

# Tri-County SUPER HEAT ASHRAE

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

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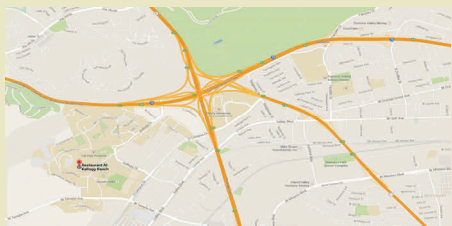
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## MEETING INFORMATION

**Date:** April 21, 2015  
**Location:** Kellogg West  
 Cal Poly Pomona

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



*We look forward to seeing you again at our next meeting. Kellogg West is located on 3801 West Temple Avenue in Pomona, near the 10 and 57 freeway interchange. Please e-mail Felix at [ashraetricounty@gmail.com](mailto:ashraetricounty@gmail.com) to reserve your spot for the upcoming meeting.*

Kellogg West  
 3801 West Temple Avenue  
 Pomona, CA 91768

## 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](mailto: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](mailto: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**

**J. D. Sales Co.**  
ENGINEERED PRODUCTS

**MAHENDRA MISTRY**

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- DURAFLEX Hoses
- AMMARK Thermostatic Valves
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DEVELOPMENT GROUP 1681 W. SECOND ST.  
POMONA, CA 91766

# NEXT MEETING

## ***Tri-County ASHRAE meets ASHRAE CPP,***

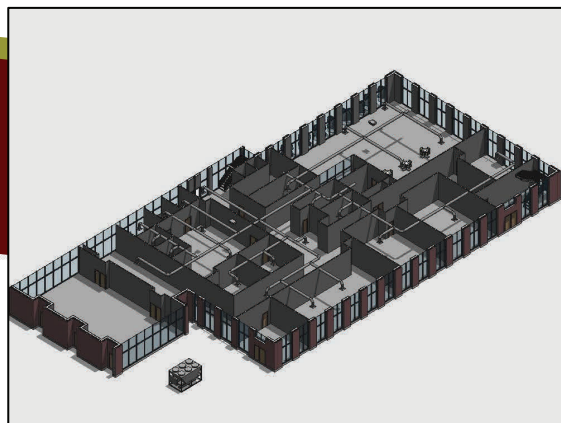
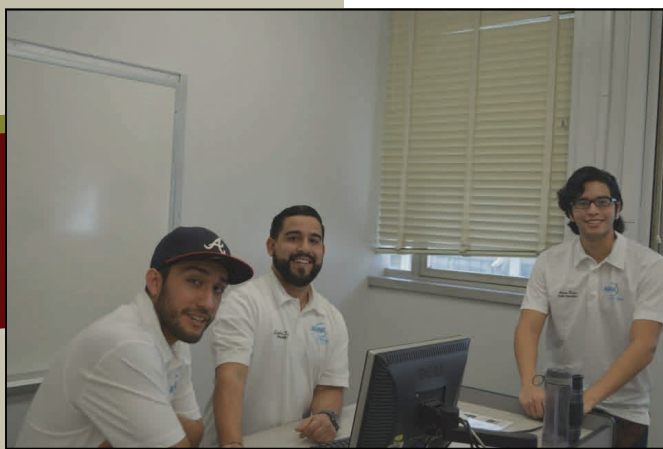
### ***Student Night***

***The Tri-County Chapter cordially invites you to attend and support the “Student Night” this coming Tuesday April 21, 2015.***

***Students representing the ASHRAE club at the California Polytechnic University in Pomona will be providing a brief presentation of the annual “ASHRAE Student Design Competition” in which they are competing against top universities in the country. In addition, the president of ASHRAE CPP, Carlos Soria, and officers will be updating members on the Student Branch’s performance for this school year.***

***Finally, The Tri-County ASHRAE Chapter will be assisting young undergraduate engineers in the search for jobs by performing mock interviews and providing feedback to all participating students.***

***We encourage all ASHRAE Tri-County members to come and support this venue which never displeases and often draws the best and brightest up and coming talent that Cal Poly has to offer.***

