

Orange Spiel

Juicy News from ASHRAE's Orange Empire Chapter



APRIL MEETING NOTICE

TUESDAY, APRIL 29, 2008

MEETING INFORMATION

TUESDAY, APRIL 29, 2008

HOLIDAY INN

2726 S. Grand Avenue, Santa Ana
(see map on page 5)

Technical Session 5:45 – 6:45 p.m.
Social & Registration . . . 6:30 – 7:00 p.m.
Dinner 7:00 – 8:00 p.m.
Dinner Program 8:00 – 9:00 p.m.
Question & Answer 8:45 – 9:00 p.m.

PLEASE E-MAIL (PREFERRED), FAX, OR PHONE YOUR RESERVATIONS TO:

Nancy Koppang, c/o Mason West, Inc.
nkoppang@masonwest.com

Fax : (714) 632-0302
Phone: (714) 630-0701
Cell: (714) 321-2460

PRICE SCHEDULE

All Members and Guests with
On-time Reservations \$30.00
All Members and Guests without
On-time Reservations \$35.00

*Note: Reservations must be placed no later than noon, Thursday, April 24, 2008. Cancellations must be made by noon, Monday, April 28, 2008.

IF CANCELLATION IS NOT RECEIVED YOU WILL BE BILLED FOR THE SESSION

SEE PAGE 5 FOR FAX ORDER FORM

DINNER PROGRAM

"2008 Title 24 Revisions" by Mr. Mike Hydeman, Taylor Engineering, LLC

TECHNICAL SESSION

"Basic Code Compliance" by Mr. Fady Matter, JAS Pacific

Orange Spiel Editor

Christine Dorgan
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DINNER PROGRAM 2008 TITLE 24 REVISIONS

Mark Hydeman, PE is a Principal at Taylor Engineering, LLC in Alameda California. Mark has over 20 years of experience in the design and commissioning of high performing commercial buildings with an emphasis on data centers, central plants, laboratory buildings, and controls.

Mark's contributions to building science research and the industry earned him advancement to a Fellow in the American Society of Heating Refrigeration and Air-Conditioning Engineers.

In addition to his practical design and commissioning work, Mark is active in the development and promulgation of energy codes and research. He is currently the Vice-Chair of ASHRAE SSPC90.1 and has been the lead developer of the non-residential HVAC requirements for Title 24 over the past decade.

Mark has an extensive list of publications (7 books, 12 technical papers and 4 articles) and is widely sought out as an instructor. For the past 10 years he has been an instructor for the UC Berkeley
See *DINNER PROGRAM* page 2)

TECHNICAL SEMINAR BASIC CODE COMPLIANCE

GETTING YOUR PLANS THROUGH PLAN CHECK –

What are the major items reviewed by building department's plan checkers?

- Location of required fire/smoke dampers
- Rated corridors used as plenums
- Equipment smoke detectors requirements
 - New code requirements for:
 - o Commercial Kitchen Exhaust
 - o Equipment on roof
 - o Combustion Air



**TAXES GOT YOU UPSIDE DOWN?
C'MON, YOU CAN STILL AFFORD
DINNER AT THIS MONTH'S
ASHRAE MEETING!**

- o Flue venting
- o FAU in bedrooms
- Other issues reviewed

Fady Mattar is the Vice President of Engineering for JAS Pacific, a consulting firm providing building and safety services to various building departments throughout the United States. Through JAS Pacific, he served as the Interim Building Official for the City of Santa Monica and as the Training Coordinator for LA County Building Department.

Prior to joining JAS Pacific, Fady has served as the Building Official for the City of Long Beach. He has also served as the Assistant Building
See *TECHNICAL SEMINAR* page 2)

PRESIDENT'S MESSAGE

It's hard to believe that our year is coming to an end. We have just two meetings left. Our next presentation should be a blockbuster.

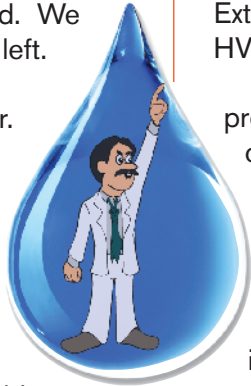
We continue to add new items to our web site to make that more of a resource for you.

