

FOG DISPENSER

Golden Gate Chapter



ASHRAE

VOLUME XLV - NUMBER 9

JUN 2007

June Meeting Details

This last dinner meeting of the year is our annual Significant Others and Past Presidents meeting.

Date: Thursday, June 7, 2007

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

Schedule:

- 5:30 PM: Registration and social hour.
- 6:30 PM: Dinner, announcements & introductions
- 7:45 PM: Break
- 8:00 PM: Main program
- 9:00 PM: Adjourn

Cost:

	Before noon Fri., Jun 1	After noon Fri., Jun 1
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 June 7, 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.

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.

June Program

The Asian Century: Current Economic Development and Its Impact on Global Energy



Clark Bisel, Flack + Kurtz

Clark Bisel will present and lead a discussion of tremendous Asian economic growth, rapidly increasing energy needs, our shifting global energy resources, and how the entire globe will be impacted.

Over the past few years Flack + Kurtz has spent a good deal of time in Asia designing extremely large new commercial developments. As a result of this work we have seen firsthand the huge Asian economic transformation now in progress – very startling for us all. Design professionals need to be aware of this changing global picture and the enormous impact we all will feel in the future years.

This is not your typical technical (engineering) lecture, but one that any person can grasp. This information has developed from a variety of sources and can go well beyond technical discussion. The formal talk will be approximately an hour, and any discussion afterwards is encouraged. *Speaker Biography next page*

Golden Gate Chapter President's Message, June 2007



Put photo-voltaics on your home

My wife and I decided to investigate getting photo-voltaic (PV) solar power for our home. The more we looked into it, the more excited I got about reducing our carbon footprint. The challenge became deciding how much solar power to install.

The angel on one shoulder whispered to me to create a model home. With enough solar panels, we could eliminate all our electrical and natural gas usage. We could install an electric furnace, water heater, dryer, and stove top. The devil on my other shoulder shouted to me to do the minimum amount of PV and spend just enough to justify to my friends and neighbors we are “green.”

Over time we convinced the angel and the devil to compromise. We looked at our utility electrical rate schedule, a Time-of-Use utility electrical rate schedule option, and our historic energy consumption, and modeled our PV output. We optimized our payback at 13 years after rebates. Our solar panels were installed last week.

Consider adding solar power PV to your house. It is good for the environment and reflects well on your commitment to sustainability. If you have investments that you plan to leave to your heirs, consider investing now in your home’s energy efficiency and reduced carbon emissions. The asset value of your home will increase with PVs so you can recapture the cost of your investment, and you can invest the savings in your portfolio.

This is my final President’s Message and I want to thank you for a great year. It has been my honor to serve as your chapter President. I couldn’t have done it without our Board of Governors’ and our Committees’ hard work keeping our chapter in tip-top shape. Thank you all!

The June chapter dinner meeting is our final meeting this year and our annual Significant Others and Past Presidents meeting at the Carnelian Room in San Francisco. We hope to see your friends and spouses there. We will announce our Golden Gate Chapter incoming Board of Governors and I will pass the President’s gavel to Robert Marcial. Our topic for the evening is “The Asian Century: Current Economic Development and Its Impact on Global Energy.” This is a very interesting topic and our speaker, Clark Bisel of Flack & Kurtz, has tailored his presentation for a mixed audience of engineers and companions for the evening. We hope to see you there.

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

June Program Continued – Speaker Biography

Clark Bisel

Clark has over twenty-six years of experience with Flack + Kurtz, San Francisco. Mr. Bisel leads the mechanical design team during the preliminary design phase to ensure that all specific project requirements are identified and met; the appropriate design solutions are selected and will then monitor the implementation of the design intent during the production of working drawings.

Mr. Bisel is recognized as an industry leader in sustainable design. His projects have been recognized by their uniqueness in approach and for their energy performance results. He is also actively involved in the analysis and implementation of state-of-the-art technology such as sustainable site planning, indoor environmental quality, thermal storage, daylighting, passive solar and central heat pump design, building systems automation, and commissioning.

Announcement—Fall 2007 GG Chapter ASHRAE Seminar

What you can do about climate change

The Golden Gate Chapter of ASHRAE will present a seminar, “Personal, Professional and Political Climate Solutions: Focus on the Built Environment,” in the fall of 2007, date to be determined.

Climate change has swept into America's consciousness. Every day the news carries stories about looming world catastrophes. Our seminar will explore what we can do, both personally and globally. Join us to examine the 40% of the United States' energy that is consumed in buildings, and where buildings can help solve the climate solution puzzle.

We will examine strategies and technologies for greenhouse gas mitigation in buildings and the market transformations underway as governments, academics, businesses, and the public focus on green solutions.

Who should attend: Policy makers, Code Officials, Developers, Financiers, Contractors, Engineers, Architects, Designers, and Building Managers.

