

# The Grapevine

November 2015

## REASHRAE Winter Dinner Meeting - Dec. 3<sup>rd</sup> 2015

**Save The Date:** Join us for the Redwood Empire ASHRAE dinner meeting with guest speaker Jim Megerson, **“UFAD Commissioning, Troubleshooting, and Design Considerations.”**

Jim Megerson will present on the idiosyncrasies associated with Underfloor air distribution (UFAD) that engineers, contractors and operators need to be aware of so that obstacles to a successfully operating system can be avoided.

UFAD systems are highly integrated with other services and more closely coupled with the building structure than compared to traditional overhead mixing air systems. This inherent quality of UFAD systems demands an integrated and collaborative approach when working on these types of projects.

*Continued on page 2*

### Contents:

Dec. 3 <sup>rd</sup> Dinner Meeting	Pg. 2
President's Message	Pg. 3
ASHRAE Membership	Pg. 4
Joint Meeting Re-Cap	Pg. 5
Golf Tourney Re-Cap	Pg. 6
Dec 4 <sup>th</sup> CSI Holiday Party	Pg. 7



REASHRAE MAILING ADDRESS:  
**P.O. BOX 5284, NAPA, CA 94581**

# December 3<sup>rd</sup>, 2015

## Redwood Empire

### ASHRAE Dinner Meeting



**Napa Elks Lodge 832**  
 6:30pm  
 2840 Soscal Avenue  
 Napa, CA 94558



**Jim Megerson, PE**

Jim is a licensed professional engineer with over 25 years of experience in the design and construction of building systems for commercial, institutional and industrial facilities. Jim focuses his efforts on sustainable design, system diagnostics and commissioning. He uses innovation and creativity to develop sustainable solutions for clients with the goal of optimizing the results for their specific requirements.

He is a member of the United States Green Building Council (USGBC) and the founding Co-Chair of the USGBC-Greater Kansas City Chapter, as well as principal-in-charge of projects winning national and regional ASHRAE technology awards for energy efficiency.

Jim has extensive experience applying displacement ventilation and underfloor air distribution systems to over 30 million square feet in a variety of building types. He has authored several articles and is a frequent presenter at national conferences on the importance of indoor air quality and energy-saving opportunities associated with these systems.

## UFAD Commissioning, Troubleshooting, and Design Considerations

*Continued from cover*

This inherent quality of UFAD systems demands an integrated and collaborative approach when working on these types of projects. This seminar will address issues that arise when designers treat UFAD projects similar to an overhead mixing system during design, construction and balancing. This seminar aims to discuss past experiences and easy steps a design and construction team should take from as early as the design stage to the commissioning, balancing and completion of a project to create optimized UFAD systems in future buildings.

### Learning Objectives:

1. Typical design issues unique to UFAD systems and how they affect commissioning, troubleshooting, test and balancing as compared to traditional overhead ducted systems.
2. Describe typical troubleshooting issues unique to UFAD systems and how they affect commissioning as compared to traditional overhead ducted systems.
3. Explain how design engineer can include design features and requirements to make testing and balancing of UFAD systems more effective.
4. Describe HVAC control strategies appropriate for UFAD systems
5. Describe typical test and balancing issues unique to UFAD systems and how they affect commissioning, troubleshooting, test and balancing as compared to traditional overhead ducted systems.
6. Describe typical construction issues unique to UFAD systems

### Schedule:

5:30 PM Registration and Social Hour  
 6:30 PM Dinner  
 7:30 PM Main Program

**Member pre-registration price - 42\$**

**Non-members and door price - 52\$**

No host bar is available.

You can preregister for the event here:

<http://www.brownpapertickets.com/event/2464215>

### Menu:

Choice of prime rib, salmon or vegetarian dinner. Served with seasonal fresh vegetables, salad, diner rolls and dessert.

## Redwood ASHRAE President's Message



Redwood Section President  
2015-16

**Billy Martin, PE**  
Conservation Mechanical  
Systems Inc.  
Sales Engineer

Dear friends and fellow Redwood ASHRAE Members,

This year is flying by! The holiday season is already upon us. We still have a couple more events upcoming for you this year and next. After the impact of the widespread fires in the area, we are reminded to be thankful for what we have, especially this time of year.

While we can't do much to control the current weather, we can do our part to save energy, limit water consumption and reduce greenhouse gas emissions through our designs and project implementation. Let's make the best of our opportunities to further our education, while leaning on expertise from our fellow members.

A perfect opportunity to share and learn is at our Winter Meeting next week (Dec. 3<sup>rd</sup>) with acclaimed presenter Jim Megerson who will be speaking about designing and commissioning UFAD systems. Come share the knowledge and merriment with us next week.

Our last meeting was lively and educational with an eloquent and entertaining guest (Travis English) who spoke about changing the way we look at Hospital Ventilation. We learned that he is trying to make a difference through pending major changes concerning Health Care design standards. These energy saving changes

require a major mental shift from the previous ideology of the same old, same old.

