

Sol Air

Newsletter of the Southern California Chapter: American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.
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JANUARY 7, 2003 MEETING INFO JOINT MEETING

Les Freres TAIX

1911 Sunset Blvd., Los Angeles, California

5:30 Tech Forum: Contract Documentation
Speaker: Mr. Andy Bussey

6:05 Social Hour (Fun Time!)

6:45 Dinner

\$25 with reservation

\$30 without reservation

\$10 student member

**7:45 Main Program: Fuel Cells and
Microturbine Technology**
Speaker: Mr. David Kuo

9:00 Meeting Ends

Reservations: Dale Au or Brenda Montmarquet (626)
961-9640, Fax (626) 961-9041 by Mon., January 6,
2003.

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JANUARY MAIN MEETING: DISTRIBUTED GENERATION – FUEL CELL AND MICROTURBINE COMBINED HEAT AND POWER SYSTEMS

Speaker: Mr. David Kuo

David Kuo will be speaking about commercial fuel cell and microturbine power systems. With all the recent changes in the electric industry, you will find this technology to be both interesting and viable. David will

discuss how fuel cells and microturbines work, their applications, project economics, and available financial incentives from various government agencies.

David Kuo is the Energy Services Manager for Southern California Air Conditioning Distributors. He is a licensed mechanical engineer with over 8 years of experience in commercial building energy systems. He has performed integrated energy analyses, optimizing building HVAC designs, using computer simulation for numerous nonresidential projects. David was instrumental in developing the statewide new construction energy efficiency incentive program for investor-owned utilities in California.

David is an active member in the Southern California Chapter of ASHRAE. He has served as the Chapter Newsletter Editor, Board Director, and Public Liaison Chairman. David is also a member of the Association of Energy Engineers and is a Certified Energy Manager. He holds a BSME degree from the University of California, Irvine and an MBA degree from California Polytechnic University, Pomona.

JANUARY TECHNICAL FORUM: CONTRACT DOCUMENTATION

Speaker: Mr. Andy Bussey

Mr. Andy Bussey of XCel Mechanical will be speaking on Contract Documentation.

Andy has been a Mechanical Engineer in the industry for 20 years working at both engineering firms and contractors such as Southland Industries. What documentation is required as well as some pitfalls to avoid will be discussed. Andy brings a lot of experience to the table on this matter.



**From the
President's
Desk**

*Ralph Panting, President,
Southern California Chapter,
ASHRAE*

Well, our December joint meeting held at the Gas Company in Downey was very successful. Southern California, Orange Empire and Tri-County Chapters were present with approximately 130 members and guests in attendance. Our distinguished speaker, Frank Shadpour gave a talk on the two forms of DDC control explaining the differences between Bacnet and Lontalk and whether they were open or closed communication systems. ASHRAE sponsors the development of Bacnet which is an open type system of communication. Lontalk is a dedicated secretive type of communication. It's considered a closed system and is usually part of a manufacturers piece of equipment. Bacnet is an open system of communication. It is also the most difficult system to setup. There was no preference presented for either system, both have their place. However like most electronics there is change coming to the DDC industry. Frank thinks that there will be newer and better systems available soon. Only time will tell so stay tuned for future meetings on the

subject. Frank gave a good talk and the evening went well.

Our next meeting is Tuesday, January 7th. The main speaker is David Kuo from SCACD talking on Fuel Cell and MicroTurbine Technology. See you at our next meeting.

By the time you receive your *Sol*Air* Christmas will have past. I do hope that everyone had a great Christmas holiday and that you will have a good and successful new year for 2003.

Bye.....

SOUTHERN CALIFORNIA CHAPTER PROGRAM SCHEDULE

January 7, 2002

Main Program: Litigation Avoidance
Speaker: Donald Dickerson
Tech Forum Insurance Considerations
Speaker: TBD

February 4, 2002

Main Program Engineer/ Contractor Confl
Speaker: Panel Discussion
Tech Forum Spec. Writing
Speaker: TBD

March 4, 2002

Main Program: So. California Changes
Speaker: Ishtiaq Christi
Tech Forum Boiler Emissions
Speaker: Greg Danenhower

April 1, 2002

Main Program: IAQ-Tech 62
Speaker: Vicken Arabien
Tech Forum Modular Cooling Towers
Speaker: TBD

May 6, 2002

Main Program: Acoustics
Speaker: Mark Schaefer
Tech Forum VAV Turndown
Speaker: TBD

June 2002

Installation Dinner/Dance

Western Section Programs

- ❖ January 14, 2003 (Ventura)
- ❖ February 11, 2003 (Santa Barbara)
- ❖ March 11, 2003 (Ventura)
- ❖ April 8, 2003 (Santa Barbara)
- ❖ May 13, 2003 (Ventura)
- ❖ June 10, 2003 (Santa Barbara)

HELP WANTED

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

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

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Charlie Iaimo
Senior Project Manager
ciaimo@eberhardco.com

Mechanical, General/
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15228 Raymer Street
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bob@weilaquatronics.com
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WESTERN ALLIED
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12046 E. Florence Ave. (562) 944-6341
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714-241-7700 562-592-4555
661-323-7627 619-235-0410
FAX 714-241-7770

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EDITOR:
Joey Jiron, e-mail:
jjiron@budlong.com
Editor's Office:
1040 Lincoln Ave., Ste. 210,
Pasadena, CA 91103
(626) 449-4188, x207
fax: (626) 449-4122

www.ashrae-socal.org



ASHRAE
SAN DIEGO CHAPTER



TECHNICAL, ENERGY & GOVERNMENT AFFAIRS COMMITTEE (TEGA)

Presents

FUEL CELL AND MICROTURBINE TECHNOLOGY

Special Guest Lecturers:

Jack Brouwer- UC Irvine

Associate Director of National Fuel Cell Research Center

Mike Magee- San Diego Regional Energy Office

Doug Price- Capstone Microturbines

SYNOPSIS: Understanding of fuel cell and microturbine technology. Cover how it applies today and in the future to the HVAC industry. Discuss the Self Generation Incentive Program and DOE/EPA CHP partnership

WHEN: Tuesday, January 14, 2003

TIME: 1:30 pm to 4:30 pm

WHERE: San Diego Regional Energy Office
8520 Tech Way, Suite 110
San Diego, CA 92123

FEE: \$25.00 per person

PLEASE R.S.V.P. by January 3, 2002

CONTACT: Bayardo Abaunza-baunza@scacd.com
Ph# 858-522-7228