What will be discussed:

- How climate issues are driving our markets
- What goals measure up to the challenge we face
- What is currently being done
- What actions, strategies, tools and technologies we can use
- Where the opportunities are in this changing market

We are excited that Kent Peterson, ASHRAE's incoming national President will be our Keynote Speaker.

Membership Promotion

Kristin DeMartini, Membership Promotion Chair

It has been a fantastic year! Many new members have joined our chapter, making it even stronger. I have enjoyed learning more about each of you, our chapter and ASHRAE. Please remember to update any personal information changes through Society so we can keep you updated on the 2007-2008 Golden Gate chapter meetings and events.

Have a great summer!

Please contact me if you are an active member and still need a name badge.

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

ASHRAE Research Promotion Report

Fahad Rizqi, Resource Promotion Chair Golden Gate Chapter

It's the end of the year and I would like to thank everyone who donated and supported ASHARE Research. This is the last installment of the Research Report for this year. Remember, all contributions need to be sent in by **June 30th**.

The following have contributed this year:

CORPORATE HONOR ROLL (\$250+)

<i>York International</i>	<i>Taylor Engineering</i>
<i>Norman S. Wright</i>	<i>Nazzaro & Associates</i>
<i>Advanced Cooling Tower Tech</i>	<i>Siemens</i>
<i>R F Macdonald Co</i>	<i>Flack & Kurtz</i>
<i>Air Treatment</i>	

INDIVIDUAL HONOR ROLL (\$100+)

<i>Edgar DeGuzman</i>	<i>Jeff Blaevoet</i>	<i>Dr. Max Sherman</i>
<i>Glenn Friedman</i>	<i>Cory palmer</i>	<i>Dale Missimer</i>
<i>Scott Wayland</i>	<i>Robert Marcial</i>	<i>Gary Harbison</i>
<i>Ed Arens</i>	<i>Robert Phillips</i>	<i>Alonzo Laws</i>
<i>Dennis Thompson</i>	<i>James T. Macdonald</i>	<i>Carl Jordan</i>
<i>Shlomo Rosenfeld</i>	<i>Bernard Beckius</i>	<i>Bob Levi</i>
<i>Steve Taylor</i>	<i>Jonathan Malkovich</i>	<i>Richard Charles</i>
<i>Mike Scofield</i>	<i>John C Cross</i>	

Thanks to everyone who has donated! If you have any questions or would like to contribute please contact me via phone or e-mail.

Fahad Rizqi, fahad.rizqi@siemens.com, 510-723-7833

Fog Dispenser Sponsor

We would like to thank Flack and Kurtz of San Francisco for its sponsorship of \$300 for this month's newsletter. Their donation will go directly to Research Promotion



Chapter Technology Transfer Committee (CTTC)

Tyler Bradshaw, ASHRAE Golden Gate CTT Committee Vice Chair

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

2007 Golden Gate Chapter ASHRAE Seminar: “What you can do about climate change”

In the fall, Golden Gate Chapter ASHRAE will present a seminar, “Personal, Professional and Political Climate Solutions: Focus on the Built Environment.” See page 2 for details.

Golden Gate Technology Award competition

It's not too late to start thinking about the 2007 competition. Please contact David Okada or myself on how you can participate in next year's competition.

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 could use your help. Talk to a board member or contact David Okada at david.okada@stantec.com or Tyler Bradshaw at tbradshaw@rumseyengineers.com.

Upcoming Annual Tennis Tournament

Daylight savings gets people excited. More sun equals more smiles. Me? I smile when I have time to play more tennis and daylight savings means just that. And why should you care? Well it's time to dust off that racket and join me in practicing for the 2007 ASHRAE Golden Gate Chapter Eric Thor Andresen Memorial Tennis Tournament! We had record participation, in addition to record enjoyment, last year and this year is going to be even better. Tentatively, the date is set for August 17, 2007 at the San Francisco Tennis Club. Stay tuned for details but if you have any questions or would be interested in helping to sponsor the event, please feel free to contact me.

James Gronek, james.gronek@sffk.com, 415-402-5824

Employment Opportunities

Job Opportunities at MK2 Engineering

www.mk2eng.com

MK2 is currently searching for a qualified **Senior Mechanical Engineer, HVAC Design Engineer, and Mechanical AutoCAD Drafter**. This is an excellent opportunity to work for a great company that offers the chance to grow with a company that has continued to expand due to client retention. MK2 Engineering is committed to continuous improvement, excellence in innovative design, client-driven creative use of technology, and provides a friendly work environment in Napa, California.

Senior Mechanical Engineer

MK2 Engineering is looking for a highly self-motivated HVAC engineer to provide leadership for our mechanical department. Perspective candidates must be California Licensed PE, with minimum of 15 years of Mechanical Engineering experience with a consulting engineering firm. As a Senior Mechanical Engineer, applicant will be expected to effectively coordinate projects, review quality of design product, design mechanical systems and organize staff supporting efforts. Responsibilities include managing all aspects of HVAC and plumbing design projects including system selection, equipment selection, specifications, design, layout, calculations, and field visits, oversight of the profitability and timeliness of production; support the design and engineering of mechanical systems for new installations, system retrofits, system replacement, and system upgrades. Candidate should have knowledge of California T-24 Energy standards, excellent written and verbal communication skills, and be proficient in Microsoft Office.

