December 3rd meeting with the San Jose Chapter. Members from NCC-USGBC, BOMA, and NEBB will be in attendance as well as Golden Gate and San Jose ASHRAE members. This is sure to be an outstanding evening down at the San Mateo Convention Center. Our speaker at the joint meeting is ASHRAE Past President Bill Harrison. The program is on his theme "Maintain to Sustain - Delivering ASHRAE's Sustainability Promise".

As you know, both the Golden Gate Chapter and Society has focused on Sustainability for several years. ASHRAE's Mission is "To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a *sustainable* world." In the past, I often have encouraged you to check out the Society website. Please take the time to check out ASHRAE's 'about us' page here: <http://www.ashrae.org/aboutus/page/335>. Read ASHRAE's Position Documents on Energy and Climate Change as well as the others. Also at the bottom of ASHRAE's "about us" page, please read to the [ASHRAE Sustainability Roadmap](#). Finally, I would also encourage you to check out the ASHRAE Green Guide, available at the ASHRAE Bookstore (see the Table of Contents [here](#)).

So what exactly does it mean to be Sustainable and why does it matter?

Sustainability has been something that I have personally focused on for most of my adult life, at least ever since I started studying mechanical engineering. I guess growing up around Berkeley gave me a broad perspective. Even before I knew what a VAV box was, I have personally been focused on energy conversion, thermodynamics, and solar energy in particular. Sustainability to me is both a balance and a goal that we need to always strive towards. Yes, I have a SUV, but I also have a Prius and I installed 5.7 kW of PV on my roof. I don't think that we need to give up anything that compromises quality of life in this endeavor. We can have cold beer, hot coffee and comfortable buildings and we can do it by not hurting the environment.

Sustainability in ASHRAE's terms to me means that we must engineer our buildings and go about our lives without compromising the environment. Unequivocally, the increasing levels of burning conventional fuels since the industrial age are compromising the environment. The hard data cannot be refuted. We must take action now to move towards ~100% renewables. We must blend efficiency and renewables and ensure that our buildings perform as well as possible. Focusing on energy and the environment is too important. Sustainability matters. If we make high performance buildings and green design a priority, we can make a difference.

Best Regards,

Scott Wayland, Golden Gate ASHRAE President

Historian Article

Tom Gilbertson – Chapter Historian

No article this month.

Student Activities

John Williams – Student Activities Chair (john-g.williams@arup.com)

I have very recently taken up the post of Student Activities Chair for the chapter. I have been in the Bay Area for two years having transferred from my company's offices in London. My interest in student outreach is particularly personal since I became involved with our industry after gaining a student scholarship at the age of 18 which I found in a UK engineering institution brochure.

The Chapter is committed to fostering relationships with students at all levels to encourage interest and convey the importance of our industry in the built environment. However to foster this support won't be a single handed job. Working closely with the Chapter YEA's in particular we hope to get involved with local schools, colleges and universities to actively increase our presence. Please contact me if you are interested to help out.

During the last chapter meeting Julie Goodwin presented her involvement and the work of the ACE Mentor Program, the Chapter looks forward to working closely with Julie in developing links with this scheme.

Appreciating that the young probably skim read more than most here is a summary of deadlines for grants offered up by the Chapter:

- **December 11, 2009 for Travel Grant to the [Winter Meeting in Orlando](#)**
- **March 19, 2010 for the Travel Grant to the [Summer Meeting in Albuquerque](#)**
- **April 16, 2010 for the Eric T. Andresen and Golden Gate Chapter Scholarships**

The student travel-grant scheme offers reimbursement of travel and room & board, for attending either the winter or summer Society Annual Meeting.

The ASHRAE winter meeting will be held January 23-27, 2010 in Orlando, FL with the traditional student breakfast taking place Sunday, January 24; featuring speakers, design competition winners, network opportunities and more! An optional technical tour also is available.

