

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLVII - NUMBER 6

March 2009

March Meeting Details

Date: Thursday, March 5, 2009

Place: Embassy Suites, San Rafael, CA ([map & directions](#))
Joint Meeting with Redwood Empire Section

Schedule:

- 5:30 pm Registration and social hour
- 6:30 pm Dinner with announcements and introductions
- 7:45 pm Break
- 8:00 pm Speaker presentation
- 9:00 pm Adjourn

Cost:

	Before 5pm, Mon. 3/2	After 5pm, Mon. 3/2
GG or SJ ASHRAE Members	\$40	n/a
Non-members	\$47	n/a
Students	Free, but please register	n/a
Voucher holder	\$0, but please register	n/a

Please make your reservation at
<http://www.ggashrae.org/meetings/2008-2009/mar.htm>

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

Exhaust Air Heat Reclaim & Evaporative Cooling for Indoor Pool Facilities



Speaker: Keith Dunnavant P.E.

Keith Dunnavant, PE, western regional sales manager for the Munters Corporation, has more than twenty years of HVAC and controls experience, with expertise in the fields of air-to-air energy recovery, dehumidification, indoor pools and water parks, and evaporative cooling. Keith holds a BS degree in mechanical engineering from North Carolina State University.

Presentation Summary: Energy Efficient Pools and Water Parks

Indoor pools and water parks are big energy consumers, and there is no single air management strategy that is appropriate for all climate zones. This presentation will focus on ways to reduce annual energy usage in the dry western regions of the U.S. using a combination of exhaust air heat reclaim and evaporative cooling, while enhancing indoor air quality and comfort compared to conventional pool dehumidifiers.

Golden Gate Chapter President's Message, February 2009



Wow – what a relief we finally have a state budget in place! It feels like we can now move forward in the right direction together with the federal stimulus package. What a shame the party of no could not see past ideology and do the right thing for this state and this country. I applaud the brave few who decided to help us all move forward, at their own peril politically. I think our governor is correct in that our elected officials should be listening to the people they are supposed to be serving and finding solutions, rather than dogmatically sticking to their ideological principles. Maybe the people will have something to say about this at the next voting opportunity.

Obviously not everyone will be happy with the decisions made – we are not in an easy situation right now and it's going to take a lot of hard work to get us back where we all want to be. Many of us worry that our stimulus money will be spent on lining the pockets of crooked financial executives who may have already given themselves huge bonuses as their companies go bankrupt. Maybe the government should be investing directly in promising new technology

companies rather than investing in toxic bank assets or letting the banks “manage” the money.

Should the government bail out upside-down homeowners? Does it send the wrong message and is it fair to those who have managed their finances more responsibly? If the terms are such that interest is deferred to better times to enable families to remain in their homes and stop the hemorrhaging of this downward spiral we would all benefit, and yet there would be no free lunch. Ok enough soap box politics!

Here are some of the key provisions benefiting the Solar Energy Industry in the *American Recovery and Reinvestment Act*:

Renewable Energy Grants

Creates a new program through the Department of Treasury that provides grants equal to 30 percent of the cost of solar property placed in service during 2009 and 2010, in lieu of the previous investment tax credit.

Repeals Penalty for Subsidized Renewable Energy Financing

Allows businesses and individuals to qualify for the full amount of the solar tax credit, even if projects receive subsidized energy financing (e.g. below market loans, tax preferred bonds, state grants etc.).

Renewable Energy Loan Guarantee Program

Establishes a temporary DOE loan guarantee program for renewable energy projects, renewable energy manufacturing facilities and electric power transmission projects. Appropriates \$6 billion to pay the credit subsidy costs, which should support \$60 billion worth of loan guarantees. Eligible renewable projects are those that generate electricity or thermal energy and facilities that manufacture related components. Projects must commence construction by September 30, 2011.

Renewable Energy Manufacturing Investment Credit

Provides up to \$2.3 billion to fund 30 percent investment tax credit for manufacturing assets used to manufacture of advanced energy property. Projects must be certified by the Treasury, in consultation with the Secretary of Energy, through a competitive application process.

