

# Tri-County SUPER HEAT ASHRAE

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

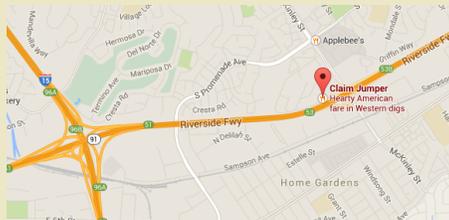
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## MEETING INFORMATION

**Date:** November 21, 2017  
**Location:** Claim Jumper Restaurant, Corona  
**Social Hour:** 6:00-7:00  
**Dinner and Program:** 7:00  
**Cost:** \$45



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 Rich Morrow 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 continue our 2017-2018 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 2017-2018  
Tri-County ASHRAE season,  
please contact

Richard Morrow 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 2017-2018 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.*

**RICHARDMORROW**

TCSH Editor

## *Our ASHRAE leaders for the 2017-2018 season!*

### Officers

President: Ian Villazana / ACCO

President Elect: Kakeru Fujikawa / Goss Engineering

Secretary: Felix Monterroso / Willdan Energy Solutions

Treasurer: Elyse Johnson / IMEG Corp.

### Board Members

Board Member: Chris Robles / DMG

Board Member: Ryan Rodriguez / Opterra Energy Solutions

Board Member: Shaw Gentry / Goss Engineering Inc.



## LAST MEETING

***“How Good Leaders Become Great Leaders with Emotional Intelligence ”***

***Leaders become great, not because of their power, but because of their ability to empower others. –John Maxwell***

***These days, the society is all about grades; who has the best grades and which school you have been graduating from. But why is it that employees with average grades from average schools are surpassing their All-Stars peers? Why is it that we have managers, boss and CEO that are not performing or that are not liked by their employees?***

***Emotional intelligence is definitely one of the key elements in improving your leadership skills in life, at work and with your volunteer organization like ASHRAE. Emotional intelligence is the key to your success!***

***There are four E.Q. skills: Self Awareness, Self management, Social awareness and Relationship management. And there are many strategies in improving your E.Q. skills to improve yourself.***

***This presentation touched on the discussion between E.Q. vs gender, age and culture, ASHRAE being a global organization.***

***To the right, our current ASHRAE president, Ian Villazana and last month’s guest speaker, Karine Leblanc***



## LAST MEETING

***“How Good Leaders Become Great Leaders with Emotional Intelligence ”***

***Karine Leblanc received her bachelor degree in Mechanical engineering from Ecole de Technologie Superieure (ETS), a public engineering school in Montreal, Quebec, Canada, who was founded in 1974 and that is part of University of Quebec. ETS is specialized in applied teaching and technology transfer to companies.***

***Karine has been working as an HVAC sales engineer for US Air Conditioning Distributors since 2002 and has been an active member of ASHRAE since she was a student.***

***In 2009-2010, Karine was the 2nd female and youngest President of the 85th year old chapter of Southern California. She has served on the ASHRAE Society Board of Director from 2014-2017 and became the first female Region X Director Regional Chair since 1959.***

***She has received the Louise & Bill Holladay chapter Distinguished service award, the Region X Director's Cup award, the Regional Award of Merit and the Distinguished Service Award.***



## NEW MEETING

### *“How UV-C Can Reduce HVAC Energy, Maintenance Costs and Improve IAQ ”*

*This presentation will briefly describe what UV-C energy is and how it's produced. It will touch on how UV-C has been used for nearly 100 years to destroy microorganisms on surfaces and in air. It will illustrate how UV-C is currently used to provide a “Green”, non-chemical method of stripping dirt and grime from coil and drain pan surfaces without residue. Case studies will be provided along with the simple methods used to validate their aging HVAC systems return to near new performance. Suggestions will be made on how to take advantage of this increased performance to save energy. We will also discuss current standards and guidelines within ASHRAE, UL and ISO.*

*UVR's recent growth stems from its ability to provide higher quality, longer warranted products in the markets it serves and at the most affordable price, world-wide. Users are assured of receiving national and internationally available components that are properly configured to protect people, goods and equipment from harmful microorganisms, and other organic materials on surfaces and in air. Our goal is to provide easily validated results to anyone, anywhere.*



## NEW MEETING

*“How UV-C Can Reduce HVAC Energy, Maintenance Costs and Improve IAQ ”*

*The presenter, Mike McKinney has been active for ten years in the HVAC industry. He spent six years with an air filter distributor in Los Angeles, and two years as the Western Regional Manager for a large air filter manufacturer. He is currently the Western Regional Manager for UV Resources, a leading manufacturer of UV-C products for the HVAC&R industry that provide surface and airborne microbial control and organic materials decontamination. He has a Bachelor of Science degree in Economics from the University of California, Davis. He is a member of ASHRAE, CSHE, and NAFA.*