FREE DINNER ALERT!!! We encourage our youngest members to come along to any of our regularly scheduled chapter meetings and we will buy you dinner! All that is required is that you are a registered student member of ASHRAE. Student membership application is available on-line at <http://www.ashrae.org/students/page/698>

ASHRAE Research Report

Jeff Violet – Research Promotion

Thank you to the firms and individuals for ASHRAE Research contributions during 2009-10

A special thank you to contributors who gave on the honor level or above:

Corporate Golden Circle (\$10,000+)

Corporate Honor Roll (\$250+)

Taylor Engineering

Individual Honor Roll (\$100+)

Edgar DeGuzman

Thomas Weaver

Isabelle Lavedrine

Scott Wayland

Max Serman

Jeff Violet

John Roth

Annie Foster

Gerald Yaffe

Kristin DeMartini

Gary Harbison

Jeff Blaevoet

James MacDonald

Alonzo Laws

Yalek Ho

I look forward to support from the board and members in this year's effort to meet our contribution goal. I will be forming a research promotion team; anyone interested in joining me will be greatly appreciated.

Donations are tax deductible, by check, credit card or online at www.ashrae.org.

To make contributions please contact Jeff Violet, jviolet@myeesi.com, 415-724-1214

Chapter Technology Transfer Committee (CTTC)

Tyler Bradshaw, ASHRAE Golden Gate CTT Committee Chair

2009/2010 Technology Awards

We're well on our way to a good start this year and it's not too late to start working on your entry for the 2009/2010 competition. **Entries must be submitted by February 28th 2010.**

The submitted project should be completed and occupied for one year by the due date for the Society award application - September 2010. Therefore, your project should have been occupied by September 2009.

There are three stages of competition and awards: Chapter, Region and Society. The first step in this process is to submit your project to the chapter level competition.

First place winners from the Chapter competition move onto the Region X Award Competition. Then the Regional first place winners are eligible to move onto the Society competition.

Every year ASHRAE conducts the Technology Awards program to:

- Recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data;
- Communicate innovative systems designs to other ASHRAE members;
- Highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

Each year Society presents awards in some of the thirteen categories: Commercial Buildings (New and Existing); Institutional Buildings (New and Existing); Health Care Facilities (New and Existing); Industrial Facilities or Processes (New and Existing); Public Assembly Facilities (New and Existing); Residential Buildings (New and Existing) both single family and multifamily (Low & High Rise); Alternative or Renewable Energy Use.

For each category a first, second, and honorable mention winner may be named. Also, one of the category first place winners may be selected to receive the ASHRAE Award of Engineering Excellence. The recipient will have demonstrated the best overall compliance with the judging criteria.

Please see our CTTC website or the following links for more info.

<http://www.ashrae.org/publications/detail/14703>

<http://www.ashrae.org/publications/detail/14704>

<http://www.ashrae.org/publications/detail/14692>

<http://xp20.ashrae.org/STANDCOM/ShortForm.pdf>

Join the CTTC Committee

If you like to assist the chapter and get involved with ASHRAE, the Chapter Technology Transfer Committee is one of the best places and we could use your help. Talk to a board member or contact Tyler Bradshaw at tbradshaw@rumseyengineers.com.

Membership Promotion

Erica Stewart – Membership Promotion

From September to October we snagged ten new members (full, associate and student) and we repatriated 21 members. the Golden Gate Section continues to lead Society in the number of active members and our membership totals Society-wide are up over the same periods for the last two years

Events – Bowling night

On November 5th, the 1st Young Engineers of ASHRAE (YEA) bowling event was held at Yerba Buena Bowling in San Francisco. The event was a huge success with 34 engineers attending from various firms in the Bay Area! We would like to thank our sponsors that helped fund this event: Johnson Controls, Nazzaro and Associates, and California Hydronics Corporation. Also, big thanks to our local Golden Gate ASHRAE Chapter for their support and sponsorship.