Remove Limits on Solar Water Heating

Provides a personal tax credit for the purchase of qualified solar water heating systems that are used for a purpose other than heating swimming pools and hot tubs. This provision removes the \$2,000 cap, providing a full 30 percent credit for qualified solar water heating property. The credit may be claimed against the alternative minimum tax.

Let's start applying for these incentives and investing in our future!

Our next meeting is on **Thursday, March 5, 2008 (5:30 pm to 9:00 pm) at the Embassy Suites in San Rafael**. Keith Dunnivant will present **Exhaust Air Heat Recovery and Evaporative Cooling for Indoor Pool Facilities**.

I look forward to seeing you all there.

Best Regards,

Jeff Blaevoet, Chapter President.

Student Activities

Gina Kalil, Student Activities Chair

Calling All Scholarship Applicants!

Upcoming deadline: March 21, 2009 for the Eric T. Andresen and Don Bryant Scholarships. Details are on the website:
<http://www.ggashrae.org/awards/index.htm>

Description of Awards:

These awards were established to provide financial assistance to local university, state university, or community-college students. It is intended to introduce students to the technical, educational and social benefits that can be derived from the Society.

Amount:

Donald G. Bryant Memorial - \$ 1,500
Eric Thor Andresen Memorial - \$ 1,500

Eligibility for the Awards:

1. Applicants must be full-time students (12 or more units)
2. Applicants must be upper-division undergraduate or graduate students
3. Applicants must be student members of ASHRAE*
4. Applicants must not have previously received the same award from Golden Gate Chapter of ASHRAE while working on the same degree

Application Requirements:

1. Application Form
2. Essay
3. Resume

Application Deadline:

Mail an award application to the Scholarship Committee, fax (510-293-3080) or Email gina.kalil@jci.com by **March 21, 2009**.

Golden Gate Chapter Scholarship Committee
Gina Kalil
Johnson Controls
3526 Breakwater Court
Hayward, CA 94545

*On-line application for student membership: <http://www.ashrae.org/students/page/696>

The annual dues for ASHRAE student membership are \$16.00 (This fee must accompany your application for membership).

Calling All Applicants - Summer 2009 ASHRAE Conference!

Please go online to see details on apply for the Summer ASHRAE conference. The deadline is coming up on March 21st!!!

High School Outreach

We have been able to get ASHRAE involved with ACE – a mentor program for students in high school. If you are interested in being a mentor part time please let us know as we will be looking for ASHRAE and industry volunteers to help make this program a success. If you think this is something your company would like to participate in, please contact me and I can see what we can do.

Thanks!

Gina Kalil
Student Activities Chair – Golden Gate Chapter

Chapter Technology Transfer Committee (CTTC)

Tyler Bradshaw, ASHRAE Golden Gate CTT Committee Chair

DEADLINE EXTENDED, LAST CALL!

2008/2009 Technology Awards

The deadline for submission has been extended but that still leaves only one month left to submit your application for the 2009 competition so now is the time to start your application. If you are considering submitting one or more of your projects, start by reading the requirements, downloading the required forms and getting the owner's/client's permission. If you have questions on the application process, please email me at the address below.

The Technology Transfer Committee would like to encourage all members to consider participating in the Technology Awards this year. If you are planning to or even considering submitting a project, please contact me and let me know. I will be happy to send reminders and input assistance as the deadline approaches. **Entries must be submitted by March 31st, 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.

The submitted project should be completed and occupied for one year by the due date for the Society award application - September 2009. Therefore, your project should have been occupied no later than September 2008. By that time there should be good measurement and verification data available. The one year of occupancy is not a requirement for the Chapter award but it is a strong suggestion. This is a requirement for the Society award competition.

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. We currently are looking to fill our Refrigeration Committee Chair position. We also have many CTTC improvement tasks that we could use help with and many requiring just a small time commitment for your participation. Talk to a board member or contact Tyler Bradshaw at tbradshaw@rumseyengineers.com to find out how you can help our chapter provide greater service to all of its members.

