

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLV - NUMBER 2

NOV 2006

November Meeting Details

This is a dinner meeting of Golden Gate ASHRAE in the East Bay.

Date: Thursday, Nov 2, 2006

Place: Scott's Seafood, Jack London Square
2 Broadway, Oakland, California 94607
510-444-3456

Schedule:

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

Cost:

	Before noon Fri., Oct 27	After noon Fri., Oct 27
ASHRAE members	\$40	\$47
Non-members	\$47	\$50
Students	Free with registration	
Voucher holder	Free with registration	

Please make your reservation via our Web site. Visit the Event Calendar at www.ggashrae.org/calendr.htm, click November 2, and fill out and submit the form. Purchase your voucher at the meeting or online using your credit card and PayPal after you submit the form. The season voucher is \$320 for members; that's 9 meetings for the price of 8. The voucher is transferable among co-workers and student meal sponsorship.

Remember – if you make a reservation and cannot attend, you need to cancel in advance, or you will be billed. Scott Wayland will be taking reservations. If you need to CANCEL, please send a message to Scott at cancellation@ggashrae.org.

November Program

Radiant Heating and Cooling in Bay Area Commercial Buildings



Peter Rumsey, P.E. Principal Rumsey Engineers

Radiant heating systems have been widely used in residential applications in recent years, and are popular because they are quiet, take less space, and are vastly more energy efficient than conventional air-based systems. Recent advances in technology have made radiant heating and cooling systems affordable in commercial applications. Their advantages include improved energy efficiency, reduced noise, less interference from large ducts, and, with properly applied systems, improved indoor air quality. Several recently constructed commercial and institutional buildings in the Bay Area use radiant heating and cooling.

Biography of Speaker continued on page 3.

Golden Gate Chapter President's Message, November 2006

Responsibility

It is a privilege to hold the title Engineer. Engineers are the builders of society's physical infrastructure. We build the transportation systems, food processing, manufacturing and building systems. Much of our customer's success is the result of our designs. What is our responsibility in performing these services?

Business should be a win-win-win scenario. As employees we should be paid a reasonable wage for the work we perform. Employers deserve to make a fair profit for their services. Customers should receive value worth more than their cost. Win-win-win. As employees and employers we should recognize the value in our services and charge a fair value. What is fair value? My opinion is we should all be able to retire at the end of a career as engineers with enough savings for a full retirement. Employers should earn enough profit to retool with the latest technology, provide their employees time and resources for continuing education, participate in industry organizations such as ASHRAE, provide a good, safe work environment, offer a full portfolio of employee benefits and receive a reasonable return on investment for their business investors.

As engineers, we are responsible for good judgment. Our customers provide for us and we owe them professional care in our design solutions. We don't owe them the perfect solution, but we are responsible to investigate a reasonable number of solutions and use our judgment to make the good choices in their interests. Who else should we consider in our designs? We are society's stewards. We should limit our consumption of society's resources. We should protect our company from liabilities. We should support our company's profits, everyone's health and safety, codes, and the law. That is a lot of burden on your shoulders, but that is what it takes to proudly be called an engineer.

Presidential Challenge

Take time and examine the judgments you make as an engineer and use the following tests to evaluate your choices. Would my _____ agree with this decision?

- ☐ significant other
- ☐ children
- ☐ parents
- ☐ boss
- ☐ college counselor
- ☐ customer

Thank you. I am proud to call all of you my colleagues.

Respectfully submitted,

[Glenn Friedman](#), Chapter President

November Program continued—Biography of Peter Rumsey

Peter is founder and President of Rumsey Engineers, Inc. As a global player in energy efficiency, Peter has over 20 years of experience in a broad range of government, scientific, and private sector projects. His expertise includes design of efficient HVAC systems and energy monitoring systems in commercial buildings and critical environments, management of project teams, and analysis of design options using computer simulation tools.

Peter has published many papers on energy efficiency and HVAC issues. Before founding Rumsey Engineers, he held engineering and management positions at Sol*Arc Architects, Lawrence Berkeley Laboratories, XENERGY Energy Consultants, the International Institute for Energy Conservation, and Pacific Gas and Electric Company.

