

Sol Air

Newsletter of the Southern California Chapter: American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.
 April 2005 website: www.ashrae-socal.org Vol. 50, No. 8

APRIL 5, 2005 MEETING INFO:

Edison CTAC
 6090 N. Irwindale Ave, Irwindale, CA 91702

5:30 Tech Program: Tour of Edison's Refrigeration and Thermal Test Center
Speaker: Mr. Ramin Faramarzi, P.E., Southern California Edison

6:05 Social Hour (Fun Time!)

6:45 Dinner
 \$27 with reservation
 \$30 without reservation
 \$10 student member
 Meal choice will be salmon or chicken.

7:45 Main Program: SCE Programs and the Status of the Electric Industry
Speaker: Mr. Gary Green, Director, Southern California Edison

9:00 Meeting Ends
 Reservations: Dale Au or Brenda Montmarquet (626) 961-9640, Fax (626) 961-9041 by Mon., April 4, 2005.

APRIL MAIN PROGRAM: SCE PROGRAMS AND THE STATUS OF THE ELECTRIC INDUSTRY

by *Ishtiaq Chisti*

Mr. Gary Green is the Director of Technical Support in the Major Customer Division (MCD) of the Customer Service Business Unit of SCE. Before assuming his current position in February 2004, he was the Director of the Government and Institutions Segment at MCD.

Gary has more than 25 years of experience in the utility industry including various positions of increasing responsibility at PG&E and PacifiCorp prior to coming to SCE in 1998. While at PG&E as Director of Issues Management, Gary developed and coordinated responses to numerous situations affecting the utility distribution business. He responded to municipalization efforts, customer generation alternatives and assisted in the development of distribution bypass rates. He was also the Assistant to the General Manager and in that position assisted division managers to explore and evaluate the financial, legal, environmental and technical aspects of proposed projects. Mr. Green has experience in Customer Service Operations, Public Affairs and District Operations.

Gary holds a Bachelor of Science Degree in Civil Engineering from UC Davis.

ASHRAE TECH AWARDS

from *Bob Brennan per Russell Lieu*

Regional Deadline - According to Saul Villaneuva, RVC, we have until April 15 (or up to CRC) to submit our technical applications to Regional.

therefore

the Chapter Deadline for Tech Award submission is April 15.

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President's Message

*Don La Marr, President,
Southern California Chapter,
ASHRAE*

Good afternoon to Southern California ASHRAE members. Our meeting in March was held on March 1st at Les Freres Taix.

Unfortunately, I was unable to attend due to a severe bout with the flu. Chad Herrick, our President-Elect, stood in for me and ran both the board meeting and the main meeting. Victor Newman of USACD spoke on Mold Reduction using ultraviolet light for the tech session and Randall Higa of Southern California Gas Company spoke on "CHPS", Collaborative for High Performance Schools at the main session.

Our next meeting is Tuesday April 5 at CTAC over in Irwindale. The technical session will feature a tour of the "Refrigeration and Thermal Test Center" conducted by Ramin Faramarzi. Our main session will feature a talk on the SCE Energy Programs for 2005 and will be handled by Gary Green, Director of Technical Support in the Major Customer Division of the Customer Service Business Unit of SCE.

Everyone should be receiving their ballots for the 2005/2006 Director election. Chad Herrick will be our President for this coming year and I will have the honor of being the Past-President. I look forward to working with Chad for the Chapter. Please make out your votes and send in the ballots as quickly as possible so the results can be announced at our meeting in May.

Remember that Chad Herrick and David Kuo will be going to the Western Regional CRC from May 5 to May 7 in Honolulu, Hawaii. Please give them any subjects you would like them to discuss at the CRC. Chad will be making the final decisions on other members of his team who will also be going to CRC. Ralph Panting is in the process of putting our Chapter report for the 2005 CRC so please give him the requested information and report as quickly as possible so we can send it to our regional leadership team for inclusion in the regional report.

Membership renewals continue to come in but more are needed so Chad and his leadership team will have sufficient funds to make 2005/2006 and even better year

for Southern California ASHRAE. If you have renewed already, please get one of your business associates who is not a member to join at this time. We still need to obtain 50 to 70 renewals or recruit new members as of today's date.

June Yang of Syska & Hennessey is the chair person for the spring seminar. The two topics will be "Fan Fundamental and Sound" and "Laboratory System Design". More information to follow.

Joe Ablay has finalized the arrangements for our spring golf tournament. It will be held on May 11 at Brookside Golf Course in Pasadena next to the Rose Bowl. Joe has begun to receive entrants at this time so please take the time to put together a foursome and to sponsor a Tee sign. There is no limit on the number of Tee signs we can have, so commit to one for your organization. Joe has formed a committee of four people but will need more to work the event itself. Please contact Joe at "jablay@iciglobalgroup.com" if you are able to assist. Remember the golf tournament is our main fund raiser for operating costs for next year.

