

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLV - NUMBER 1

OCT 2006

October Meeting Details

This is the first meeting of Golden Gate ASHRAE's 2006-2007 year. **This is a lunch meeting.**

Date: Thursday, Oct 5, 2006

Place: The Carnelian Room

52nd floor, 555 California Street,

Bank of America Building, San Francisco

Take an express elevator from the Montgomery Street entrance level to the 52nd floor.

415-433-7500 ([map and directions](#))

Schedule:

11:30 am: Registration and social hour

12:00 pm: Lunch with announcements and introductions

12:40 pm: Break

12:45 pm: Main program

1:30 pm: Adjourn

Cost:

	Before noon Thurs Sept 28	After noon Thurs Sept 28
ASHRAE members	\$40	\$47
Non-members	\$47	\$50
Students	\$0 but please register	
Voucher holder	\$0 but please register	
Vouchers are \$320 (9 meals for the price of 8!)		

Please make your reservation via our Web site. Visit the Event Calendar at www.ggashrae.org/calendr.htm and click October 5.

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 Gary at cancellation@ggashrae.org.

October Program

Green Building Confessions



Sandy Mendler and Rachel Bannon HOK

After more than a decade of sustainable design experience, HOK has developed a methodology for post-occupancy evaluations in order to assess how well sustainable design intentions have been achieved. Because of the broad number of issues addressed in sustainable design—such as site ecosystems, impact on building occupants, building systems, and sustainable materials performance—assessing sustainable building performance is a complex undertaking. In order to cover a range of topics, qualitative and quantitative methods to collect and analyze performance are needed. Sandy Mendler and Rachel Bannon will describe HOK's recommended three-step process for gathering such information by illustrating surprising results from post-occupancy evaluations of a selection of award winning green buildings that have been occupied for several years. The findings, addressing both objective data and personal perceptions, will provide fresh thinking on future priorities for high performance, green building design.

Biography of Speakers continued on page 3.

Golden Gate Chapter President's Message, October 2006

On behalf of your Board of Governors, I am pleased to welcome you to the Golden Gate ASHRAE's 2006-2007 year. We are looking forward to a great year of meetings, presentations and enjoying your company.

As I start my Presidential year, I already have many years of delightful memories with the Golden Gate Chapter of ASHRAE. My father, Dick Friedman, was a Golden Gate ASHRAE Past President. I believe we are the first father/son duo to serve as Golden Gate Chapter Presidents. I entered our family business after college and immediately started attending Golden Gate Chapter meetings in the early 80's. My first memories are of awe and respect for my fellow ASHRAE members. I was young and eager to both learn and fit in. The social hour before meetings was difficult because I didn't know many people. My introduction may have been easier than yours, though, because many people knew who I was even though I didn't know them. You may have noticed that engineers aren't always the friendliest sort, but we are caring people, loyal friends and well worth getting to know.

I always looked up to the Past Presidents of the Golden Gate Chapter as the Who's Who of our industry. A group I dreamed someday of rubbing shoulders with. They are bright, articulate, successful... and opinionated, but, they are engineers so that goes without saying. They also have vision and a sense of responsibility towards the HVACR industry. As I spent more time in our chapter I began to understand why.

As a young man I wanted to excel in our industry and become successful. I worked hard and succeeded. As I became more successful I began to gage the value of what I did differently. My first step was to figure out how to build better. The second was to build responsibly. The third came as I watched builders cover our planet and saw the value in building sustainably. Engineers hold an honorable place in society. We are sought to solve problems, build our society and keep it safe; HVAC engineers create healthy places for people to live and work! ASHRAE helps set standards and guidelines that help us. Our local chapter is the step beyond your workplace to meet others, and a place to learn, grow and help others.

I owe everything I have to this industry. I was raised in it. The food I eat and the clothes I wear are earned in this industry. But beyond the material goods, I have a sense of belonging and purpose. One warm place to express that purpose and belonging is at ASHRAE Chapters meetings. I invite you to join us to make a difference in our world and in your life. Through fellow ASHRAE members you will find friendship, work opportunities, job offers, guidance, fun and great stories.