Our meeting is one week later this month so that our speaker could come. You won't want to miss Mark Hydeman. Mark is the principle writer of our Title 24 standards and is a vice chair of ASHRAE 90.1 so you know when he speaks that it is very authoritative.

One thing I have noticed about ASHRAE is that there is always a lot going on. By the time you get this we will have had our satellite/web broadcast on integrated design. I hope you will have had a chance to take advantage of this. We can not simply design in a vacuum, especially if we want to give our clients designs that achieve 30% efficiency gains above title 24 minimums, much less net zero energy buildings.

For the vast majority of us, we have not designed a net zero energy building. Probably even a 30 percent building is out of our realm. To get to those levels is a challenge that requires more involvement with the other trades and getting the Architect to think about energy consumption rather than just aesthetics and constructability.

I look forward to seeing many of you on the 29th. **Darren Smith, Orange Empire ASHRAE President** 🍊



DINNER PROGRAM

(continued from page 1)

Extension Service in their HVAC/R certificate program.

Mark will present an overview of California's Title 24 Building Energy Standard in the context of a larger

research and market transformation effort to improve the efficiency of California's building stock. He'll highlight the upcoming changes in the non-residential HVAC requirements in the 2008 version of Title 24 and the HVAC requirements that are currently in development for ASHRAE/IESNA Standard 90.1 2010.

Most of the 90.1 requirements will be adopted in the 2011 version of Title 24. **Rob Fried** 🍊



Mark Hydeman, PE

TECHNICAL SEMINAR

(continued from page 1)

Official for LA County Building Department to culminate a 30-year tenure service with the County. Fady is a Certified Building Official, holds a Bachelor's and Master's Degrees in Mechanical Engineering and is a licensed Mechanical Engineer in the State of California and a certified instructor with International Code Council, the publisher of the international codes. Fady is the past Vice Chairman of the California Building Standards Commission and has served as chair and member of numerous code committees and is a member

of several organizations, such as ICC, CALBO, IAPMO, ASHRAE and ASPE.

For the past 25 years, Fady has taught mechanical engineering and code classes for numerous colleges and organizations, including UCLA ICC and CALBO. **Rob Fried** 🍊



ASHRAE Orange Empire Chapter Meeting Minutes

Date: February 26, 2008

Time: 4:00 PM – 5:40 PM

Place: Holiday Inn

Meeting Attendees:

Robert Fried (RF)
Nabil Habiballah (NH)
Jay Hayashi (JH)
Bob Jones (BJ)
Mike Lynaugh (ML)
Steve Rawski (SR)
Darren Smith (DS)
Rhonda Staley (RS)

Call To Order

Call to order at approximately 4:15 by (DS)

New Business

- (RF) Discussed planning for 2008-2009 year, committee chairs and board positions.
 - o (RF) Discussed volunteers for board positions and possible candidates for Board members and committee chairs. Each meeting attendee discussed their interests for serving 2008-2009 season.
 - o (DS) Volunteered for Historian. (RF) would like to improve the History with pictures from

See **MEETING MINUTES** page 3)

MEETING MINUTES*(continued from page 2)*

- each meeting. Photo documentation of each speaker and special events. Regularly post on OEASHAE.ORG.
- o (ML) Volunteered from webmaster.
 - o Reviewed old meeting attendees for possible volunteers.
 - (DS) requested an update on the roster from (SR). (DS) Has received the new roster download from Society. 198 unpaid members out of 371. (RS) to follow-up with the 198 unpaid members.
 - o (DS) Discussed roster

advertisement.

- (SR) Discussed encouragement of new membership
 - o (SR) Discussed an offering for 1st time members pay for their 1st meal/meeting and they will get 2nd meeting meal free to boost meeting attendance.
- (SR) Moved to authorize Membership Chair RS the ability to selectively offer 1st time members their 2nd meeting meal free if they pay for their 1st meal/meeting. This to be used as a way to promote new members and encourage meeting attendance. Motion carried?
- o (DS) Request board

- members to make (5) calls to solicit advertisers for roster. Make checks payable to "Orange Empire ASHRAE."
- o Name tags to promote membership and encourage networking. (Ronda) to call Brian Kucharek (714) 614-3283 to locate the name tags.
- San Diego chapter announced speaker Tom Checksfield will be speaking at the March 11th meeting located at Camino Country Club Oceanside, CA. Tom will be presenting Energy Savings in Labs.