HVAC Design Engineer

Perspective candidates must have minimum of 5-7 years of mechanical design experience with a consulting engineering firm, knowledge of California T-24 Energy standards, and excellent written and verbal communication skills. As an HVAC Designer, candidate will be expected to perform HVAC design services from schematic design through construction documents. Responsibilities include managing all aspects of HVAC design projects including equipment selection, specifications, systems design, layout, calculations, and field visits with minimal supervision. Need to be able to interface with clients, attend meetings and presentations. Have the ability to coordinate with others.

Mechanical Drafting Personnel

Perspective candidates must have a minimum of 2-4 years of AutoCAD experience with a consulting engineering firm. As a Drafter, applicant will be expected to provide drafting services from marked up drawings, sketches, and verbal instructions. Work should be performed with a minimal supervision. Candidates must have excellent AutoCAD, Microsoft Office, written and verbal communication skills.

Benefits

Benefits include Medical, Dental, Vision, 125 Flex Plan and SIMPLE IRA, Vacation and PTO. MK2 Engineering offers excellent salary and ownership opportunity.

Forward resume to:

Jason Mueller, MK2 Engineering
1428 Second St. Napa CA, 94559
Fax: 707-307-1550
e-mail: resume@mk2eng.com

Employment Opportunities (cont'd)

Job Opportunity at HDR in San Francisco

HDR, Inc.
Energy Engineer / Energy Analyst
San Francisco, CA 94157

HDR is an employee-owned architectural, engineering, planning and consulting firm that excels at helping clients manage complex projects and make sound decisions. Approximately 6,000 professionals, including architects, engineers, consultants, scientists, planners and construction managers, in over 140 locations worldwide, pool their strengths to provide solutions beyond the scope of traditional A/E/C firms.

Job Description:

HDR/Brown, Vence and Associates (BVA) is seeking an energy engineer or energy analyst for our San Francisco office. HDR/BVA is an energy and waste management consulting group within HDR with 25 years of experience providing a full range of technical services related to energy efficiency, renewable energy, and cogeneration projects. This individual will have the opportunity to work on a variety of exciting projects already underway with California utility companies, government agencies, and private companies.

Experience Required:

1. Bachelors or Masters Degree in Engineering or a related field.
2. Ideal candidate has 2+ years of experience in performing engineering and economic analyses for energy efficiency projects and/or programs.
3. Experience with carbon inventories and climate issues a plus.
4. Experience with energy audits, measurement and verification, cogeneration, water efficiency, and green building design is also helpful.

Apply Online:

<http://www.gojobs.com/seeker/aoframeset.asp?jobNum=2392661&JBID=1822>

Employer Job Code: 070979

2006-2007 Event Calendar

<i>Date</i>	<i>Venue</i>	<i>Presentation Topic</i>	<i>Speaker(s)</i>
Thursday, Jun 7, 2007 Dinner & Spouse & Significant Other Night	Carnelian Room, S.F.	The Asian Century: Current Economic Development and Its Impact on Global Energy	Clark Bisel Flack & Kurtz (S.F.)
Friday, July 20, 2007	Boundary Oaks Golf Course, Vallejo	Annual GG ASHRAE Golf Tournament	Contact: Steve Leao sleao@norman- wright.com
Friday, July 27, 2007	Blue Rock Springs Golf Course, Vallejo	9 th Annual Redwood Empire Annual Golf Tournament	
Friday, August 17, 2007 (tentative date)	San Francisco Tennis Club	Annual Golden Gate Chapter Memorial Tennis Tournament	

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).



ASHRAE Golden Gate Chapter 2007 Golf Tournament



Friday, July 20, 2007 • Start Time TBA

Boundary Oaks Golf Course

www.boundaryoak.com

3800 Valley Vista Road, Walnut Creek, California 94598

- Awards Dinner • Scramble Tournament • Prize Raffle
- Two "Longest Drive" Contests • Two "Closest to the Pin" Contests

Contest Sponsors, Tee Sponsors, and Prize Donations are graciously requested

All proceeds benefit ASHRAE Research

For more information, or to sign up your team, please contact
Steve Leao via e-mail: sleao@norman-wright.com

Photos from the May 2007 Golden Gate ASHRAE Meeting and field trip



Left: Cory Palmer and guest.

Right: Hwakong Cheng and Tracy Cornish



Left: Johanna Gustafsson and Greg Thomas

Right: Hans Kaufman n and Andy Jain



Left: Tim Goepfner with guest at his right

Right: Anna Zhou and Kristin DeMartini



Left: Inside the Federal building

Right: The undulating ceiling helps air circulation in the new Federal building

