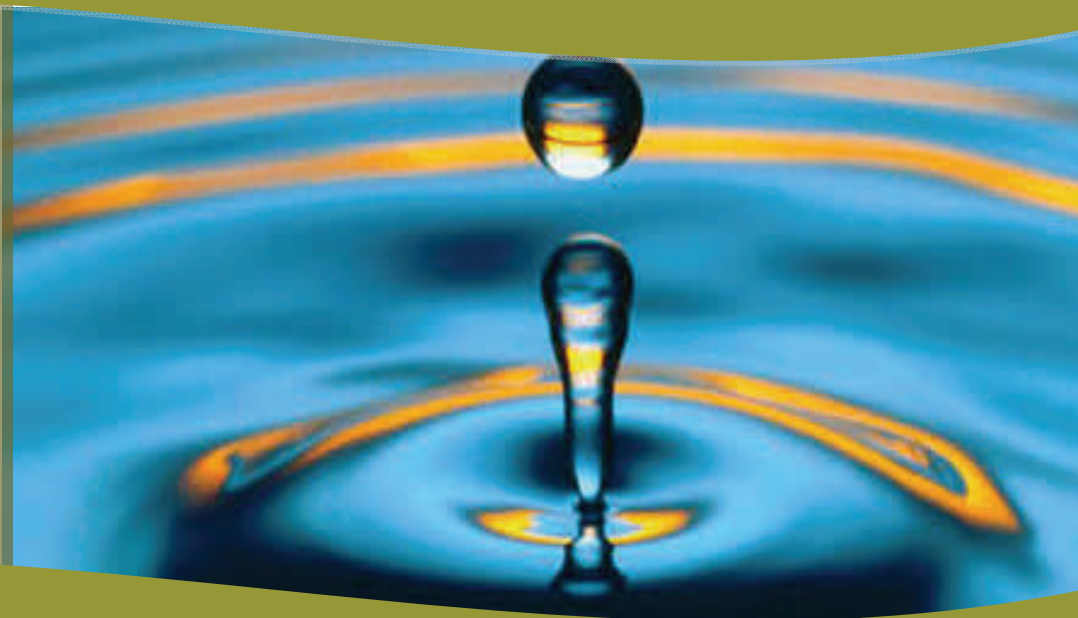


# Tri-County SUPER HEAT ASHRAE

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

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## MEETING INFORMATION

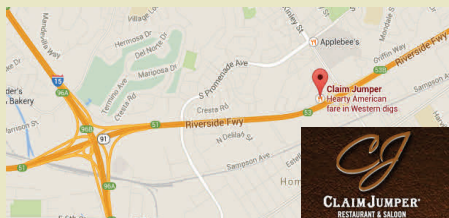
**Date:** September 15, 2015

**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](mailto: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 2015-2016 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 2015-2016  
Tri-County ASHRAE season,  
please contact

Felix Monterroso via e-mail  
at...

[ashraetricounty@gmail.com](mailto:ashraetricounty@gmail.com)

*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 2015-2016 Tri-County ASHRAE season!*

*Now that you're interested, send a \*.jpg version of  
your business card to [ashraetricounty@gmail.com](mailto:ashraetricounty@gmail.com)  
while sending a check for \$50 made out to  
Tri-County ASHRAE.*

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

**FELIX MONTERROSO**

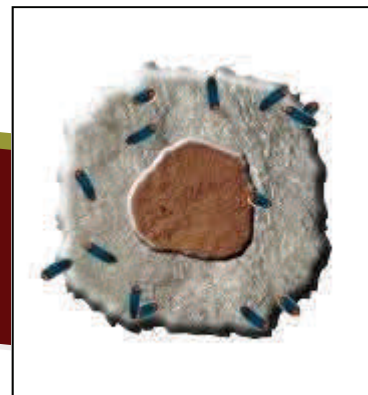
TCSH Editor

## **"Chemical Free Water Treatment Systems"**

***Rob French, Director of Business Development at Flow-Tech HVAC, has been working with chemical free water treatment and filtration for over a decade and has worked along with the inventors of the Dolphin, FlowMark, Griswold Wave, Ultrasonic Systems UPR, and Flow-Tech chemical free water treatment systems.***