Presidential Challenge

Our leaders are engineers just like you who chose to make a difference starting with a small first step. Take a small amount of time each week to reinvest in our industry, to give back. Each of us has marginal time. For some that marginal time is sleep, for others it is family, but for many of us it is television and other lost hours. My challenge is for you to leverage your marginal time, a couple of hours a week, and convert this time to something you are proud of but different than just working more hours. I challenge you to make a difference by getting more involved in our chapter. Come talk to me at the next meeting about our committees and chapter work. I would be honored if you get involved.

We look forward to making new acquaintances and renewing old ones at the first meeting of the 2006-2007 year, a lunch meeting on Thursday, October 5, 2006, at the Carnelian Room, 555 California St., San Francisco. Our speakers are Sandy Mendler and Rachel Bannon, of HOK San Francisco, two respected green architects speaking on Green Building Confessions. Please join us for lunch at the Carnelian Room. I promise the view alone is worth the time.

Respectfully submitted,
[Glenn Friedman](#), Chapter President

October Program continued—Speakers' biographies

Sandra F. Mendler, AIA

Sandra F. Mendler is a vice president and sustainable design principal for HOK in San Francisco. As a senior designer with over 20 years of professional experience, she has led the sustainable design effort for a variety of project types, with a focus on office buildings and research laboratories. Three of her projects, the World Resources Institute offices, The National Wildlife Federation Headquarters Office Building and the Nidus Center laboratory, have been recognized by the AIA COTE as top ten green buildings of the year. Ms. Mendler serves on the board of directors of the US Green Building Council (USGBC) and is past chairman of the national AIA Committee on the Environment (COTE). Since 1992, Sandy has been integrally involved with the development and implementation of the HOK sustainable design program. That work was honored by Global Green USA, with their 2000 "Designing a Sustainable and Secure World" Award. Sandy has been recognized by Interiors & Sources magazine as an Environmental Champion for 2004; by the IIDA and Collins & Aikman 2001 "Sustainable Design Leadership Award," as well as the Construction Specifiers Institute's (CSI) national Environmental Sensitivity Award in 1998. Her work is widely published in print and on the internet. She is co-author of the HOK Guidebook to Sustainable Design, published by John Wiley & Sons, and principal author of The Greening Curve: Lessons Learned in the Design of the New EPA Campus. She has also served on numerous expert panels, and speaks often at conferences and industry events.

Rachel Bannon, LEED AP

Rachel Bannon is an architectural designer with HOK in San Francisco, having previously worked with Arup and SOM in San Francisco. Her experience ranges from facade engineering to sustainable design project consulting and master planning, in addition to general architectural design on large scale projects in Asia and the Middle East. Rachel has been with HOK since October 2004; her major interest is integrated building design, and this is the subject of a class she currently teaches at the California College of the Arts. As a graduate student at UC Berkeley, Rachel was a researcher at the Center for the Built Environment, where she focused on underfloor air technology and post occupancy evaluations.

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).

Norman S. Wright Corporation Proudly Supports ASHRAE Research



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Marble Draw

Thanks to everyone who donated prizes last year for the marble draw. We appreciate your support and are looking forward to your support again this year.

The pot for the October meeting is \$500, and the odds are 4-1 so be ready to buy your raffle tickets!

If you would like to donate a prize for a future meeting, please contact Becky Courter at 415-407-5726 or bcarta@nroman-wright.com.

Did You Know???

Carl H. Jordan has requested that the following "Did You Know?", first printed in a 1996 Fog, be reprinted because of its importance and relative obscurity:

Did you know that, for years, each edition of the ASHRAE Handbook has had a section entitled "ADDITIONS AND CORRECTIONS"? It is here where additions and corrections to previous editions of the Handbook are published. This section precedes the index at the back of the volume.

Upon receipt of each new Handbook edition, a conscientious engineer (who has ample leisure time) will review the additions and corrections and actually record them at the Handbook location being corrected. Failure to do so may cause one to inadvertently use an incorrect equation, misinterpret a curve, etc.