Mr. Rumsey has a B.S. in Mechanical Engineering from the University of California at Berkeley, and is a registered Mechanical Engineer in 11 states, including California, Arizona and Texas. He is a Certified Energy Manager and an active member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the Association of Engineers (AEE). The AEE San Francisco Bay Area Chapter named Peter Energy Engineer of the Year in 2001.

YORK INTERNATIONAL A JOHNSON CONTROLS CO.



ESG SALES DEPARTMENT

Ken Mozek
District Sales Manager
Phone: (925) 417-7202
Email: ken.mozek@york.com

ESG SERVICE DEPARTMENT

Wesley Wojdon
District Service Manager
Phone: (925) 417-7213
Email: wes.wojdon@york.com

YORK INTERNATIONAL
A JOHNSON CONTROLS CO.
7020 Koll Center Parkway, Suite 110
Pleasanton, CA 94566
Fax: (925) 426-1188

24-Hour Emergency Help Line & Parts Order
(925) 426-1166

<http://www.york.com>

York International proudly supports ASHRAE research!



ASHRAE Research Report

Fahad Rizqi, Resource Promotion Chair, GGASHRAE

To everyone that wants to support ASHRAE Research, I look forward to talking with you. Remember, all donations are tax deductible, and you may use a check or credit card. Now you can make your donation towards the 2006-2007 campaign online at <http://www.ashrae.org>, or contact me via phone or e-mail.

Please contact me if you are interested in sponsoring one of the Fog dispenser issues.

See you at the next meeting!!!

Fahad Rizqi, Resource Promotion Chair, Golden Gate Chapter
fahad.rizqi@siemens.com, 510-723-7833

Membership Promotion

Kristin DeMartini, Membership Promotion Chair

I am excited to announce this November meeting at Scott's will be a **Membership Promotion Night!** Come and meet new members during the social hour beginning at 5:30 pm. I hope to see and meet many of you there.

Also, in order to continue bringing new members to our chapter, I am pleased to publicize we will be offering two ASHRAE dinners for the price of one (half off each person's meal) for active members that bring a new member with his or her completed ASHRAE application and dues.

I am also working on getting the name badges up to date. Please contact me if you are an active member and still need a badge.

If you have any questions or suggestions, please contact me directly at Kristin.S.DeMartini@jci.com or 415-672-1048. Thank you!

Marble Draw

First meeting of the year and we already have a winner! Congratulations to Johanna Gustafsson who won the \$500 dollar pot at the October meeting.

We are looking for sponsors for the future meeting raffle prizes. If you are interested, please contact Becky Courter at 415-715-7242.

ASHRAE Satellite Broadcast and Web Cast – Building Security

Jodi Dunlop, Public Relations, 678-539-1140 jdunlop@ashrae.org

Registration is now open for ASHRAE's free satellite broadcast and Web cast, **“Multiple Benefits Solutions for Enhanced Building Security.”**

You can register at www.ashrae.org/homelandsecuritybroadcast2. The broadcast takes place from 1-4 EST Nov. 14, 2006. The broadcast is sponsored by ASHRAE's Building Safety and Security Special Committee with support from the Alfred P. Sloan Foundation. The program features two panel discussions with short presentations, and live question-and-answer sessions with the audience.

The first discussion focuses on the principles of risk management and how they can allow treatment of health, safety and security issues beyond those normally considered in current practice, codes and standards. Panelists are George Glavis, P.E., the U.S. Department of State; D. Scott Fisher, P.E., State Farm Insurance Co., James Woods, Ph.D., P.E., The Building Diagnostics Research Institute Inc.; Richard Bielen, P.E., National Fire Protection Association; and Ronald Vallort, P.E., Ron Vallort and Associates, Ltd.

The second panel discusses the application and integration of architectural and engineering principles and practices to achieve the levels of acceptable risks and benefits defined by the risk management approach. Panelists are Stuart Knoop, Oudens + Knoop Architects; Andrew Persily, Ph.D., the National Institute of Standards and Technology; William Coad, P.E., Coad Engineering Enterprises; Patrick Spahn, P.E., and Lawrence Spielvogel, P.E., consulting engineer.