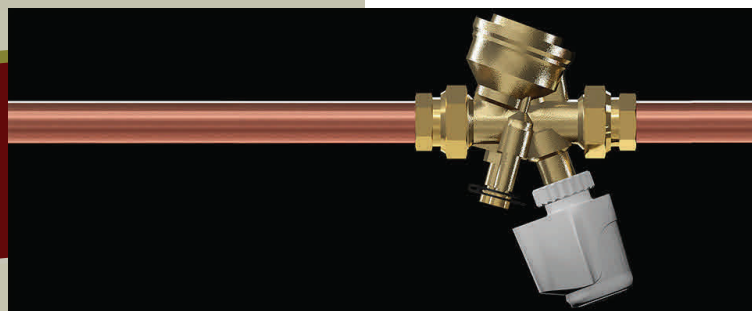


## ***"Pressure Independent Systems"***

***At our February meeting, guest speaker Ryan Bullard, Regional Sales Manager for Victaulic, the originator in grooved piping, presented on Pressure Independent Systems. Having worked as a hydronic balancing and control specialist in Los Angeles for 4 years; Ryan shared his knowledge on differential pressure controllers with the Tri-County ASHRAE members.***

***His presentation examined the causes of temperature difference degradation, poor space temperature control, and other issues related to over pressurization. Ryan explained the direct and indirect benefits of utilizing a pressure independent hydronic design as they relate to owners, engineers, contractors, balancing techs and commissioning agents. According to Ryan, control valves should work with improved authority, meaning that the differential pressure across the valve does not vary by much when in a fully open position. He demonstrated to our chapter members how to size a control valve with Dp control within the desired design authority. A carefully sized valve will not only have improved controllability, but also reduced noise risk and pump head.***

***This is but a brief summary of the presentation and discussion which took place at our March meeting. For questions or more information regarding Pressure Independent Systems, Ryan Bullard has shared his contact info below.***



Ryan Bullard  
(213)-703-5897  
rbullard@victaulic.com



# PRICELESS PICS



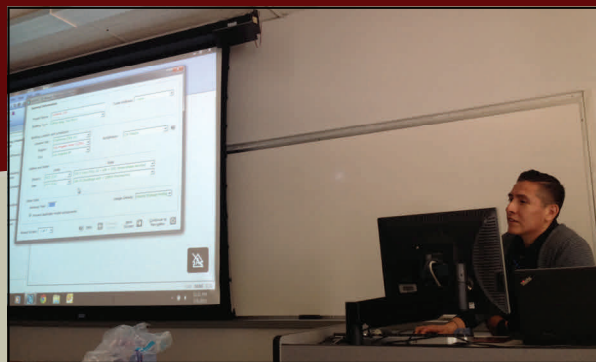
**Last month, Tri-County welcomed guests speaker Ryan Bullard who presented on “Pressure Independent Systems”. The presentation was informative and of great importance for the energy efficient oriented ASHRAE Tri-County members. It was another great night of learning and networking!**

*Photos courtesy of Felix Monterroso.*

## **"Tri-County ASHRAE Training for Students"**

**On March 5<sup>th</sup> Ian Villazana (YEA Chair and Treasurer for the ASHRAE Tri-County chapter) and Heather Schopplein (ASHRAE Region X's YEA Regional Coordinator) teamed up to educate Cal Poly Pomona's ASHRAE student branch. Ian and Heather were invited to present at one of the student branch's regular on campus meetings in an effort to engage students by providing an opportunity for interaction between students and industry professionals. The presentation consisted of an exercise on eQuest energy modeling software as well as an overview on what it means to be a part of Young Engineers in ASHRAE. The presentation was received extremely well by the students, leaving them empowered to continue as an ASHRAE member as they progress forward in their careers.**

**To learn how you can get involved and support the CPP ASHRAE student chapter, please contact Ian Villazana at [ivillazana@willdan.com](mailto:ivillazana@willdan.com)**



# GOLF TOURNAMENT



## TRI-COUNTY ASHRAE PRESENTS:



THURSDAY, APRIL 23RD, 2015  
HIDDEN VALLEY GOLF CLUB  
10 CLUBHOUSE DR.  
NORCO, CA 92860

SCASHS PRIZES, BOXED  
LUNCHES, AWARDS & DINNER  
AFTER TOURNAMENT

TEE TIME: 1:00 P.M.  
Shotgun Format  
REGISTRATION: 11:00 AM-1:00 PM (Free Range Balls)