ASHRAE Research Report

Fahad Rizqi, Resource Promotion Chair, GGASHRAE

2005/2006 Research Promotion Annual Report, Golden Gate Chapter



Congratulations and thank you to those individuals and firms that made Golden Gate the highest donating Region X chapter in 2005-2006. We reached \$20,464, which was a little short of our goal of \$29,601.

A special thank you to our honor roll investors listed below:

Platinum Donors(\$1,000+)

Bay Area SMACNA

Flack + Kurtz

Norman S. Wright Mechanical

Thomas A. Gilbertson & Associates

York International Corp

Corporate Honor Roll (\$250+)

Acutherm

Belimo Air Controls

Edward B. Ward & Company

Specialty AC Products

Syserco

Taylor Engineering

Individual Honor Roll (\$100+)

Edward Arens

Jeff Blaevoet

Kyle Blocker

Richard Charles

John Cross

Edgar DeGuzman

Kevin Dowling

Nathan Fleischer

Dick Friedman.

Glenn Friedman

Johanna Gustafsson

Gary Harbison

Mark Hydeman

Robin James

Carl Jordan

Alonzo Laws

Bob Levi

James Macdonald

Jon Malkovich

Robert Marcial

Dave Nazzaro

Cory Palmer

Jack Palmer

Shlomo Rosenfeld

Albert Scavino

Mike Scofield

Dr. Max H. Sherman

Robert Sonderegger

Steve Taylor

Dennis Thompson

Scott Wayland

Jon Wintermeyer

Gerald Yaffe

I'm extremely excited to be the new Research Promotion Chair. My predecessor Johanna Gustafsson had done a phenomenal job as Research Promotion Chair, and I hope to emulate what she has done in the past. I'm looking forward to a great year with the Golden Gate Chapter and the continued support from its board members, local firms, and individuals. This will be another challenging year, as I will be working towards a new 2006-2007 goal of around \$20,000.

Please contact me if you are interested in sponsoring one of the Fog Dispenser issues, all advertisement slots are currently available.

To make a contribution towards the 2006-2007 campaign please contact me via phone or e-mail.

Thank you and 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



Each of us has joined ASHRAE for various reasons. I personally joined a couple years ago for the networking and leadership opportunities. I have gotten so much more than I expected from ASHRAE and I am excited for the opportunity to share the ASHRAE advantage with others. I look forward to connecting with each of you and helping make our chapter better than ever. As the new membership promotion chair, my goal is to grow our Golden Gate chapter membership, retain our members, and expand ASHRAE's influence on the industry.

You will see me at all ASHRAE meetings and events promoting membership, but I cannot do it alone; I need your help! I hope to re-vitalize and implement many programs including:

- Member-Get-A-Member
- Mentoring
- Young Engineers in ASHRAE (YEA) activities
- Company sponsorship of employees

This is a very interactive committee and I could use several volunteers to help ensure our chapter is a success. I am striving to stay in touch with the spirit of the chapter and its members; the more help I have, the better.

So, spread the word: Join ASHRAE Golden Gate chapter, make sure your membership is accurate and up to date and look forward to an exciting year of growth and connection!

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

Student Activities

Tim Goepner, Student Activities Chair



Hello. My name is Tim Goepner and I am very pleased to have been selected as the Student Activities Chair for the 2006-2007 year and I look forward to an exciting and interesting year working with the student chapters.

I am a graduate of Cal Poly San Luis Obispo with a bachelor's degree in Industrial Technology and Facilities Engineering. I have spent my 20+ year career working for equipment distributors designing and selling engineered process/commercial equipment systems for compressed air, process vacuum, process/wastewater pumping, steam, and commercial hydronic heating/cooling.

Student programs for this year include:

- Senior Undergraduate Project Grants (national)
- Chapter Scholarships
 - Eric Thor Andresen Memorial
 - Don Bryant Memorial
- Student Travel Grants to attend an annual ASHRAE meeting
- Chapter participation in the Bay Area Science Fair

Further details on these programs and applications are posted on the GG Chapter web site except for the Student Undergraduate Grant which is on the national site (<http://www.ashrae.org/students/page/704>).