ASHRAE Research Report

Jeff Violet, Resource Promotion Chair, GG ASHRAE jviolet@myeesi.com, 415-724-1214

Golden Gate ASHRAE is off to a great start in 2009 with Research Promotion donations. Thank you to those who have made their ASHRAE Research contributions. A moderate contribution (\$35) from each of our members would provide a sustained base of funding to keep ASHRAE research continuing at current levels. Named below are contributors to date who have given on the honor level or above this year.

Corporate Golden Circle (\$10,000+)

Golden Gate ASHRAE

Corporate Honor Roll (\$250+)

Individual Honor Roll (\$100+)

Edgar DeGuzman

Richard Charles

James MacDonald

Scott Wayland

Gary Harbison

Jeff Violet

Dick Friedmn

Wasil Popow

Albert Scavino

Edward Arens

Glenn Friedman

Jeff Blaevoet

Robert Marcial

Kristin DeMartini

Mike Scofield

Gerald Yaffe

Thomas Weaver

Eric Kolderup

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

Marble Draw

Annie Foster

Thanks to **Guttmann & Blaevoet** for sponsoring February's Marble Draw. Nobody won the pot, which will be at \$500 for April's meeting, where the odds will be 1 in 7.

Since the March meeting is a joint meeting with the Redwood Empire chapter, we will be doing a traditional raffle (sans marble draw). We have some excellent prizes so far, but are still looking for more sponsors. If you would like to donate a prize for this or any future meeting, please contact Annie Foster at 415-402-2248 or annie.foster@wspfk.com.

Golden Gate Roster Notice

Be advised that the roster information represents past data. We cannot accept requests for changing the roster information, as that has to be done with Society in Atlanta.

We want to take this opportunity to say thank you to all our sponsors and advertisers, whose efforts help us fund our scholarships and Research.

Job Postings

Rumsey Engineers; Oakland, California seeks an HVAC Engineer

Want to Help Design the Next Generation of Green Buildings?

Are you doing your best for the planet in your current job? If you've got passion, wisdom, expertise, and the willingness to constantly learn about and design highly resource-efficient buildings, we want you on our team.

We're a steadily growing MEP firm with LEED Platinum, zero-carbon, award winning projects, working with the greenest local and national architects and clients. We're leaders in energy and water efficient design, dedicated to creativity and innovation, and we compete and win against the largest firms in the industry. We offer highly competitive compensation and a relaxed, collaborative, high-performance environment. We're an equal opportunity employer and encourage diversity in our office. We have also recently won an award for being one of the top 10 A&E firms in the U.S. to work for.

We are seeking a HVAC Engineer with 5+ years of experience in sustainable design, willing and able to take on project management responsibility. Design energy efficient HVAC systems, build strong client relationships, and manage project schedules and budgets.

Required

- * Strong knowledge of Autocad
- * Creative thinker with effective communication and teamwork skills
- * BS degree in Mechanical Engineering
- * Project management experience
- * Good client skills
- * Experience w/ sustainable design

Desired

- * P.E.
- * LEED AP
- * Experience with BIM
- * Environmentally minded with an understanding of energy and climate change issues

To contact us about this position, please send cover letter and resume to: **cbonner@rumseyengineers.com**

Conservation Mechanical Systems; Concord, CA Sales Engineer Position Available:

Entry Level Sales Engineer position available with a growing manufacturers representative firm, Conservation Mechanical Systems, Inc. located in Concord, CA.

Looking for an individual with a desire to learn and interested in an outside sales track position. Begin working under a dedicated team of professionals gaining product knowledge of energy saving HVAC equipment for the construction industry. Perform equipment selection, estimating (plan and spec/design build), and sales support to help our growing business.

Job Requirement: Bachelor's degree in Mechanical Engineering, (EIT or plans for PE a plus), friendly, detail oriented, self motivated, and enthusiastic.