Remember that there is an ASHRAE satellite broadcast/web cast on "Mold in Our Building Environment" on Wednesday April 13 at the Trane office at 17760 Rowland, City of Industry. See the flyer on another page in Sol Air and send in your acknowledgement. Remember this is a free seminar and lunch will be provided.

Remember the deadline for Technical Award Applications is April 15 and the short form application must be in the hands of our Director and Regional Chair, Don Brandt, by then. If you e-mail it to me, I will forward it to Don. My e-mail address is drlamarr@trane.com.

I would again like to ask principals of our industry (engineers, contractors, and owners)- to get involved and get your associates involved in our ASHRAE Chapter. Only you can make it happen. See you in Irwindale on April 5th.

APRIL TECH FORUM: TOUR OF EDISON'S REFRIGERATION AND THERMAL TEST CENTER

Speaker: Mr. Ramin Faramarzi, P.E., Southern California Edison

Mr. Ramin Faramarzi, P.E., is a senior engineer in the Business Customer Division of Southern California Edison. In addition to being an active member of ASHRAE, Mr. Faramarzi performs pioneering research in the refrigeration area and has published numerous articles on the subject. Ramin will be conducting a tour of Edison's Refrigeration and Thermal Test Center (RTTC), which will constitute the Tech Program for the April meeting.

The RTTC was established in 1996 to test refrigeration and HVAC equipment per ARI standards and to promote the application of energy-efficient refrigeration. The RTTC consists of a demonstration lab that performs realistic and impartial laboratory tests on refrigeration and HVAC equipment. The RTTC is equipped with four environmental chambers, five refrigeration racks and specialized environmental control systems. Results of the RTTC's projects have been referenced in over 30 publications and presented in more than 40 energy conferences and meetings nationwide.

THIS YEAR'S E-WEEK WAS ROCK N AIR CONDITIONING!!!

by Karine Leblanc, Student Activity Director



In celebration of the National Engineer's week, ASHRAE Southern California Chapter organized two events to promote the engineering career to the high school students. We had such a great participation this year, it was just amazing to see the students with eyes and ears peeled.

The first student activity was hosted at the Southern California Edison, Customer Technology Application Center (CTAC). We had around 110 students from different high schools. Heavy participation from William S. Hart USD, Don Bosco Technical Institute, Citrus

College and La Puente, Sparks and Lasallete H.S. The event started with several speakers talking about their career in engineering, their path to become an engineer and their experience in life. The second part of the event was dedicated to the CTAC tour plus a presentation on ASHRAE and Engineering.

The Southern California Gas Company Energy Resource Center (ERC) hosted the second student event. Students from three different schools were attending for a total of twenty students. Valley Christian High School, Maranatha High School and Christian High School did participate to the event. The agenda started the same way with several speakers talking about their careers in engineering, their paths to become an engineer and their experiences in life. The second and third part of the morning consisted of a tour of the ERC and a combustion class with explosion, gas and flame demonstration and education and safety.

This event would have never come alive without the help of the sponsors and volunteers. I would like to thank both SCE and The Gas Company and their considerate staffs for the warm welcome that they gave to the students. Everything was well organized and truly rewarding for, hopefully, our future engineers. Thanks also to the following ASHRAE members: Richard McLeod, Russell Lieu, Jim Toda, Randall Higa, Carlos Ruiz, Larry Bennett, Mike Gallagher, Clay Lampman, and David Kuo.

We are looking forward for next year events. Until then, let's keep promoting the engineering in HVAC!!!





ASHRAE

CHAPTER/REGIONAL TECHNOLOGY AWARD APPLICATION SHORT FORM

INTRODUCTION:

This Short Form has been developed to stimulate more participation in chapter and regional competition.

This form is not intended to replace the full Society Technology Award Application form. Regional winners using the short form will be required to complete the full Technology Award Application form before their applications can be forwarded for Society Competition. (This form does not require extensive narrative, plans or photographs.)