Chapter Technology Transfer Committee (CTTC)

Scott Wayland, ASHRAE Golden Gate CTT Committee Chair

<http://www.ashrae.org/cttc>, <http://ggashrae.org/cttc>

2006/2007 Technology Awards

It's not too early to start working on an application to participate in this prestigious competition. *If you are thinking about submitting a project, start working on getting the owner or client's approval now!*

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.

The 2006/2007 Chapter Awards will be due in February. 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/14692>

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

<http://resourcecenter.ashrae.org/store/ashrae/newstore.cgi?categoryid=1174&loginid=10995378>

ICC & IAPMO end discussions on proposed joint codes

The future of our codes continues to be uncertain, see the ICC press release here:

<http://www.iccsafe.org/news/nr/2006/0901jointcode.html>

See the IAPMO press release here:

http://www.iapmo.org/iapmo/news/Joint_Venture_Final.pdf#search=%22ICC%22

No word from the California Building Standards Commission, stay tuned...

ASHRAE & Sustainability

You may have noticed that ASHRAE is focusing more on Energy Efficiency, Green Design and Sustainability.

Society would like you to take a look at this: <http://www.engineeringforsustainability.org/>

Please read 'The GAME Plan' <http://engineeringforsustainability.org/GAME%20Plan%20v1%200.pdf>

and share with the Technology Transfer Committee how you think we can reduce ASHRAE's environmental impact.

Join the CTTC Committee

If you like to assist the chapter and get involved with ASHRAE, the CTT committee is one of the best places and could use your help. Talk to a board member or contact Scott Wayland at sewayland@comcast.net

From the Chapter Historian

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

Leo Dwyer, Part 1

If you have not known Leo, you have missed one of life's great experiences. Leo was a bright engineer with a very dry sense of humor – always a gentleman – he made you smile. He was very curious. He always wanted to know how things worked.

He was born in 1918 in Kentfield and was with us until age 83 in 2001.

As a youth, in the 1920s and 30s, he built dams in the creek behind his house. He manufactured explosives in the back yard of his San Anselmo home. He had a reputation in the neighborhood. He had a shotgun at age 10 and would go with adults on hunting trips for pheasants, ducks, geese and quail; and he fished.

Leo obtained his BSME, with honors, from UC Berkeley in 1941. He was a member of the Tau Beta Pi honor society.

During WWII, 1941-1945, he worked at Todd Ship Building and Permanente Metals in Richmond. He was an engineer working on Liberty and Victory ships. In 1945, he married Charlene, who worked in their drafting department. They were married for 55 years. Charlene was most gracious in helping me prepare this history. They lived in San Anselmo and Berkeley for many years.

At the shipyards, Leo had an assistant, Bert Emberton (Bert has been my friend for over 30 years. We play golf together every week.) Bert describes Leo as a very smart man. At a conference table, Leo would do calculations in his head. Then the other engineers at the table, using their slide rules, would confirm Leo's accuracy.

Leo was the best man at Bert's wedding at the Northbrae Community Church in Berkeley in approximately 1945. Leo and Bert formed Codem Engineering in 1945. Their idea was for Leo to do the engineering for Bert's construction (design-build). The business dissolved and Leo became an investor/partner when Bert purchased Berkeley property for his plumbing business.

His professional career began with Signal Oil Co. in Long Beach (before his ship building experience.) Following the war, self-employed, he prepared design drawings for hydraulic presses. In the mid 1940s he worked for Kaiser-Frazer Automobiles (remember them) in Michigan and then Long Beach. Then Leo joined the Clyde Bentley consulting engineering firm in S.F. where, in the late 1950s, he became their chief engineer. In 1959 he formed Ralston & Dwyer that soon became a prominent consulting engineering firm.

His projects included UC Hospital, Mt. Zion Hospital and school designs. He is credited for designing the first radiant ceiling in a major building. Throughout the 1950s he taught engineering at UC Extension and, in the late 1950s he lectured at UC Berkeley. He also regularly lectured at the S.F. Architectural Club.