Adjourn

Meeting adjourned at 5:42 PM.

Mike Lynaugh 🍊

Thanks

ASHRAE GOLF TOURNAMENT HOLE SPONSORS

The Orange County Chapter would like to thank you for your support this year, as well as past years. Your contributions go a long way in supporting chapter activities each year.

ACCO**Air Conditioning Specialties Co.****Air Treatment****Belimo Air Controls****Chevron Energy Solutions****Couts Heating and Cooling****DB Sales and Service****DYK Incorporated****Dawson Company****Engineered Hydronic Systems****F T Andrews Inc. Consulting Engineers****Heat Tech Products****Johnson Controls****Parker Boiler****P2S Engineering****Southern California Boiler****Southern California Gas Co.****Trane Company****Weil-McLain Boiler Company****Win Aire**

There is still time to sign up as a sponsor! See page 5 in this issue of the Orange Spiel for hole sponsor details. *Wayne Najarian, Tournament Chairman* 🍊

2008 ORANGE EMPIRE ASHRAE GOLF TOURNAMENT

sponsored by the Orange Empire ASHRAE Chapter

MONDAY, AUGUST 18, 2008

ALTA VISTA COUNTRY CLUB

777 E. Alta Vista, Placentia, California

SIGN IN

AT 12:00 NOON

SHOTGUN START

AT 1:30 PM

BANQUET TO FOLLOW

\$130.00 per player ■ \$35.00 dinner only

TWO DIVISIONS - REGULAR & SENIOR

senior 60 and over

CALLOWAY & HANDICAP SCORING - BOTH DIVISIONS

REGISTRATION

GOLFERS

Name / Company / Phone #

**SCGA
INDEX**

**DIV.
"R" or "S"**

1. _____	.....	.....
2. _____	.....	.....
3. _____	.....	.....
4. _____	.....	.....
(_____) Golfers @ \$130 each	.....	\$ _____
New Corporate Hole Sponsor @ \$160	.....	\$ _____
Former Corporate Hole Sponsor @ \$125	.....	\$ _____
TOTAL	.....	\$ _____

*** DOOR PRIZES * GOLF PRIZES ***

RANGE BALLS AND ON-COURSE REFRESHMENTS INCLUDED

MAIL, FAX OR EMAIL APPLICATION TO:

ASHRAE Golf

c/o Heat Tech Products

2950 Airway Avenue

Costa Mesa, CA, 92626

Fax: (714) 549-0556

wayne@heattech.com

TO MAKE RESERVATIONS CONTACT:

Wayne Najarian

Phone: (714) 549-0555

Fax: (714) 549-0556

wayne@heattech.com

MAKE CHECKS PAYABLE TO:

Orange Empire ASHRAE

BE A CORPORATE HOLE SPONSOR AT THE 2008 ORANGE EMPIRE ASHRAE

GOLF TOURNAMENT

Dear ASHRAE Golfer and/or Corporate Sponsor:

It's ASHRAE Golf Tournament time again. We hope you and/or members of your organization can play this year. We are again seeking corporate hole sponsors. The cost is \$125 for former sponsors or \$160 for new sponsors. Your company name will be displayed at the tee box on a large plastic sign and your company will be recognized at the Golf Banquet and in the Orange Spiel. The corporate sponsorships assures the financial success of the tournament since the \$130.00 green fee only covers the golf, cart, refreshments, banquet and prizes.

Make copies of the reverse side of this 2008 Announcement/Registration form, distribute them to members of your organization so that they can invite clients and put a foursome together. Post it on your bulletin board. Your company has been very supportive in the past and we hope you will be able to help with a corporate hole sponsorship and/or an appropriate door prize. Send in a copy of the form with your check for a hole sponsorship as soon as possible in order to allow time to have your sign made up.

Thank you for your continued support of ASHRAE. *Wayne Najarian, Golf Chairman*



We are looking for an energetic and dynamic individual to join our team and help cement our company's current position as one of the premier and fastest-growing manufacturer's representative firms in the HVAC industry. Our employees are our most important assets. They are productive, challenged, well trained, working in a casual and fun yet professional environment.

DRYMAXX AIR SOLUTIONS is an Air Conditioning manufacturer's rep firm specializing in Humidity Control Systems for fresh air solutions, coils, UV light disinfectant systems, and air conditioning equipment. We are committed to providing excellent service before, during and after the sale.