## 2015 Annual Tri-County Golf Tournament

Registration (Before April 10<sup>th</sup>): \$170.00 Per Player

Registration (After April 10<sup>th</sup>): \$185.00 Per Player

- HOLE SPONSORSHIP (with sign, \$125) -

### Instructions:

- Fax Registration Form(s) to Joe Sanders at (562) 695-8282  
Or Email: Joe.Sanders@DMGHVAC.com
- For Payment Through Credit Card/PayPal Email:  
ivillazana@willdan.com for Instructions
- Make Checks Payable to: Tri-County ASHRAE
- Mail Check(s) and a Copy of Registration Form(s) to:

Joe Sanders – DMG Corporation  
1110 West Taft Avenue  
Orange, CA 92865  
(562) 692-1277



### Awards and Recognition:

- Trophy and Cash Prize for 1<sup>st</sup> and 2<sup>nd</sup> Place
- Cash Prize for Closest to the Pin
- Cash Prize for Longest Drive
- Silent Auction
- Raffle Prizes

# 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 performing 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](mailto:jobs@gossengineering.com)**





## Join us at ASHRAE's 2015 Annual Conference

June 27–July 1 | Atlanta, Georgia | [www.ashrae.org/atlanta](http://www.ashrae.org/atlanta)

Special first  
time attendee  
registration  
fee available!

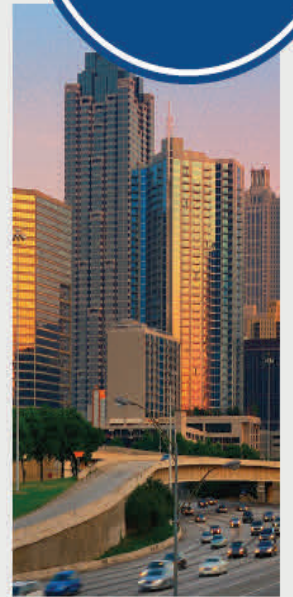
Join ASHRAE in its hometown of Atlanta! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and modeling, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; sit for an ASHRAE certification exam; and earn professional development credits.

**Conference Technical Program**—includes the third annual Research Summit, which brings together researchers to present and discuss the latest research. Tracks focus on the design, construction and operation of high performance buildings, specifically advanced design guidance, modeling, operation and optimization, and indoor air quality. Laboratories, refrigeration, fundamentals, applications, systems and equipment round out the program.

**Networking**—share ideas and learn from fellow members from your hometown and around the world.

**ASHRAE Learning Institute**—choose from two full-day professional development seminars and seven half-day short courses to stay current on new HVAC&R technologies.

**ASHRAE Certification**—to gain a competitive edge, apply by June 9 to sit for an ASHRAE Certification exam.



# 2014-2015 PARTIAL ROSTER

## Officers

<b>President</b>	<b>Ryan Rodriguez</b> Willdan Energy Solutions — 626-260-6623
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<b>Home Page Webmaster / Technology Transfer</b>	<b>Kakeru Fujikawa</b> Goss Engineering, Inc. — 714.310.8126



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

# Tri-County SUPER HEAT

6040A Irwindale Avenue,  
Irwindale, CA 91702

CELEBRATING

PLUS

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1989-2015

TRI-COUNTY ASHRAE!

## P A S T P R E S I D E N T S

1988-1989	SUKHDEV MATHAUDHU
1989-1990	SUKHDEV MATHAUDHU
1990-1991	JEFF LEONARD
1991-1992	DEL THOMAS
1992-1993	TONY PIERCE
1993-1994	GREG MORIN
1994-1995	TONY HENKEL
1995-1996	JOHN HAVILAND
1996-1997	JOEL CARTER
1997-1998	CHANDRA CHINDE
1998-1999	JIM TODA
1999-2000	RICHARD MCLEOD
2000-2001	KERRY PARKER
2001-2002	DEBRA CHAVIRA-SMITH
2002-2003	LUCASHYMAN
2003-2004	JOE SANDERS
2004-2005	BOB GASTEL
2005-2006	ART ANDRES
2006-2007	JIM PARKER
2007-2008	KYLE LANDIS
2008-2009	RICK CREED
2009-2010	ROBERT MORSE
2010-2011	TIM HALD
2011-2012	JAIMELopez
2012-2013	ERICK DELGADO
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.