We had a great golf tournament last month at Bennett Valley. It was wonderful to see so many active participants out on the course. I'd like to extend a special thanks to our numerous sponsors, thank you for your contributions.

In the spirit of giving and thankfulness, I'd like to remind you of the great opportunities to contribute to our scholarship donations because the money that you give goes directly to our scholarship award winners or ASHRAE Research.

Our holiday meeting is normally our best attended meeting, so I look forward to seeing many familiar faces and hopefully some new ones too! See you next week at the Elks Lodge in Napa.

Have a wonderful Thanksgiving!

Billy Martin  
Redwood ASHRAE President

### Redwood ASHRAE SCHOLARSHIP APPLICATION

**New Deadline: Feb. 12**

High school students interested in pursuing engineering fields in college are encouraged to apply.

Please contact Steven Pronchick for further details about the application process.

[SPronchick@csum.edu](mailto:SPronchick@csum.edu)

## ASHRAE

## NOT A NATIONAL ASHRAE MEMBER? WHY JOIN?

By Mike Scofield, Membership Chair for Redwood Empire ASHRAE Section

Your membership in ASHRAE puts you in touch with over 53,000 members in over 170 Chapters worldwide. This group includes Consulting Engineers, Mechanical Contractors, Building Owners, Manufacturing Companies, Educational Institutions, Research Organizations, Architects, Government officials, and all concerned with HVAC&R for the Built Environment.



### LEVELS OF MEMBERSHIP AND COSTS ARE AS FOLLOWS:

- **ASHRAE Member (\$ 202.00)** is available for anyone with 12 years or more ASHRAE approved experience in the HVAC&R Industry.
- **Associate Member ( \$ 202.00)** is available for anyone with less than 12 years of experience in the HVAC&R Industry.
- **Affiliate Member ( \$ 54.00 first year, \$ 74.00 second year and \$ 95.00 third year)** is available for first time members under the age of 30 years. This is an excellent way for the young Design Professional to become involved with ASHRAE at a lower cost. This grade of membership does not include the ASHRAE Handbook publication.

Your membership includes the following Publications and Resources:

- ASHRAE Handbook current the year you join and each year you remain a member.
- Monthly ASHRAE Journal magazine.
- e-Industry and e-Society electronic Newsletters.
- Discounts on attending ASHRAE annual EXPO and Technical Meetings.
- Discounts on over 300 of the HVAC&R Industry Technical Publications.
- Discounted registration for Continuing Education Courses through the ASHRAE Learning Institute.

### ☐ I'll Join RE-ASHRAE for 2015-2016

Send you \$25 check to P.O. Box 5284, Napa, CA 94581  
Make checks payable to Redwood Empire ASHRAE. Thanks!

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Company Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Email: \_\_\_\_\_  
Work Phone: \_\_\_\_\_ Work Fax: \_\_\_\_\_  
Home Phone: \_\_\_\_\_

☐ Please use the following address for ASHRAE correspondence (if different than above):

Address: \_\_\_\_\_  
City, Zip: \_\_\_\_\_

Currently I am a member of:

☐ ASHRAE National Society Member

☐ ASHRAE Golden Gate Chapter

☐ ASHRAE \_\_\_\_\_ Chapter



# Joint Meeting Re-Cap

## September 3<sup>rd</sup>, 2015

### Redwood Empire ASHRAE Dinner Meeting

We had a very engaging and enlightening presentation from Travis English about upcoming changes in ventilation rates for health care facilities.

It was a wonderful evening at Charlie's Restaurant with both CSI and Redwood ASHRAE members.



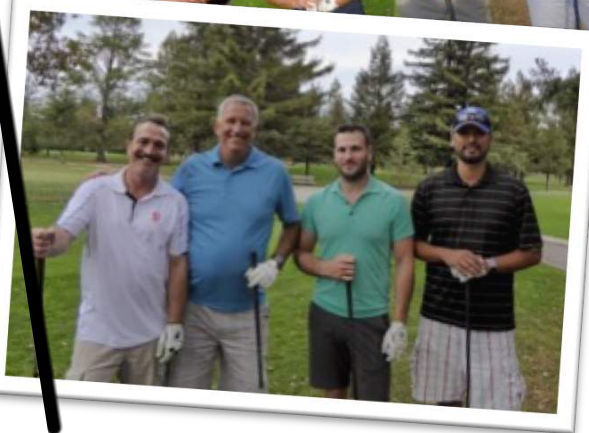
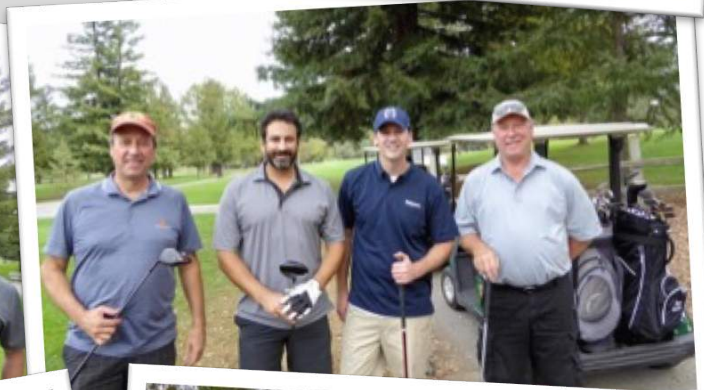


# GOLF TOURNAMENT Re-Cap

## October 23<sup>rd</sup>, 2015

### Fundraiser for Student Scholarships

Thank you all for attending our annual golf tournament fundraiser. We were able to raise funds for scholarships and ASHRAE research. Special thanks to our numerous sponsors for helping to host a fun-filled day.