Leo was a Registered Professional Engineer and a member of ASME and ASHRAE. He was on our Board of Governors and was Treasurer when Karl Guttman was President. In 1956 he was ASHRAE's nominee for the Bay Area's Outstanding Engineer.

See Part 2 next month for an "Ode to Leo."

Thanks, Leo

(Information from Charlene Dwyer, Bert Emberton and personal knowledge.)

2006 Golden Gate ASHRAE Tennis Tournament

After a two year hiatus, the Golden Gate Chapter of ASHRAE hosted a very successful return of the annual tennis tournament. This tournament is a fundraiser for the Eric Thor Andresen Memorial Scholarship Fund as well as a chance for Chapter members to spend an afternoon socializing and playing some gently competitive tennis.

This year, the event took place on Friday, August 11 from 1-4 pm at the San Francisco Tennis Club. We had a record 16 participants, all of varied skill levels, playing in a rotating round-robin doubles format competition. Gatorade, fruit, cheese, bread, and crackers were made available to participants to replenish their calories.

The winners for 2006 are:

- 1st Place: Scott Wallace
- 2nd Place: Paul Friedenbach
- 3rd Place: Robin James

Each participant received a commemorative certificate and the first place finisher will have his name engraved on the trophy which will be presented at the October Chapter meeting. Financially, the tennis tournament faired quite well, profiting \$945.91.

I believe we hosted a very successful event. I look forward to coordinating this fundraising tournament again next year.

James Gronek, 2006 Golden Gate ASHRAE Tennis Tournament Director



2006 Golden Gate ASHRAE Golf Tournament

The Golden Gate Chapter hosted its annual golf tournament on July 28 at Boundary Oaks Golf Course in Walnut Creek. We registered over 140 players for the tournament and raised over \$3,900 for ASHRAE Research. The weather was superb this year, considering that in years past we've experienced everything from cold, foggy weather to searing heat!

Thanks to everyone who played this year and to the generous companies and individuals who sponsored holes and donated raffle prizes. And last but not least - thanks to Kirk Peterson, Golf Tournament Chair, for organizing another great tournament. If you've never played in the annual golf tournament we hope to see you there in 2007!

Cory Palmer, Past President

Minutes of Golden Gate Chapter Meeting—June 1 2006

Carnelian Room, San Francisco

- The meeting started at 6:30 pm with dinner.
- Following dinner were self-introductions by members and guests of the Golden Gate ASHRAE Chapter.
- Golden Gate President Cory Palmer started the announcements at 7:15 PM.
- Cory asked for a motion to approve the minutes of the April 6th, 2006 meeting, which was made, seconded and approved.
- Tom Weaver of the Redwood Empire Section of GGASHRAE presented Cory with a check for \$1,000 for ASHRAE Research.
- Cory announced the Golden Gate Chapter was also making a \$3,000 donation to ASHRAE research.
- Cory announced that Tom Gilbertson was making a donation of \$1,100 to ASHRAE research.
- Announcements were made for the Redwood Empire Section Golf Tournament on July 21st in Santa Rosa, and the GG Chapter Golf Tournament on July 28th in Walnut Creek.
- Cory announced Chapter Awards from the CRC.
 - Full Circle Award (All board members plus RP chair give \$100 each)
 - Research Promotion Goal Buster Award – Johanna Gustafsson (\$18,600 raised)
 - Chapter Historian Award - Carl Jordan
 - PAOE CRC & Meeting attendance 2004-2005
 - PAOE Presidential Award of Excellence – Jon Wintermeyer
- Cory thanked the following people for their contributions this year, with a certificate of appreciation:

Scott Wayland – CTTC

Kirk Peterson – Golf Chair

Carl Jordan – Historian

Erin Bergman – Reception

Edgar de Guzman & Becky Carta– Marble Draw

Amy Cervantes – Membership

Therese Pfeffer – Fog Dispenser Editor

Robert Marcial – Pacific Energy Center

Bobby Bains – Product Show

Wasil Popov – Photos

Gary Harbison – Student Activities

Max Sherman – Seminar

Johanna Gustafsson – Research Promotion.