Please send cover letter and resume to:
Conservation Mechanical Systems, Inc.
2440 Stanwell Drive, Suite M
Concord, CA 94520
Email: michelle@conservationmechsys.com

Announcements



ASHRAE

Advancing HVAC&R to serve humanity and promote a sustainable world

STUDENT ACTIVITIES

1791 Tullie Circle, NE • Atlanta, GA 30329-2305 USA • Tel 678.539.1212 • Fax 678.539.2212

February 24, 2009

Dear Mr. Ed Cheng,

Congratulations! Your submission to ASHRAE's Senior Undergraduate Project Grant Program titled, "Air-Conditioning Laboratory Unit for Undergraduate Engineering Education," was approved for funding in the amount of \$5,000.00.

Before we can process your request, we require you to review the attached Project Information Sheet, which you submitted with your application. Please indicate whether the information is still current and the grant funds are still required. Also, please complete the attached Award Information Sheet and return it with any corrections to your Project Information Sheet by **April 20, 2009**.

Once the grant funds are officially distributed, a copy of your Project Information Sheet will be forwarded to the Student Activities Chair of the ASHRAE Chapter in your area. He/she should contact you directly for a certificate/award presentation. **However, this will not be a presentation of funds since your check will be mailed directly to the individual you indicate on the Award Information Sheet.** If you have any questions, please contact Tarra Holman, Assistant Manager of Student Activities, at 678-539-1212 or by e-mail at tholman@ashrae.org.

As a reminder, the students involved in the project receiving the grant funds must submit a written report to ASHRAE upon the project's completion. A project spanning more than one semester/quarter must submit a progress report at the end of each semester/quarter. **Your project's progress report is due 12/31/2009 and the final report is due 05/10/2010. Delinquent reports will disqualify you from obtaining grants in the future; therefore, if your report is going to be submitted late, please contact the Assistant Manager of Student Activities.** Details on the interim and final report format are listed on the Student Zone website in the Grants section.

Again, congratulations! We look forward to an opportunity to work with your institution and assist in student research.

Sincerely,

Nicolas Lemire

Chair, Student Activities Committee

The Grapevine

FEBRUARY 2009

REDWOOD EMPIRE ASHRAE



Swimming Pool Dehumidification

Energy Savings for the California Climate

Thursday, March 5 @ 5:30 pm
Embassy Suites Hotel
San Rafael



Keith Dunnavant, PE
Regional Sales Manager
Munters Corporation



ENERGY EFFICIENT POOLS AND WATER PARKS

Indoor pools and water parks are big energy consumers, and there is no single air management strategy that is appropriate for all climate zones. This presentation will focus on ways to reduce annual energy usage in the dry western regions of the U.S. using a combination of exhaust air heat reclaim and evaporative cooling, while enhancing indoor air quality and comfort compared to conventional pool dehumidifiers.

KEITH DUNNAVANT, PE, WILL PRESENT

Keith Dunnavant, PE, western regional sales manager for the Munters Corporation, has more than twenty years of HVAC and controls experience, with expertise in the fields of air-to-air energy recovery, dehumidification, indoor pools and water parks, and evaporative cooling. Keith holds a BS degree in mechanical engineering from North Carolina State University.



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President's Message

Time to network

RENEW YOUR ASHRAE MEMBERSHIP



Jessica Sanders, PE

This is the time of year to renew our ASHRAE memberships. Currently we have almost 180 registered members in our chapter. Last year 58 of those who registered were paid members. The average meeting attendance is 35.

ASHRAE meetings are a great opportunity to network and learn about new, interesting technologies and concepts. It's also an opportunity to relax over a nice dinner.

We all know each other and enjoy these four evenings a year, and it would be great to see our chapter expand and grow. Let's encourage more of our colleagues to join. If we all make an effort and introduce just one new person, or one new member a year, our chapter will have even more potential to provide scholarships for very worthy students. Finding members for the Board of Governors would be easier, and our Annual Golf Tournament would be even more fun.

In these hard times, \$25 for membership is still a bargain, and officers do everything in their power to keep the dinner price at last year's level. Let's make our chapter stronger. Our success and growth are in our hands. Let's make an effort—each one of us—to try and bring one new member a year.

Scholarship Update

Scholarship Award Doubled!

Our application deadline was December 15, and we received 14 highly qualified high school applicants from Napa, Sonoma and Marin Counties. Tom Weaver was able to persuade Golden Gate Chapter and Jeff Blaevoet to match our scholarships with another two \$2000 scholarships, allowing us to offer the students a total of four \$2000 scholarships.

