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Tri-County SUPER HEAT

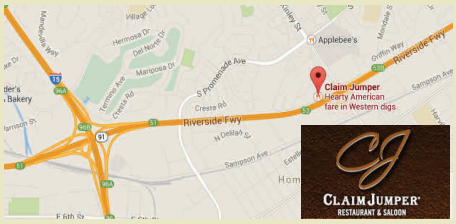
ASHRAE
American Society of Heating, Refrigeration, and Air-Conditioning Engineers

IN THIS ISSUE...

MEETING INFORMATION

Date: February 17, 2015
Location: Claim Jumper Restaurant, Corona

Social Hour: 6:00-7:00
Dinner and Program: 7:00
Cost: $40



We look forward to seeing you again at our next meeting. Claim Jumper Restaurant is located on 380 McKinley Street in Corona, near the 15 and 91 freeway interchange. Please e-mail Felix at ashraetricounty@gmail.com to reserve your spot for the upcoming meeting.

Claim Jumper Restaurant
380 McKinley Street, Corona

ASHRAE'S CORE VALUES

As we get set to kick off our 2014-2015 Tri-County ASHRAE season, let's take a moment to review ASHRAE's core values…

Excellence
ASHRAE education, technical information and all other activities and products will always reflect the best practices that lead our industry. We strive for continuous improvement and innovation in all our practices and products.

Commitment
ASHRAE and its members are passionate about serving the built environment, creating value, and recognizing the accomplishments of others.

Integrity
ASHRAE is committed to the highest ethical standards. We work transparently, observing essential requirements for due process and peer reviews to assure our members and stakeholders that we do the right things the right way.

Collaboration
ASHRAE seeks and embraces collaborative efforts with organizations, agencies, and individuals sharing our commitment to sustainable built environments.

Volunteerism
Members lead ASHRAE at every level, serving ASHRAE and helping ASHRAE serve society.

NOTE: Statements made in this publication are not the expressions of the Society or of the Tri-County chapter but may not be reproduced without special permission of the Tri-County chapter.

LOCAL BUSINESSES

PLEASE SUPPORT OUR BUSINESS CARD ADVERTISERS LOCATED HERE AND ELSEWHERE IN THIS PUBLICATION…

MAKE AN INVESTMENT IN OUR INDUSTRY'S FUTURE!

If you would like to place a business card ad in Super Heat for the 2014-2015 Tri-County ASHRAE season, please contact Felix Monterroso via e-mail at… ashraetricounty@gmail.com

THANK YOU FOR YOUR SUPPORT!!!

Looking for a unique marketing opportunity?

We've got a deal for you!

For only $50 (that's right, only $50!) you and many more can see your business card appear on THIS PAGE of THIS PUBLICATION for the 2014-2015 Tri-County ASHRAE season!

Now that you're interested, send a *.jpg version of your business card to Felix Monterroso at ashraetricounty@gmail.com while sending a check for $50 made out to Tri-County ASHRAE.

Felix will let you know where to send the check when you send your business card file to him at the above e-mail address.

FELIX**MONTERROSO**

TCSH Editor

NEXT MEETING

"Embedded Tube Radiant Cooling Systems "

The Tri-County Chapter cordially invites you to attend the "Radiant Cooling Systems" presentation this coming Tuesday February 17, 2015.

Our guest speaker, Devin Abellon, Regional Vice Chair in Region X and ASHRAE distinguished lecturer, will present on how radiant cooling design strategy embodies the integration of architectural design and HVAC systems design to target energy efficiency and comfort.

Radiant cooling is an integrated design strategy where the thermal mass of the building itself is used to effectively manage comfort within the occupied space.

With over 19 years of experience in the HVAC industry with a focus on engineering and consulting, professional engineer Devin Abellon will explore the fundamental concepts of how radiant cooling systems work, how they are designed, constructed and controlled, and how they can be used as part of an energy-efficient design solution to maximize energy performance.

So don't miss out on this presentation, which will help you answer critical questions about the main objectives of Radiant Cooling Systems; alternative systems that continue to gain momentum in North America.

ASHRAE DISTINGUISHED LECTURER PROGRAM

LAST MEETING

Smart Laboratory Ventilation Control:

At our January meeting Roman Zaretsky unraveled the mysteries of how to maintain strict ventilation design requirements for critical environments such as laboratories, while integrating energy efficient strategies. As every problem-solving strategy begins, he began by first identifying laboratory key issues that would need to be addressed, for above all else, indoor air quality (IAQ) must be maintained within code enforced limitations.

In many cases, existing ventilation systems would need to be refurbished or upgraded to support modern technologies, depending on the age and design of the existing system. Roman explained that the existing HVAC system should be investigated in detail to identify any losses within the system, e.g. air leaks or debris within ductwork. Once all repairs or upgrades have been completed, energy efficient strategies could be implemented through the use of sophisticated air flow controls and strategic programming. Careful considerations would need to be made that would not jeopardize the IAQ of the laboratories. Some control strategies that Roman presented included demand control ventilation, the use of occupancy sensors and advanced fume extraction devices.

This is but a brief summary of the presentation and discussion which took place at our January meeting. For questions or more information regarding smart laboratory ventilation control, Roman Zaretsky has shared his contact info below.

Roman Zaretsky, CEO
Zaretsky Engineering Solutions, Inc.
roman@zaretskyengineering.com
(714) 788-9875

ZARETSKY ENGINEERING SOLUTIONS
DBA ZARETSKY BUILDING SOLUTIONS

Priceless Pics

Last month, Tri-County welcomed guests speaker Roman Zaretsky who presented on ventilation design requirements for critical environments such as laboratories. The presentation was informative and of great importance for the energy efficient oriented ASHRAE Tri-County members. It was another great night of learning and networking!

Photos courtesy of Ryan Rodriguez.

Job Opportunities

GOSS ENGINEERING

Goss Engineering is looking for a licensed Mechanical Engineer with HVAC design experience.

GEI is seeking a licensed Mechanical Engineer who will assist on MEP study and design projects, from conceptual design through construction administration. The ideal Mechanical Engineer should have experience preforming engineering calculations for airside and waterside projects.

The ideal candidate will:

- *Be a licensed professional engineer (PE) in Mechanical Engineering*
- *Have, at a minimum, a Bachelor's Degree in Mechanical Engineering*
- *Have, at a minimum, 5 years of project experience in mechanical design*
- *Be proficient with HVAC calculation software, including TRACE 700 and EnergyPro*
- *Be proficient with Microsoft Office Suite*
- *Be proficient with AutoCAD*
- *Have experience preparing bid documents*
- *Have a working knowledge of California codes, including CMC, CBC, and Title 24*
- *Be familiar with HVAC industry standards, including ASHRAE and SMACNA*
- *Be detailed-oriented, with an eye for superior Quality Control / Quality Assurance*
- *Have superb communication skills*

Contact:

Human Resources

jobs@gossengineering.com

2014-2015 PARTIAL ROSTER

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Home Page Webmaster / Technology Transfer — **Kakeru Fujikawa**, Goss Engineering, Inc. — 714.310.8126

***Everyone* in Tri-County is responsible for building a better tomorrow!**

Tri-County
SUPER HEAT

6040A Irwindale Avenue,
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CELEBRATING
25 PLUS
YEARS
1989-2015
TRI-COUNTY ASHRAE!

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1989-1990	SUKHDEV**MATHAUDHU**
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2013-2014	NICOLAS**ROSNER**

— *journal of the tri-county chapter of the* —

American Society of Heating, Refrigerating, and Air Conditioning Engineers

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.