- Cory Palmer handed over the two ceremonial gavels to incoming President Glenn Friedman.
- 7:45 – Main Program: Robert Marcial introduced John Davi and Sven Thesesn, California Cars Initiative who discussed “The Campaign to Commercialize Plug In Hybrids.”
- 8:55 – Marble draw by Hannah Yan.
- The meeting adjourned at 9:00 PM.
- Next meeting: Thursday, October 5th 2006, at the Carnelian Room for a lunch meeting.

Jeff Blaervoet

Employment Opportunities

Engineer

kW Engineering Inc. is an independent provider of energy engineering services specializing in assessments of energy savings potential in commercial, industrial, and institutional facilities. We are seeking a mid-level engineer to join our team in Oakland. If you have a strong interest in the energy efficiency field, are self-motivated, have 3-5 years of experience and are willing to accept responsibility for a wide range of projects, this could be the right place for you!

Work with an experienced staff committed to saving energy in buildings and industrial processes. We offer flexible work hours, hands-on experience, and a creative, casual work environment. Excellent opportunity to obtain PE. DOE-2 or M&V experience are pluses.

Please submit resume, cover letter and salary requirements to:

kW Engineering, Inc.

287 17th St. Suite 300

Oakland, CA 94612

Job Code: KWEGG

Email: hr@kw-engineering.com or fax 510-834-6421

Senior Plumbing Engineer at Timmons Design Engineers

Timmons Design Engineers is looking for a Sr. Plumbing Engineer to lead our plumbing division, with at least 7 to 10 years of solid design that includes Healthcare (especially medical and laboratory systems), Commercial, and Educational projects.

- Design plumbing and fire protection systems including: domestic hot & cold water systems, water treatment, sanitary drainage and vent systems, storm drainage, and graywater systems
- Pushing the envelope on plumbing design through sustainable and green design practices
- AutoCAD knowledge is a must
- Excellent written and spoken English communication skills
- PE Licensed and LEED AP preferred

To learn more about Timmons Design Engineers and our work please visit our website at

<http://www.timmonsdesigneng.com>.

To apply for this position please email a cover letter and resume to HR Manager at hr@timmonsdesigneng.com

Senior HVAC Engineer at Timmons Design Engineers

Timmons Design Engineers is looking for a HVAC Engineer with 5 + years experience working with Educational, Commercial, Residential, Civic and Health Care projects. Candidates must be detail oriented and have experience using AutoCAD to convert system design sketches into specific layouts to produce project drawings. BSAE or BSME strongly preferred.

- Project Manage MEP team
- Design mechanical systems including: radiant ceilings & floors, geothermal natural ventilation, thermal mass systems, thermal tower systems, etc.
- Understanding of energy modeling & life cycle cost analysis a must
- Excellent written and spoken communication skills
- PE Licensed and LEED preferred

To learn more about Timmons Design Engineers and our work please visit our website at

<http://www.timmonsdesigneng.com>.

To apply for this position please email a cover letter and resume to HR Manager at hr@timmonsdesigneng.com.

Employment Opportunities continued next page

Employment Opportunities continued

Engineer/Technician – Indoor Air Quality

Indoor Environmental Engineering, is a nationally renowned indoor air quality firm seeking full time entry and mid level engineers/technicians. Duties include conducting forensic field investigations of suspected sick buildings, preparing mitigation plans, and developing healthy building management plans. Field investigations involve collection of data related to occupant symptoms, sources of contaminants, concentrations of chemical or biological contaminants, building ventilation rates, and space pressurization. As a leader in the field of building science, IEE offers prospective employees the opportunity to participate in exciting private and government sponsored research projects (see “News and Events” at www.IEE-SF.com). Our office and laboratory is located in San Francisco, CA.