INSTRUCTIONS:

- A. The individual submitting the Technology Award Application must be a current member of ASHRAE who had a significant role in the design or development of the project.
- B. Complete the "Short Form" and use it as the cover page.
- C. Provide a system schematic/diagram not larger than 11" x 17" in size. In addition, attach a brief narrative (maximum of 2 pages). The narrative should include the gross and net building areas applicable to the project, a description of the major building areas (i.e., operating rooms, laboratories, computer rooms, industrial processes, offices, warehouses) and a brief discussion regarding the following five criteria (if a criterion is not applicable, state accordingly):
 - Energy Efficiency
 - Indoor Air Quality
 - Innovation
 - Operation & Maintenance
 - Cost Effectiveness
 - Environmental Impact
- D. Submit your schematic, brief narrative, and completed form to your TEGA Chapter Chair for judging at the chapter level in accordance with their instructions.
- E. Winners in each category from the chapter competition will be submitted by the TEGA Chapter Chair to the Regional TEGA RVC Chair. Submit the appropriate number of copies as requested by your Regional RVC.
- F. It is highly recommended that each entrant confirm by letter (and retain a copy for record) to the owner that the owner has granted permission to submit this project to competition.
- G. International Awards. Award nominations from Region XIII are submitted through the TEGA Chapter Chair as described above. International nominations from outside Region XIII should be submitted to the Director of Technology at ASHRAE; these entries will be processed as regional winners.

NOTE: ASHRAE Technology Awards are the HVAC&R industry's most prestigious honor for efficient energy use in buildings and environmental system performance. While the awards do not certify responsible charge or professional license status, they do recognize outstanding design innovation and successful implementation.

CHAPTER/REGIONAL TECHNOLOGY AWARD - SHORT FORM

1. Category (Check One and indicate New or Existing, if applicable)

I.	Commercial Buildings	_____	New or	_____	Existing
II.	Institutional Buildings	_____	New or	_____	Existing
III.	Health Care Facilities	_____	New or	_____	Existing
IV.	Industrial Facilities or Processes	_____	New or	_____	Existing
V.	Public Assembly	_____	New or	_____	Existing
VI.	Residential	_____	New or	_____	Existing
VII.	Alternative and/or Renewable Energy Use				

2. Name of Building or Project: _____
 City/State: _____

3. Project Description: _____
 - a. Project Study/Design Period: _____
 - b. Has the project been completed (Y/N): _____
 - c. If YES, date completed: _____
 - d. If NO, scheduled date of completion (or other explanation): _____

4. Entrant (ASHRAE Member with Significant Role in Project. If multiple entrants, all must be listed on this form):
 - a. Name: _____ Chapter/Membership #: _____
 - b. Address: _____

 - c. Telephone: (W) _____ (H) _____
 - d. Company: _____
 - e. Title: _____
 - f. Member's Role in Project: _____
 - g. Member's Signature: _____ Date: _____

5. Engineer of Record: _____

By affixing my signature above, I certify that the information contained in this application is accurate to the best of my knowledge. In addition, I certify that I have discussed this entry with the owner and have received permission from the owner to submit this project to the ASHRAE Technology Awards Competition.



Be our guest ... and attend this live, satellite broadcast from ASHRAE provided by Trane, a business of American Standard companies

when

Wednesday,
April 13, 2005

10:00a.m. – 1:00 p.m.

where

Trane
17760 Rowland Street
Industry, CA 91748

SATELLITE BROADCAST/WEBCAST: MOLD IN OUR BUILDING ENVIRONMENT Wednesday, April 13, 2005

Concerns about mold in the building environment are no longer limited to just humid environments or North America. Mold is now a global concern for designers, contractors, building owners/operators and building occupants. Information on how to properly control moisture and humidity conditions in order to minimize mold will be presented in this broadcast/webcast sponsored by ASHRAE's Chapter Technology Transfer Committee (CTTC).

About the Presenters

Presenters will explore prevention of mold in new construction, methods for monitoring mold in indoor environments, detection of biological contaminants, solutions to prevent and/or alleviate mold problems and the legal issues relating to mold contamination.

PDH Credits

Earn 2 PDHs or 2 AIA Learning Units for viewing the Broadcast at a Site or the Webcast from your office.

How do you register for this event?

- Complete the form provided below.
- Contact your Trane sales office with this information.
- Registration deadline: **Wednesday, April 6, 2005**

To register: call (626) 435-1171, or fax this form to (626) 913-7153 or e-mail this information to laguilar@trane.com.

Yes! I plan to attend this Trane satellite broadcast:

Mold in our Building Environment- ASHRAE Sponsored Event

Your name _____
 phone _____
 e-mail _____
 Your company _____
 Number of attendees _____

Southern California Chapter ASHRAE

2005 SPRINGS

GOLF TOURNAMENT

WEDNESDAY

MAY 11, 2005

Brookside Golf Course

Time: Sign in at 9:30 a.m.

Shotgun start at 12:30 pm.