Maya Salabasheva, Tom Weaver and Gina Kalil are on the Scholarship Committee and will meet in the month of March to select the four winners. Thanks to these folks, and especially to Michelle Whitsitt for chairing the Scholarship Committee this year.

Careers in Construction

Expo, April 1

LOOKING FOR VOLUNTEERS

If you would like to volunteer for a two hour booth duty at the upcoming Careers in Construction Fair, contact Mike Scofield at 707-829-2080 or via email at mike@conservationmechsys.com.

The Honor Roll

2009 Membership

Below is the honor roll of 2009 paid members. If your name is not on the list, your membership payment did not reach us yet. Please make an effort to become a paid member –after all, the money is used for scholarships and promoting youth interested in engineering, which should be very important to all of us. Please send your checks, payable to "Redwood Empire ASHRAE," Mail to Redwood Empire ASHRAE, PO Box 365, Napa CA 94559.

Gus Carrillo	MK 2 Engineering
John Cross	Laffer Engineering, Inc.
Mike Kiani	MK 2 Engineering
Jessica Sanders	MK 2 Engineering
Greg Schnable	Clyde Equipment Company
Tom Weaver	Conservation Mech. Systems
Michelle Whitsitt	Conservation Mech. Systems

Trip down memory lane

CLICK ON THE ALBUM BELOW TO SEE A SLIDESHOW OF THE LAST DINNER MEETING



Swimming Pool Dehumidification

Energy Savings for the California Climate

Thursday, March 5 @ 5:30 pm

Location: Embassy Suites Hotel
101 McInnis Parkway, San Rafael
415.499.9222

Time: Social Hour/No Host Bar: 5:30 PM
Dinner: 6:30 PM
Presentation: 7:30 PM

Menu: Rosemary Chicken or grilled vegetable dish, mixed green salad, fresh vegetables, rolls and butter, potatoes. Chef's choice of dessert with coffee or tea. Please check your preference on the reservation form below.

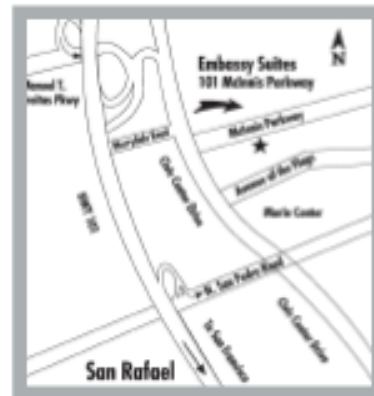
Cost: \$40.00/members on time
\$45.00/members late
\$47.00/non-members on time

Contact: Jason Mueller, MK2 Engineering
Phone: 707.307.1518
Fax: 707.307.1550

E-mail: jmueller@mk2eng.com

Directions: From U.S. 101 North, exit East on North San Pedro Road. Turn left on Civic Center Drive. Turn right on McInnis Parkway.

From U.S. 101 South, exit at Freitas Parkway, turn left over freeway. Left at intersection, turn right on Civic Center Drive. Turn left on McInnis Parkway.



**Make your
reservation
today!**

Swimming Pool Dehumidification

Energy Savings for the California Climate

Dinner Reservation Form

Please make the following reservations for the Thursday, March 5, dinner meeting.

Fill in the form below. Phone or Fax your reservations ASAP.

Phone: 707.307.1518 Fax: 707.307.1550

Name: _____

Company: _____

Total Number of Attendees: _____

Work Phone: _____

☐ Quantity _____ Rosemary Chicken Entree

☐ Quantity _____ Grilled Vegetarian Entree

Currently I am a member of:

☐ ASHRAE National Society Member

☐ ASHRAE Golden Gate Chapter

☐ ASHRAE _____ Chapter



2009-2010 OFFICIAL BALLOT RE-ASHRAE OFFICERS

☐ IT'S THAT TIME AGAIN.

☒ VOTE FOR THE NOMINATED OR WRITE-IN CANDIDATE OF YOUR CHOICE.