For more information regarding presenters, the broadcast program, and resources, visit www.ashrae.org/homelandsecuritybroadcast2, or call 678-539-1139.

From the Chapter Historian

Carl H. Jordan, Life Member/Fellow and GGASHRAE Historian

Leo Dwyer, Part 2

We don't know who wrote the following. Do any of you remember?

Ode to Leo

in the meter of "The Raven"

Leo Dwyer is his name,
Engineering is his game.

"Gaze upon my works, Ye Builders,
and despair" he tells us.
Wild of eye, unkempt of hair,
Penetrating, debonair,
Eccentric genius is the stamp
upon the goods he sells us.

His favorite play, and daily antic,
Engages one in games semantic,
Vocabulary of a sort he thinks
will seem precocious;
Words intended to abuse
The literate soul, and to confuse,
Like "supercalafragilisticexpialidocious."

To ventilate the Coliseum,
Drain the Maritime Museum,
Lofty concepts such as these
are needed to employ him.
Specifying Moltex seats,
Omitting fixtures underneath,
These are details which, when pointed out,
seem to annoy him.

Afterthought:

There once was a fellow named Dwyer
Whose fright-wig grew higher and higher;
Said he, with a shrug
As he back-combed his rug,
"I'll soon need a 10KV dryer."

One more time:

Leo Dwyer, pert and sassy,
Never dresses very classy.
Stains upon his derriere
Are his daily de rigueur.

Vainly you may call attention
To the fact that his invention
Causes all the solid waste
to fall upon the floor.
Aloof and scornful his reaction
To your point that putrefaction
Soon, if nothing intervenes,
will flow out through the door.

Question not his vast designs
Tho lacking some essential lines,
Lest you suffer from the look
he condescends to you
Do not ask for explanations;
You will witness his gyrations,
Tortured ratiocinations
why his art is overdue.

Leo, Leo, laissez-faire,
Engineer extraordinaire,
Never mind that Peter Skaer
grows moody at your mention.
We appreciate your cunning
And your convoluted plumbing,
Even though the others are perplexed
at your intention.

Minutes of Golden Gate Chapter Meeting—October 5, 2006

Carnelian Room, San Francisco

- Glenn Friedman called the meeting to order at 12:20 p.m.
- Self introductions
- Announcements and administrative discussion
 - The Chapter voted and approved the Chapter meeting minutes from June 1, which were published in the October Fog Dispenser
 - Glenn introduced the Board of Governors for 2006-2007
 - Cory Palmer - Past President
 - Glenn Friedman - President
 - Robert Marcial - President Elect and Programs Chair
 - Jeff Blaevoet – Secretary
 - Scott Wayland – Treasurer
 - Gary Harbison - First Year Board Member
 - Scott Wayland announced CTTC awards from 2005-06 and encouraged members to start thinking about entries for this year's awards
 - Kristin DeMartini spoke about chapter membership
 - Fahad Rizqi discussed ASHRAE Research Promotion and his plan to meet this year's goal for the Chapter
- Five minute break
- Robert Marcial introduced the speakers for the main presentation: Sandy Mendler and Rachael Bannon from HOK, San Francisco
- Main presentation: Green Building Confessions
- Becky Courter conducted the marble draw raffle, sponsored by Norman S. Wright. Johanna Gustafsson picked the correct marble and won \$500.
- Glenn Friedman announced the next meeting: Dinner Meeting, Thursday, November 2, at Scott's Oakland. Topic: Radiant Heating & Cooling in Bay Area Commercial Buildings. Speaker: Peter Rumsey, Rumsey Engineers.
- Motion to adjourn the meeting at 1:40 p.m.

Cory Palmer

Employment Opportunities

Computational Scientist - Building Energy Simulation

Lawrence Berkeley National Laboratory (LBNL) is seeking a Computational Scientist – Building Energy Simulation. Advanced degree or equivalent experience in Computational Science, Engineering, Architectural Engineering, or related building science field is required, in addition to 2+ years' experience in developing mathematical models for state-of-the-art building energy simulation models, preferably in the HVAC area.