***Rob has played an integral role in hardware development, product launches, marketing, business development, sales management, and training for the latter three organizations. His involvement in several projects are currently saving millions of gallons of water every day, while eliminating the use of chemicals in cooling towers.***

***For this presentation, Rob will cover what chemical free water treatment systems are, what they can do, and how they can reduce water consumption. The presentation will also cover the systems' limits and the ancillary equipment that can provide substantial benefit to cooling systems. Additionally, the most common types of systems will be compared and analyzed; all your questions and concerns will be appreciated for discussion. Finally, there will be a section on benefits including a section on the bacteria legionella\*.***



# WHAT'S NEW?

## **Cal Poly Pomona ASHRAE Student Branch Achievement**

***The ASHRAE Design Competition is a contest sponsored by ASHRAE to encourage students to become involved in our industry. The Design Competition teams chose to select or design the HVAC system for a given building in a specific location around the world. The Cal Poly Pomona Student Branch team competed in the HVAC System “Selection” category.***

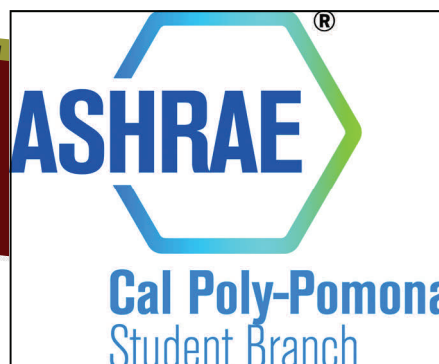
***The Cal Poly Pomona Student Branch 2015 team achieved their first ever Design Competition “place” finish thanks to their devotion and interest in the HVAC field . The team finished in second place for their Design Competition entry.***

***The Cal Poly Pomona entry went through two levels of ASHRAE Design competition. The first level was at a Regional Level, where Cal Poly Pomona defeated Cal Poly San Luis Obispo to win the Regional Level competition. The second level was the National Society Level. Cal Poly Pomona then finished second, out of four Region winners, in the Society Level. This is truly incredible and memorable!***

***Congratulations to team members and Faculty advisor Professor Kevin Anderson for this great accomplishment!***

***Tri County members and former Cal Poly Pomona Broncos are proud of you.***

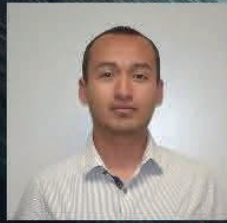
*Jim Toda (Cal Poly Pomona Student Branch advisor)*



# PRICELESS PICS



Carlos Soria



Moises Mandujano



Alec Trejos



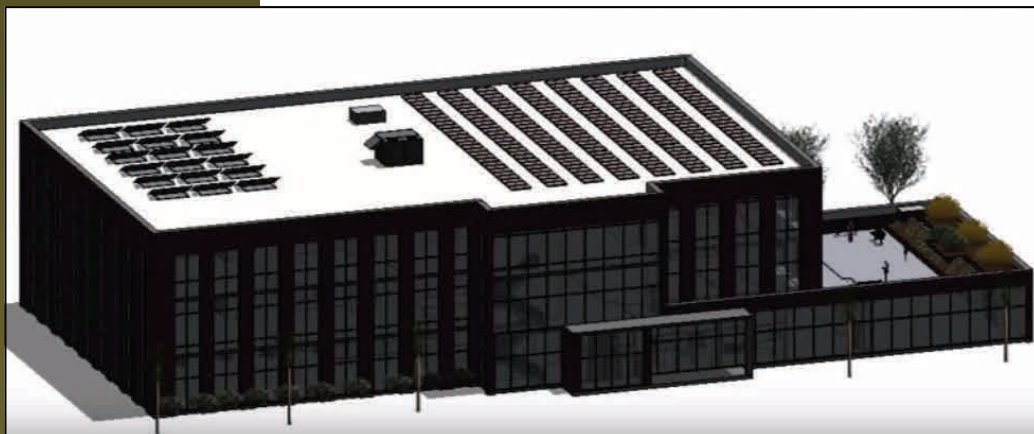
Mauricio Gonzalez



Darius Shu



Joseph Scribner



The team members for the Design Competition entry were: Carlos Ruiz Soria, Moises Mandujano, Alec B. Trejos, Mauricio A. Gonzalez, Darius Shu, and Joseph Scribner.