FAX THE BALLOT TO JESSICA SANDERS @ 707.307.1550 OR BRING YOUR BALLOT TO THE JUNE MEETING.

OFFICE	NOMINATED CANDIDATE	WRITE-IN CANDIDATE
President	☐ Paul Larkin	☐ _____
Secretary	☐ Michelle Whitsitt	☐ _____
Treasurer	☐ Mike Titchenal	☐ _____
Governor	☐ Maya Salabasheva	☐ _____
Governor	☐ Gus Carrillo	☐ _____
Governor	☐ _____	☐ _____
Past President:	Jessica Sanders	
Grapevine Editor:	Jim Horn	

☐ I'll Join RE-ASHRAE for 2009-2010

Send your \$25.00 check to PO Box 365, Napa, CA 94559

Make your check payable to Redwood Empire ASHRAE. Thank You!

Name: _____

Company: _____

Company Address: _____

City, State, Zip: _____

E-mail: _____

Work Phone: _____ Work Fax: _____

Home Phone: _____

☐ Please use the following address for ASHRAE correspondence (if different than above):

Address: _____

City, Zip: _____

Currently I am a member of:

☐ ASHRAE National Society Member

☐ ASHRAE Golden Gate Chapter

☐ ASHRAE _____ Chapter

The Grapevine

is published quarterly by the Redwood Empire Section of the Golden Gate Chapter of ASHRAE. We encourage submissions from members and nonmembers alike that might be of interest to our readers.

Submit items via e-mail, CD or floppy diskette, either PC or Mac format, along with a hard copy. Please include a contact person's name and phone number.

Items for publication should be submitted directly to the editor.

Advertisements should be sent to the following address:

Redwood Empire ASHRAE
P.O. Box 365
Napa, CA, 94559-0365
www.reashrae.org

The mention of any business, product or service in this newsletter does not imply endorsement by ASHRAE.

If you have questions or comments about the Grapevine, please contact the following:

Jim Horn
Horn Engineers
707.546.1332 (v)
707.546.5733 (f)
jhorn@hornengineers.com

The Grapevine
Editor: Jim Horn
Graphic Design
susan@designnacy.com

ASHRAE Officers, 2008-2009
President: Jessica Sanders
President Elect: TBD
Treasurer: Mike Titchenal
Secretary: Michelle Whitsitt
Past President: Mike Kiani
Board of Governors
Maya Salabasheva
Jay Takacs

The Usual Suspects
Pat Bailey
Paul Irwin
Rob Main
Mike Scofield
Tom Weaver

Your Ad Could Be Here!

Your classified ad could reach more than 100 engineers, contractors, facilities' owners and manufacturers' representatives. Business card ads are only \$25 per issue (or \$90 for four issues). For more information on advertising rates and publication guidelines, visit us on line at www.reashrae.org or contact:

Grapevine Editor, Jim Horn
521 Mendocino Avenue
Santa Rosa, CA 95401
Phone: 707.546.1332
Fax: 707.546.5733
jhorn@hornengineers.com

Calendar 2009-2010

Join us

March 5 Joint Dinner Meeting
San Rafael

March 24-28

2009 ASHRAE Specialty Conference
on net-zero buildings
San Francisco, CA

April 1

Careers in Construction Expo
(Contact Mike Scofield to volunteer!)
Santa Rosa, CA

April 30-May 2

Region X Chapter Regional
Conference
Irvine, CA

June 2

Dinner Meeting & Field Trip
Palmaz Winery & Napa Elks Club
Napa, CA

June 20-24

ASHRAE Annual Conference
Louisville, Kentucky

CAL POLY
HVAC&R
SIXTH ANNUAL GOLF TOURNAMENT
APRIL 25, 2009



LOCATION: Avila Beach Golf Resort

TIMES:
Sign-in 7:30 a.m.
Tee-off 8:00 a.m.
Awards 1:00 p.m.
Luncheon 1:00 p.m.

FORMAT: Select your own foursome or allow yourself to be matched up in any foursome in this Combined Scramble and Best Ball Format tournament.