THIS POSITION REQUIRES:

- Competitive nature, self starter and results-driven personality.
- The ability to develop new customers whilst maintaining relationships with existing customers.
- The ability to communicate with customers through presentations, face-to-face meetings, in writing and over the phone.

Primary job duties include prioritizing sales calls, setting sales schedules, customer site visits, Database Management, preparing quotations, customer follow up, and processing incoming orders.

College Degree Preferred. 2 - 4 years experience in Air Conditioning-related field (Contractor, Distributor, Manufacturer's rep firm). Word, Excel, PowerPoint, Outlook and ACT knowledge is preferable.

Orange County Location.

Compensation: Draw against commission, IRA, Car Allowance, Health Insurance Allowance, Bonus, Cell Phone and Computer Provided.



MECHANICAL ENGINEER, HVAC AND PLUMBING

The Mechanical Engineer, for **THE DISNEYLAND RESORT** in Anaheim, CA will be responsible for all facility central plant, piping distribution system and HVAC mechanical issues for The Disneyland Resort. This includes energy management, system configuration management and master planning of facilities and distribution systems. You will work with business partners in the development of mechanical standards and processes and will act as the "Resort owner" for compliance to applicable codes, standards and interface, as directed, with regulatory agencies. You will provide "day of" response to mechanical issues relating to maintenance, repair, questions and/or issues from the lines of business (LOB's).

You will also be involved in performance/management of central plant system assessments and inspections to evaluate conditions, operations and maintenance requirements of mechanical systems, engineer mechanical and piping systems to comply with various project scopes of work in accordance with applicable standards and regulations. You will develop and maintain system models and review mechanical/piping system designs created by in-house and outside designers for accuracy, adequacy, quality and completeness. You will provide recommendations for mechanical/piping system improvements, enhancements and replacements and ensure mechanical/piping projects comply with codes, e.g. CBC, NFPA, ASTM, EPA, OSHA, applicable insurance underwriter requirements, CGMP, Industrial Ventilation Standards, ASHRAE Standards, and Disneyland Resort standards. You will also have the opportunity to utilize your strong background in chiller, boiler, HVAC and compressed air systems and equipment as well as your knowledge of Carrier Comfort Works, electrical power management, compressed air and natural gas distribution systems, pumps, meters and valves.

The Disneyland Resort's central plant systems include chillers, hot water boilers, air compressors; cooling towers, pumps, dryers and controls.

To Be Successful In This Role, You Will Need:

- BA/BS Mechanical Engineering.
- EIT or Professional Engineering License (PE) in the State of California.
- Minimum of 8 years of experience in the engineering design and repair of mechanical systems.
- Experience using computer-based mechanical engineering and design tools.
- Proficiency in the use of electronic mail applications, AutoCADD software, MS Office.
- Extensive knowledge of CBC, UMC, UPC, OSHA.
- Excellent oral, written, listening communication skills.
- Ability to clearly communicate complex issues to non-technical peers and to management.
- Strong interpersonal and team-building skills.
- Strong personal integrity and customer focus.
- Excellent problem-solving and analytical skills.

To apply, email a cover letter and resume to:
Disneyland® Resort Professional Staffing

Leslie.c.murphy@disney.com

Please see a complete listing of available job postings at www.disneycareers.com

EOE • Drawing Creativity from Diversity • ©Disney

ASHRAE ORANGE EMPIRE CHAPTER 2007-2008 PARTIAL ROSTER

BOARD OF GOVERNORS

Stephen J. Rawski, P.E.
Bob Jones
Matt Waller, P.E.
Ted C. Kohlenberger

CRC DELEGATE

Rob Fried

CRC ALTERNATE

Jay Hayashi

CHAPTER OFFICERS

President Darren Smith, P.E.
President Elect Robert Fried
Vice President. Nabil Habiballah
Treasurer Jay Hayashi, P.E.
Secretary Mike Lynaugh

SPIEL DEADLINE!!
The May deadline
for articles or ads is
APRIL 25!