Below are some pictures of the young engineers during the event! Thank you to all that came. The next YEA event will be held in January, look in the next FOG for more details.



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September, 2009

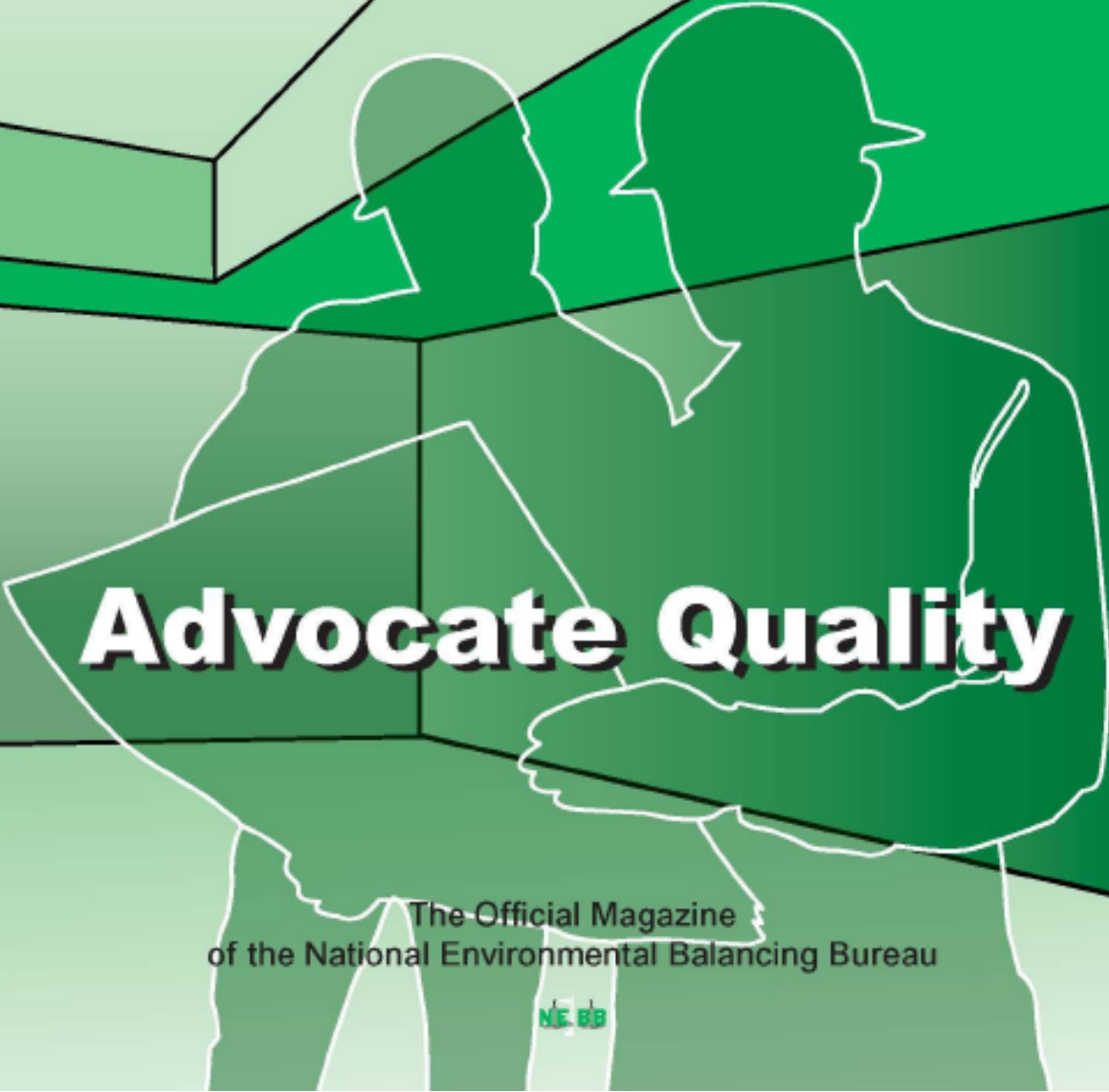
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Job

ASHRAE Jobs is the Society's Online employment resource

With an exceptionally difficult recruitment market, the ASHRAE Jobs Career Center has been averaging 55 active job postings per month and just over 5,000 monthly job seeking visitors. Recruiters are experiencing, on average, 12 online applications per job posting and have access to just over 1200 resumes that have posted its launch on June 15.