Congratulations to team members and Faculty advisor Professor Kevin Anderson for this great accomplishment!

Tri County Chapter salutes you!

# CHAPTER REGIONAL CONFERENCE



## 2015 Region X Chapter Regional Conference (CRC)

The 2015 CRC for ASHRAE Region X took place on August 13-15, 2015 at the Toll House Hotel in Los Gatos, California.

The San Jose Chapter welcomed the members of Region X to beautiful Los Gatos for a weekend of Region & Chapter Business, Training and of fun. In addition, the event called for the celebration of the 50th anniversary of the San Jose Chapter, which took place Saturday evening following the conclusion of the CRC.

### SCHEDULE

Thursday 8/13/15			
	Event	Attendees	Attire
12:00 PM - 2:00 PM	CRC Orientation and Motion Workshop	S, R, N, DA	BC
2:00 PM - 3:00 PM	Caucus Orientation	N, DA	BC
3:00 PM - 6:00 PM	Tech Session	All	BC
6:00 PM - 9:00 PM	Welcome Dinner	All	Cas
Friday 8/14/15			
	Event	Attendees	Attire
6:00 AM - 7:30AM	Caucus Breakfast	N, DA	BC
6:30 AM - 8:00AM	Breakfast Buffet	All	BC
8:00 AM - 12:00 PM	Business Session 1	All	BC
12:00 PM - 2:00 PM	Presidential Luncheon	All	BC
2:00 PM - 5:00 PM	Chapter Operations Workshop	S, R, N, DA, C, O	BC
6:00 PM - 9:00 PM	Awards Dinner	All	C
9:30 PM	YEA Activity	All	Cas
Saturday 8/15/15			
	Event	Attendees	Attire
6:00 AM - 7:30AM	Executive Session	N, DA	BC
6:30 AM - 8:00AM	Breakfast Buffet	All	BC
8:00 AM - 12:00 PM	Workshops (see workshop schedule)		BC
12:00 PM - 1:30 PM	Lunch Buffet	All	BC
1:30 PM - 5:30 PM	Business Session 2	All	BC
5:30 PM - 6:30 PM	Debrief	S, R, N, 2016 CRC Chair	BC
6:30 PM - 11:00 PM	SJ Chapter 50th Anniversary	Separate Ticket Req.	BT

#### Attendees

(A): All (S) Society Off/Staff (R) Regional Officers (N) Nominating  
 (DA) Delegates & Alternates (C) Committee Chairs  
 (O) Chapter Officers

### VISITING SOCIETY OFFICERS & STAFF

Society President David Underwood  
 Society VP Charles Gulledge  
 ASHRAE Staff

### REGION X OFFICERS 2015-2016

DRC Karine LeBlanc  
 ARC Joe Chin  
 RMCR Jack Zarour  
 Treasurer Robert Kunkel  
 Student Activities Adam Davis  
 Membership Erik Sanchez  
 CTTC Andy Reilman  
 GGAC Mark Bender  
 Resource Promotion Zberri Alvi  
 YRC Heather Schopplein  
 Historian Clay Lampman  
 Nominating Don Brandt  
 Nominating Alternate Maries Calad  
 Nominating Reserve Tiffany Bates





TTG Engineers is looking for a full-time energetic, organized, and driven Mechanical Engineer in Ontario, California .