Banquet & Dinner to follow

Limited to 120 golfers

Fees: \$135 per player

\$500 for Foursome

\$600 for Foursome and Hole Sponsor

Dinner only: \$40 per person

Texas Scramble

Awards:

Golf Awards, Door Prizes, Raffles

Company Sponsorships and Donation



Name Company Phone

1. _____
2. _____
3. _____
4. _____

Group Contact Name: _____ Phone: _____

Corporate Hole Sponsor @\$150 \$ _____

Additional Company Donation \$ _____

Totals \$ _____

Golf Chairperson: Joe Ablay Phone: (909) 843-6317 / Fax: (909) 498-0343

Please make checks payable to: Southern California ASHRAE
Send them to: Joe C. Ablay, PE
c/o Integrated Consultants, Inc.
20955 Pathfinder Road, Suite 100, Diamond Bar, CA 91765



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800-937-7222x4601, ask for the American Ingenuity Expo or Fax: 626-854-4690

Email: ingenuity.expo@us-ac.com

Internet: www.us-ac.com and look for the Expo for a complete list of all activities and seminars.

Please inform which meals you expect to participate in:
Breakfast ___ Lunch ___ Evening Appetizers ___

Location:

The Gas Company's Energy Resource Center
9240 Firestone Blvd., Downey, CA 90241

Time:

6:00 in the morning to 8:00 at night

Cost:

Free. (No vendors please.)

Who Should Attend?

HVAC Contractors, Consulting Engineers, Facility Managers, Energy Managers, Maintenance Managers

Shattered You Can't Make it?

Request seminar handouts and equipment brochures by emailing ingenuity.expo@us-ac.com

Disclaimer: Program content and speakers subject to change without notice. Program is for information purposes only.

MEMBERS' CORNER

By Ralph Panting

Please send any changes to me by fax: (562) 697-6296 or by email rpanting@acspecialties.com.

“Happy Birthday” wishes to the following members:

April Birthdays

- | | |
|---------------------|-------------------|
| Aaron Dornan | Jerry Meek |
| Abi Nabipur | Jesus Chavez |
| Adnan Siraj | Joe Ablay |
| Joey Jiron | John Dawson |
| Amir Yazdanniyaz | John Gardner |
| Andrew Ramirez | John Goodwin |
| Anthony Nisich | Karen Klepack |
| April Trafton | Ki Sohn |
| Asghar Esmaeili | Leo Lee |
| Bark Tong | Malcolm Best |
| Bharat Patel | Manuel Perez |
| Bob Injo | Mark Gahman |
| Brian Matosian | Martin Newson |
| Carl Sheriff | Moudood Aslam |
| Charles Dailey | Nick Molhook |
| David Maghen | Phillip Weaver |
| David Unson | Rafik Sarhadian |
| Dom Feliciano | Ralph Panting |
| Domenico Barbato | Ralph Stewart |
| Elissa Srouf | Richard Gilbert |
| Elmo Boldi | Richard Lloyd |
| Ernest Webb | Robert Donat |
| Eugene Urcan | Rogelio Aguilera |
| Fred Loquasto | Samuel Shaner |
| Gabriel Wilson | Scott Mitchell |
| George Hubbell | Shan-Kuo Wang |
| George Machado | Stephen Martin |
| Greg Marciano | Tara Brennan |
| H Gable | Terry Somoahl |
| Haig Demergian | Tseng-Yao Sun |
| Isaac Hananel | Victor Tsuchiyama |
| James Groff | Viroj Isaradharm |
| James Van De Vanter | Walter Slusher |

MARCH MEETING HIGHLIGHTS



Chad Herrick (Left) and main speaker (right) Randall Higa



Chad Herrick (Left) and Tech speaker (right) Dr. Bob Scheir.

HELP WANTED

Anybody wishing to place an ad in this column for an engineering or other position, please submit your request to:

JOEY JIRON,

William J. Yang & Associates:
847 N. Hollywood Way, Suite 100,
Burbank, CA. 91505
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e-mail: joey.jiron@wjya.net

Please make a donation of \$50 per ad made payable to: ASHRAE Southern California Chapter.

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**SOUTHERN CALIFORNIA CHAPTER
PROGRAM SCHEDULE**

May 3, 2005

Tech Program: Installation Bloopers
Speaker: Mr. Paul Wisdom, Western Allied
Main Program: To be determined
Speaker: To be determined

June 2005

Installation Dinner/Dance

WESTERN SECTION PROGRAMS

April 14, 2005

Location: Ventura
Topic: To be determined

May 10, 2005

Location: Santa Maria-Radisson Hotel
Topic: Primary Secondary/Multi-Pump Piping Design
Speaker: Paul Goudsmit, Paco Pumps

June 14, 2005

Location: Santa Barbara
Topic: To be determined

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**Southern California Chapter 2004-2005
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www.ashrae-socal.org



Newsletter of the Southern California Chapter

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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Refrigerating and Air Conditioning Engineers, Inc.

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