# SAVE THE DATE 12.04.15

## Please join us in Celebration of the Holidays

### Annual Holiday Party Friday, December 4th, 2015

#### 6:00 PM APPETIZERS / CRUDITES (No Host Bar)

Celery, Carrots, Broccolini, Seasonal Vegetables,  
Roasted Tomato, Basil & Goat Cheese Dip,  
Macadamia Nut Hummus and Pita Chips

#### 7:00 PM DINNER BUFFET

- Spinach salad, dried cranberries, pecans, goat cheese crumbles, champagne vinaigrette
- Pecan and dried fruit wild rice pilaf
- Oven roast root vegetable medley
- Coriander citrus marinated rotisserie chicken, herb jus
- Roast pork loin with dried plum stuffing, port jus
- Assorted holiday pies



**Holiday Party Ticket Cost: \$45.00**

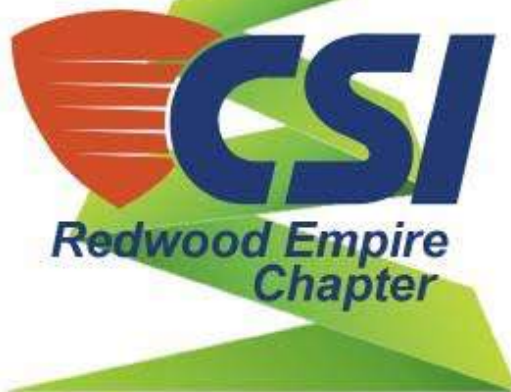
#### LOCATION:

Sheraton Sonoma County Petaluma  
745 Baywood Dr. Petaluma, CA 94954  
Phone: (707) 283-2888

**Why Drive When You Can Ride the Elevator Home!**

Receive special discount room rate when joining us for the Annual Holiday Party!

Register by **December 1<sup>st</sup>** at  
<http://brownpapertickets.com/event/24387779>  
Contact Melissa Hatcher at  
[admin@recsi.org](mailto:admin@recsi.org)



**Back by Popular Demand!**

*The Jami Jamison Band*

- ⇒ Enhance the entertainment and bring a wrapped ornament to participate in the ornament exchange.
- ⇒ Help spread holiday cheer to needy children in our community by bringing a new, unwrapped toy for donation to Toys for Tots.

#### PARTY SPONSORSHIP OPPORTUNITIES AVAILABLE

Our event sponsorship package is \$350.00 and includes the following:

- One free ticket to the Holiday Party. Additional tickets at \$45.00 per person
- Sponsor logo on the Holiday Party Flyers and Invitations
- One free Table-Top display at a CSI dinner meeting through November 2015 Normally \$100.00
- Public recognition and thanks at the Holiday Party
- Public recognition and thanks for 3 months at the CSI dinners
- Public recognition and thanks for 3 months on the CSI website

## The Grapevine

Is published quarterly by the Redwood Empire Section of the Golden Gate Chapter of ASHRAE. We encourage submissions from members and non-members alike that might be of interest to our readers. Submit items via email or CD, either PC or MAC format, along with a hard copy. Please include contact person's name and phone number. Items for publication should be submitted directly to the editor.

Advertisements should be sent to the following address:

Redwood Empire ASHRAE  
P.O. Box 365  
Napa, CA 94559-0365

[www.reashrae.org](http://www.reashrae.org)

The mention of any business, product or service in this newsletter does not imply endorsement by ASHRAE.

If you have questions or comments about the Grapevine, please contact the following:

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### The Grapevine

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Two Open Positions

### The Usual Suspects

Stephen Pronchick  
Mike Scofield  
Michelle Whitsitt

## Events Calendar

**Dec. 3rd** – RE-ASHRAE Meeting at Elks, Napa. **“UFAD SYSTEM FORENSICS AND TROUBLESHOOTING CHALLENGES”**  
Speaker: Jim Megerson, PE with Design Mechanical Inc. and current Chair of the ASHRAE UFAD Technical Committee

**Dec. 4th** – CSI Holiday Party at the Sheraton Sonoma County, Petaluma

**Mar. 10th** – Joint Meeting with Golden Gate ASHRAE in Novato

**Jun. TBD** – RE-ASHRAE Meeting at Lagunitas Brewery in Petaluma

### Your Ad Could Be Here!

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