# MONTHLY DINNER SCHEDULE

## 2017-2018 ASHRAE Monthly Dinner Schedule

Month	Date	Location	Address	Topic	Presenter / Title
October	10/17/2017	Claim Jumper	380 McKinley St. Corona, CA 92879	"How Good Leaders Become Great Leaders with Emotional Intelligence"	Karine LeBlanc / Sales Engineer, USACD
November	11/21/2017	Claim Jumper	380 McKinley St. Corona, CA 92879	"How UV-C Can Reduce HVAC Energy, Maintenance Costs, and Improve IAQ"	Mike McKinney / Western Regional Manager, UV Resources
December (Joint Meeting)	12/12/2017	Energy Resource Center	9240 Firestone Blvd. Downey, CA 90241	"Sustaining ASHRAE Through Leadership"	Ron Jarnagin / Principal Owner at RLK Technical Consultants, LLC
January	1/16/2018	Co Co Palm	1600 Fairplex Dr. Pomona, CA 91768	"Owner's Perspective of MEP Consultants"	Carl Newth / Campus Director of Engineering, UCLA
February	2/20/2018	Claim Jumper	380 McKinley St. Corona, CA 92879	"Green Buildings: Help or Hype?"	Hank Jackson / Owner, Etech Solutions
March	3/20/2018	Claim Jumper	380 McKinley St. Corona, CA 92879	"HVAC Hall of Shame: Examples of Poor Engineering Design and How to Avoid"	Mike Gallagher / Mechanical Service Engineer, Western Allied Corp.
April (Student Night)	4/17/2018	Cal Poly Pomona Kellogg West	3801 W Temple Ave. Pomona, CA 91768	Student Night- "Update on Variable Air Volume & Constant Air Volume Technology"	Tom Podgurski / Group Director, Royal Service
May	5/15/2018	TBD	TBD	TBD	TBD
June	6/19/2018	Wick's Brewery	11620 Sterling Avenue C. Riverside, CA 92503	Installation Dinner	-

# JOB OPPORTUNITIES



*Willdan Energy Solutions (WES) is a national leader in energy efficiency. WES's expertise covers building system retrofits, commissioning and retro-commissioning, demonstrations of new technologies, energy efficiency education/outreach, sustainability strategy and local government partnerships.*

*WES's business is growing and we currently have an opening for a senior level energy efficiency Project Development Engineer in our Anaheim, CA office. The candidate must be able to work in a collaborative environment with our engineering staff, program managers and sales team to develop energy savings solutions and implement efficiency projects for our customers. The candidate must be able to identify efficiency and operational solutions for customers, develop proposals, sell projects, and oversee design and construction. This is a technical leadership role that involves directing entry level engineers, with oversight by senior level engineers.*

#### **Requirements:**

- Knowledge of mechanical equipment such as motors, pumps, and variable speed drives
- Knowledge of HVAC equipment and systems, such as chillers, cooling towers, air handlers, chilled and hot water loops, and boilers
- Knowledge of energy efficient lighting technology and lighting controls, such as LED, occupancy sensors, day-lighting, etc.
- BS in Mechanical Engineering or related field
- Professional Engineer's license preferred
- Min of 10 years' experience in energy efficiency, facility design/build, HVAC controls and/or performance contracting industry
- Computer proficiency, experience with Windows-based office applications required. Some travel required

*If you are interested forward your resume to [samoni@willdan.com](mailto:samoni@willdan.com) Attention: Shafi Amoni. Willdan Energy Solutions, 2401 E Katella Ave #300, Anaheim, CA 92806*



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*

# 2017 PARTIAL ROSTER



## Officers

<b>President</b>	<b>Ian Villazana</b> Willdan Energy Solutions — 714-278-8325
<b>President-Elect</b>	<b>Kakeru Fujikawa</b> Goss Engineering, Inc. — 714.310.8126
<b>Secretary</b>	<b>Felix Monterroso</b> Willdan Energy Solutions — 626.629.9658
<b>Treasurer</b>	<b>Elyse Johnson</b> IMEG Corp. —

## Board of Governors

<b>Chris Robles</b> DMG — 562-692-1277
<b>Shaw Gentry</b> Goss Engineering, Inc. — 951-233-1827
<b>Ryan Rodriguez</b> Opterra Energy Services — 626.260.6623

## Committee Chairs

<b>Membership Promotion</b>	<b>Ryan Rodriguez</b> Opterra Energy Solutions — 626-260-6623
<b>Historian</b>	<b>Jim Toda</b> Custom Cooling Company — 909.599.9222
<b>Student Activities</b>	<b>Jim Toda</b> Custom Cooling Company — 909.599.9222
<b>Research Promotion</b>	<b>Joe Sanders</b> Dynamic Engineered Systems, Inc — 951-278-0282
<b>Membership Promotion Co-Chair</b>	<b>Erick Delgado</b> Air Conditioning Specialties Co. — 626.840.9001
<b>Newsletter Editor</b>	<b>Richard Morrow</b> Goss Engineering Inc. — 909.725.2737
<b>Home Page Webmaster / Technology Transfer</b>	<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 28 YEARS 1989-2017 TRI-COUNTY ASHRAE!**

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

1988-1989	SUKHDEV MATHAUDHU	2014-2015	RYAN RODRIGUEZ
1989-1990	SUKHDEV MATHAUDHU	2015-2016	SHAW GENTRY
1990-1991	JEFF LEONARD	2016-2017	CHRIS ROBLES
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	JAI MELOPEZ		
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.