Interested applicants may send their resumes to

Mr. Bud Offermann PE CIH, President, Indoor Environmental Engineering

1448 Pine Street, Suite 103

San Francisco, CA 94109

Fax (415) 567-7763

Offermann@IEE-SF.com

ASHRAE Satellite Broadcast/Webcast

Site coordinator and Webcast registration begins October 2, 2006 for the ASHRAE Satellite Broadcast/Webcast, “Multiple Benefits Solutions for Enhanced Building Security” at www.ashrae.org/homelandsecuritybroadcast2.

Visit this link for Frequently Asked Questions, the Satellite Broadcast Coordinator’s Guide, the Webcast Guide, and information about the speakers and program. A promotional flyer is also available at this link should you need it for your chapter newsletter or other activities.

Two PDH credits will be granted to those who view the broadcast and then complete the Participant Reaction Form on our webpage at www.ashrae.org/homelandsecuritybroadcast2 following the program.

A \$50 discount off a one-year membership will be extended to anyone who joins ASHRAE as a new member in conjunction with the broadcast. See website for details.

If you have questions, call (678) 539-1139 or email ashrae-SatelliteBroadcast@ashrae.org.

2006 - 2007 Event Calendar

<i>Date</i>	<i>Venue</i>	<i>Presentation Topic</i>	<i>Speaker(s)</i>
Thursday, Oct 5, 2006 Lunch	Carnelian Room, S.F.	Green Building Confessions	Sandy Mendler and Rachel Bannon, HOK
Thursday, Nov 2, 2006 Dinner	Scott's Seafood, Oakland	Radiant Heating & Cooling in Bay Area Commercial Buildings	Peter Rumsey, Rumsey Engineers
Thursday, Dec 7, 2006 Dinner with San Jose Chapter	Marriot Hotel, San Mateo	TBA	TBA
Thursday, Jan 11, 2007 Lunch	Carnelian Room, S.F.	TBA	TBA
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	California Culinary Academy, S.F.	Annual Field Trip TBA	TBA
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.



2007 ASHRAE WINTER MEETING, DALLAS, TX
January 27-31
2007 ASHRAE ANNUAL MEETING, LONG BEACH, CA
June 23-27

This pass will entitle one ASHRAE member attending either the Winter or Annual Meeting for the first time a one-day complimentary registration.

This \$190 value can be used two ways:

- **Attend the meeting for one-day only on this complimentary pass**
- or**
- **Use the \$190 toward the advance registration fee of \$385 and attend the entire meeting. (Fee would be \$195)**
- **Save even more with the early bird registration fee of \$360 before the November 2 deadline. (Fee would be \$170 if you applied the one day to the early bird)**

To use this pass, please follow these instructions--

One-day registration: One-day registrations are only available on-site. Bring a copy of this pass to the ASHRAE registration desk located in the Adam's Mark Hotel, Dallas, TX and submit it with your completed registration form. A badge for the day of choice will be provided entitling attendance to all technical sessions presented on that day. Your badge also gets you into the AHR Exposition at the Winter Meeting. (Long Beach information will be available in March 2007).

Full registration: There are three ways to use this letter: bring a copy with you to ASHRAE registration located in the Austin Ballroom at the Adam's Mark, send a copy in with a completed registration form from Insights or indicate in the comment box of the online form that you are using the Free Pass

Total registration fee for early bird (prior to November 2) will be \$170 and advance registration (prior to December 15) will be \$195. Your badge will be available for pick-up at ASHRAE Registration. For complete information and details on registration hours, please refer to the Sept/Oct/Nov Insights or ASHRAE's Home Page www.ashrae.org

Photos from the June 2006 GG ASHRAE Meeting



Left: Herb Duncan and Madhav Chikhale



Right: Dick Charles, Wilma Jordan, and Jim Nemecheck



Left: Cory Palmer passes the gavel to Glenn Friedman
Right: Speakers John Davi and Sven Thesen from CalCars.org



Left: UC student Alex Do and Jeff Blaevoet



Right: Cory Palmer and Robert Marcial



Left: Cory Palmer and Carl Jordan



Right: Cory Palmer and Wasil Popow