COMMITTEES AND CHAIRPERSONS

Membership Promotion Ryan Cheng
Student Activities . . . Hank Bagheri, P.E., Ph.D.
Historian Brian Kucharek
Chapter Technology Transfer Robert Fried
Research Promotion Benjamin Medvitz
Newsletter Editor Christine Dorgan, P.E.
Webmaster Michael Brindley
Reservations Nancy Koppang

Holiday Inn

APRIL 29 MEETING LOCATION MAP



SPIEL ADVERTISING RATES

1/4 Page \$25
1/3 Page \$35
1/2 Page \$50
Full Page \$100
Business Card \$ 25
Website Ad \$100

Contact your Spiel Editor,
Christine Dorgan, at
Phone: (714) 781-1699
E-Mail:
ChristineDorgan@aol.com
Fax (714) 781-4733



M • E • N • U

APRIL MENU

(1) CHICKEN WELLINGTON
Stuffed boneless breast of chicken
en crouete finished with a rich
burgundy shallot wine sauce
OR
(2) Vegetarian Option
EGGPLANT PARMESAN
Gently breaded eggplant wedges in a
rich chunky tomato sauce with onions
and a touch of herbs topped with
melted mozzarella cheese

Both entrees include
mixed greens salad, baked potato,
seasonal vegies, warm dinner rolls and
butter, chef's choice of dessert, iced
tea, gourmet & decaf coffee

PLEASE RSVP FOR THE APRIL 29 MEETING

by Thursday, April 24, 2008 at noon, Cancellations by Monday, April 28, 2008 at noon (**non-cancellations billed**)

Nancy Koppang, c/o Mason West, Inc. • Phone (714) 630-0701

Fax (714) 632-0302 • Cell (714) 321-2460 • E-mail: nkoppang@masonwest.com

ALL MEMBERS AND GUESTS **WITH** ON-TIME RESERVATIONS: \$30.00
ALL MEMBERS AND GUESTS **WITHOUT** ON-TIME RESERVATIONS: \$35.00

Name(s): _____



Menu Choice:

1. 2.
1. 2.
1. 2.

Company: _____
Telephone: _____
E-mail: _____

To be removed from our e-mail list, please notify Jay Hayashi at (562) 497-2999 or email jay.hayashi@p2seng.com
or Steve Rawski at e-mail srawski@semprautilities.com.

PLEASE DO NOT CONTACT THE RESERVATION LINE TO REMOVE YOUR FAX NUMBER FROM OUR LIST.

ORANGE EMPIRE CHAPTER

WINTER / SPRING 2007/08 SCHEDULE

MEETING LOCATION:

HOLIDAY INN

2726 S. Grand Avenue,
Santa Ana

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SEPTEMBER 25, 2007

Technical: California Building Code (CBC)

Dinner: California Mechanical Code (CMC)

Theme: Membership

OCTOBER 23, 2007

Technical: Wireless Controls

Dinner: Best Practices In Controls

Theme: Student Night

NOVEMBER 13, 2007

Technical: Vibration Isolation of Mechanical Systems

Dinner: Sustainability through Aggressive Energy Conservation Programs – K-12 District Wide

DECEMBER 18, 2007

Dinner: ASHRAE Presidential Address "Greater Efficiency Today, Blue Skies Tomorrow—Innovation for a Sustainable Built Environment"

Theme: Past President's Night/Joint Meeting with So. California and Tri-County

Place: Southern California Gas Company's Energy Resource Center (ERC) in Downey

JANUARY 29, 2008

Technical: ASHRAE Technology Awards – Opportunities for Recognition

Dinner: Evaporator Design & Application in Industrial Refrigeration

Theme: Refrigeration / TEGA / Membership

FEBRUARY 26, 2008

Technical: Chilled Beams and Radian Heating/Cooling

Dinner: Dedicated Outside Air Systems

Theme: Research and Past Presidents

MARCH 11, 2008

Dinner: TBD

Theme: Joint Meeting with San Diego

Place: El Camino Country Club, Oceanside

APRIL 29, 2008

Technical: Basic Code Compliance

Dinner: 2008 Title 24 Revisions

Theme: Student Night

MAY 20, 2008

Theme: Research and Officer Installation

Place: TBD



Orange Spiel

www.oeashrae.org

Anaheim, California

ORANGE EMPIRE CHAPTER MEETING SUMMARY

**TUESDAY,
APRIL 29, 2008**

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by Mr. Mike Hydeman,
Taylor Engineering, LLC

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