CLUB RENTALS: Limited rental clubs are available directly from Avila Beach Golf Resort and payable to the Resort on site.

ENTRY FEE: Entry fee of \$200 per person includes green fees, cart, tournament shirt, post-tournament luncheon, entry into the raffle, and a \$75 contribution to the HVAC&R Program. Reservations are appreciated by March 27, 2009.

DRESS CODE: Collared shirt, shorts must be mid-length and cannot be denim.

SPONSORSHIP: The fee for hole sponsorship is \$350. Contact Dennis Thompson for more information on corporate sponsorship:

Dennis Thompson
Phone 510/723-7708
dennis.thompson@siemens.com

ACCOMMODATIONS: We have reserved a block of rooms at the Quality Suites Hotel for tournament participants. Please call the hotel directly at 805.541.5001 to make reservations.

SOCIAL MIXER: We will be hosting a Social Mixer on Friday April 24th. (Location and Time to be Announced)

QUESTIONS?

Joe Chin (Northern California)
Phone: 650/326-0750
Email: jchin@westernallied.com

Will Clark (Southern California)
Phone: 562/692-1277 Ext. 249
Email: will.clark@dmghvac.com

Please Complete the Entry Form on the Next Page
Your reservation by March 27, 2009 would be appreciated!



**ALL PROCEEDS FOR THE SOLE PURPOSE OF
SUPPORTING THE
HEATING, VENTILATING,
AIR CONDITIONING AND REFRIGERATION PROGRAM
AT CAL POLY**



**Johnson
Controls**



HVAC Equipment & Systems Sales

Ken Mozek
Branch Account Manager
Phone (510) 786-5722
Email: kenneth.j.mozek@jci.com



HVAC Service Department

Wesley Wojdon
Metro Manager Bay Area Services
Phone (925) 417-7213
Fax (925) 426-1188
Email: wesley.j.wojdon@jci.com



24 Hour Emergency Help Line & Parts Order
1(866) 819-0234 - After Hours
(925) 426-1166 - Parts

Johnson Controls proudly supports ASHRAE
research!

www.johnsoncontrols.com



2008 - 2009 Events Calendar

<i>Date</i>	<i>Venue</i>	<i>Presentation Topic</i>	<i>Speaker(s)</i>
Thursday, March 5, 2009 Joint Meeting with Redwood Empire Dinner	Embassy Suites, San Rafael	Airside / Evaporative Energy Saving Systems	Keith Dunnivant Des Champs
Thursday, April 2, 2009 Dinner	Scott's Seafood, Oakland	TBD / Tour	TBD / Tour
Thursday, May 7, 2009 Dinner	PG&E Pacific Energy Center, San Francisco	Showcase/Tech Awards/Student Science Fair	Showcase/Tech Awards/Student Science Fair
Thursday, Jun 4 2009 Dinner	Scott's Seafood, Oakland	TBD	TBD

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 Jeff Blaevoet at jblaevoet@gb-eng.com.

Gate ASHRAE Chapter Meeting Minutes

Date: February 5, 2009

Location: Pacific Energy Center; San Francisco, CA

1. Meeting was called to order by President Jeff Blaevoet at 7:04PM
2. Self Introductions were held.
3. Tyler Bradshaw, chair of CTTC committee explained the entry process and protocols and how the winners progress to Region X CRC in May.
4. Jeff Violet, Research chair recognized contributors to ASHRAE Research in 2008-2009 and asked for donations.
5. Winter AHR travel grant recipient Brian Coffey shared his experiences at the Chicago convention.
6. Jeff Blaevoet provided details on scholarships to be awarded at the May chapter meeting.
7. Scott Wayland advised of the problems associated with late sign-ups and walk-ins and the fact that the PEC has a maximum room capacity, which we are approaching in attendance. This would mean having to turn people away, if we exceed the maximum room capacity.
8. Scott Wayland introduced the speaker, Steve Taylor.
9. Guttman and Blaevoet sponsored the raffle/marble draw. There was not a winner.
10. Meeting adjourned at 8:50PM

Submitted by:

Gary Harbison

Secretary BofG

GG ASHRAE