ASHRAE Jobs is not only about the hire. It is the path to a hire. By visiting www.ashraejobs.com, you can search for certain skill sets and demographics that you are "always looking for". It is the place to capture high performers you can use to replace underperformers. Is this the place to see if your competitors people are out searching and interested in you. It is also the place to capture candidates for your Q1 hires because we are only 45 days away.

ASHRAE Jobs understands you do not want to be sold to. But you still have opportunities and problems, and may need a professional to discuss those with. That is what you can expect from ASHRAE Jobs: a no-strings-attached conversation where a representative listens and then makes recommendations whether they include ASHRAE Jobs or not. For more information, visit www.ashraejobs.com, call 888-482-2562 or e-mail John VonHarz at jvonharz@ashraejobs.com. An ASHRAE Jobs representative is available during business hours to discuss your firm's needs and make recommendations on next steps.

2009 - 2010 Event Calendar

<i>Date</i>	<i>Venue</i>	<i>Presentation Topic</i>	<i>Speaker(s)</i>
Thursday, December 3 5:30 pm - 9:00 pm (map)	San Mateo Fairgrounds Event Center, Sequoia Room, San Mateo	Joint meeting with San Jose Chapter Maintain to Sustain	William A. Harrison Society Past President Trane Arkansas
Thursday, January 7 11:30 am – 1:30 pm (map)	Scott's Seafood, Oakland	ASHRAE/USGBC/IESNA Standard 189.1 for High- Performance Green Buildings	Kent Peterson, P2S Engineering
Thursday, February 4 5:30 pm - 9:00 pm (map)	Scott's Seafood, Oakland	Getting to Zero: Lessons Learned from Designing Net Zero Energy Building	Brad Jacobson EHDD Architects
Thursday, March 4 5:30 pm – 9:00 pm (map)	Sausalito Yacht Club, Sausalito	Joint meeting with Redwood Section Water Reclamation, Conditioning & Conservation-Rainwater, Graywater, Reverse Osmosis, Deionization	Brian Soderholm Water Control Corporation
Thursday, April 1 DeYoung Museum	TBD	Presentation of the Arup Design and Building Tour	Ray Keane Timmons Design Engineers, formerly with ARUP
April Tech Tour		TBD	TBD
Thursday, May 6 (map)	PG&E Pacific Energy Center, San Francisco	Showcase/Tech Awards/Student Science Fair	Vendors and Award Recipients
Thursday, June 3 5:30 pm - 9:00 pm (map)	Scott's Seafood, Oakland	Targeting Net-Zero- Energy/Zero-Carbon- Emissions (Z2).	Peter Rumsey, Rumsey Engineers David Kaneda, Integrated Design Associates

TBD = To Be Determined

Visit www.ggashrae.org/calendr.htm for updates, presentation summaries, speaker biographies and to register for the meetings. If you have suggestions for meeting topics, please contact Scott Wayland at sewayland@comcast.net

Photos



Left: Steve Taylor showing off the token of appreciation for his generous donation to ASHRAE

Right: Julie Goodwin seeking volunteers for ACE mentorship program



Left: Craig Silvey and Kirk Crowther

Right: Marble Draw prize winner Wasil Papow picking the next winner





Left: Tim Goepfner picking the next winner

Right: Edgar De Guzman showing off his winning tickets



Left: Paul McGrath, Julie Goodwin, Cliff Blythe, and Robert Gibbs