Note: This is a term appointment with the expectation that the applicant will progress to career status over 3-5 years.

For more information or to apply, visit <http://jobs.lbl.gov>, select "Search Jobs", and enter **019491** in the keyword search field. Enter "Fog Dispenser" as your source. www.lbl.gov AA/EOE

Mechanical Engineer

Calling experienced Mechanical Engineers: Join an established and award winning MEP Design Firm!

C & B Consulting Engineers, a management owned and operated, 55-person plus firm, is seeking a qualified **Senior HVAC Engineer** to join our San Francisco corporate office.

Position requires a minimum B.S. in Mechanical or Environmental Engineering, registered PE, and a minimum of 10 years of experience in the engineering of HVAC systems for high-rise residential and commercial facilities. Candidate must possess strong analytical and client communication skills.

We offer an excellent compensation package, including bonus plan, medical/dental coverage, 401k, profit sharing, and other great benefits.

Submit your resume to Cheri Bobo, Human Resources Manager via:

Mail: C & B Consulting Engineers, 449 10th Street, San Francisco CA 94103

Fax: (415) 437-7333

Email: jobs@cbengineers.com

Learn more about our company by visiting our website @ www.cbengineers.com

2006 - 2007 Event Calendar

<i>Date</i>	<i>Venue</i>	<i>Presentation Topic</i>	<i>Speaker(s)</i>
Thursday, Nov 2, 2006 Dinner	Scott's Seafood, Oakland	Radiant Heating & Cooling in Bay Area Commercial Buildings	Peter Rumsey, Rumsey Engineers
Wednesday, Dec 13, 2006 Dinner with San Jose Chapter	Marriot Hotel, San Mateo	Grid-Tied Photovoltaic (PV) Systems	Darren Bouton, Pacific Energy Center
Thursday, Jan 11, 2007 Lunch	Carnelian Room, S.F.	Benefits of System Balancing and Cx	Members of NEBB
Thursday, Feb 1, 2007 Dinner & Student Night	Scott's Seafood, Oakland	TBA	TBA
Thursday, Mar 1, 2007 Dinner with Redwood Empire Section	Embassy Suites, San Rafael	DDC Controls	Jay Santos
Thursday, Apr 5, 2007 Dinner & Student Night	Pacific Energy Center, S.F.	Awards Night and Vendor Showcase	Various
Thursday, May 3, 2007 Lunch & Field Trip	Anchor Steam Brewery San Francisco	Annual Field Trip: Brewery Process and Plant Tour	Tour Guides
Thursday, Jun 7, 2007 Dinner & Spouse & Significant Other Night	Carnelian Room, S.F.	Topic TBA	TBA

TBA = To Be Announced

Visit <http://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 Robert Marcial at rmarcial@pacbell.net

Change of Address?

All members who wish to make changes in their membership data (change of email address, change of address or change of employer are the most common) must make those changes through the national ASHRAE site <http://www.ashrae.org>.

THE GOLDEN GATE CHAPTER CANNOT MAKE THESE CHANGES FOR YOU

In order to change your membership data, you will need your ASHRAE member number and confidential PIN number, both of which are on the ASHRAE card issued to you each year. Go to the Change of Address link of the ASHRAE website, log in, and then go to Membership Records. If you don't have your PIN or membership card, please call Customer Service: 1-800-5-ASHRAE (US and Canada).

Photos from the October 2006 GG ASHRAE Meeting



Left:
Speakers
Rachael
Bannon
and Sandy
Mendler

Right:
ASHRAE
colleagues
enjoy the
view.



Left: Past
Presidents
Mark
Hydeman
and Bob
Levi

Right:
Kristin
DeMartini
and Edgar
de Guzman



Left: James
Wood,
Arup and
Paul
McGrath,
Flack +
Kurtz

Right: Aryn
Bergman &
Mary
Wyland



Left:
Robert
Marcial and
Glenn
Friedman

Right: Past
President
Dennis
Thompson
and Becky
Courter