*TTG Engineers is a leading full-service design engineering firm offering exceptional Structural, Mechanical, Electrical, Plumbing, Fire Protection and Civil design engineering services.*

**Responsibilities include:**

- *Analysis, design skills, presenting technical information, equipment, quality and focus.*
- *Proficient in latest Energy Pro software and other HVAC system calculation software.*
- *Proficient in Auto CAD & REVIT 2012.*
- *Prepare Plan Check/OSHPD related documentation.*
- *Experience with Client Communication required.*
- *Generate project specific spec's & details*
- *Ability to work with minimal supervision*
- *Ability to take lead in multi-discipline coordination.*
- *Candidate will have excellent oral and written communication skills.*
- *Site Investigation and Inspection experience preferred.*

**Requirements**

- *10+ years experience in HVAC systems design with institutional, commercial, educational, and healthcare projects.*
- *Bachelor's Degree in Mechanical Engineering*
- *California P.E. Professional Registration required*
- *Knowledge of LEED documentation*

*If you are interested forward your resume to [tkuehl@ttgcorp.com](mailto:tkuehl@ttgcorp.com), Attention: Tricia Kuehl. TTG Engineers, 901 Via Piemonte, Suite 400, Ontario, CA 91764*

# 2015-2016 PARTIAL ROSTER

## Officers

<b>President</b>	<b>Shaw Gentry</b> Goss Engineering, Inc. — 951-233-1827
<b>President-Elect</b>	<b>Chris Robles</b> DMG — 562-692-1277
<b>Treasurer</b>	<b>Kakeru Fujikawa</b> Goss Engineering, Inc. — 714.310.8126
<b>Secretary</b>	<b>Ian Villazana</b> Willdan Energy Solutions — 714-278-8325

## Board of Governors

<b>John Garcia</b> RF MacDonald Company — 714-412-1534
<b>Jaime Lopez</b> Southern California Gas — 951-533-1121
<b>Adam Stadnik</b> Southern California Edison — 909-261-7632

## Committee Chairs

<b>Historian</b>	<b>Ryan Rodriguez</b> Willdan Energy Solutions — 626-260-6623
<b>Resource Promotion</b>	<b>Jim Toda</b> Custom Cooling Company — 909.599.9222
<b>Student Activities</b>	<b>Joe Sanders</b> DMG — 951-310-3235
<b>Newsletter Editor</b>	<b>Mike Lo</b> Southern California Edison — 626.633.3035
<b>Membership Promotion</b>	<b>Felix Monterroso</b> Willdan Energy Solutions — 626.629.9658
<b>Home Page Webmaster / Technology Transfer</b>	<b>Erick Delgado</b> Air Conditioning Specialties Co. — 626.840.9001
	<b>Felix Monterroso</b> Willdan Energy Solutions — 626.629.9658



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

# Tri-County SUPER HEAT

6040A Irwindale Avenue,  
Irwindale, CA 91702

CELEBRATING  
PLUS  
**25** YEARS  
1989-2015  
TRI-COUNTY ASHRAE!

— 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.

<b>P</b>	1988-1989	SUKHDEV MATHAUDHU
<b>A</b>	1989-1990	SUKHDEV MATHAUDHU
<b>S</b>	1990-1991	JEFF LEONARD
<b>T</b>	1991-1992	DEL THOMAS
<b>R</b>	1992-1993	TONY PIERCE
<b>E</b>	1993-1994	GREG MORIN
<b>S</b>	1994-1995	TONY HENKEL
<b>I</b>	1995-1996	JOHN HAVILAND
<b>D</b>	1996-1997	JOEL CARTER
<b>P</b>	1997-1998	CHANDRACHINDE
<b>R</b>	1998-1999	JIM TODA
<b>E</b>	1999-2000	RICHARD MCLEOD
<b>S</b>	2000-2001	KERRY PARKER
<b>I</b>	2001-2002	DEBRA CHAVIRA-SMITH
<b>D</b>	2002-2003	LUCASHYMAN
<b>S</b>	2003-2004	JOE SANDERS
<b>T</b>	2004-2005	BOB GASTEL
<b>P</b>	2005-2006	ART ANDRES
<b>R</b>	2006-2007	JIM PARKER
<b>E</b>	2007-2008	KYLE LANDIS
<b>S</b>	2008-2009	RICK CREED
<b>I</b>	2009-2010	ROBERT MORSE
<b>D</b>	2010-2011	TIM HALD
<b>S</b>	2011-2012	JAIMELopez
<b>T</b>	2012-2013	ERICK DELGADO
<b>P</b>	2013-2014	NICOLAS ROSNER
<b>R</b>	2014-2015	RYAN RODRIGUEZ