

Tri-County SUPER HEAT ASHRAE

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

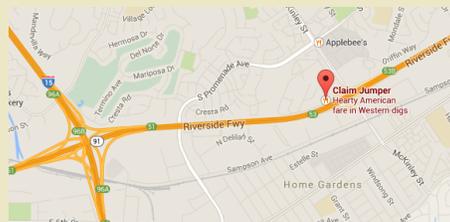
IN THIS ISSUE...

ASHRAE's Core Values	1
Local Businesses	2
Leadership	3
Last Meeting	4
New Meeting	6
Leadership Recall	8
Student Activities	10
Monthly Dinner Schedule	12
Job Opportunities	13
Partial Roster	14



MEETING INFORMATION

Date: March 20, 2018
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 to reserve your spot for the upcoming meeting.

Claim Jumper Restaurant

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

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
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 Services

Board Member: Shaw Gentry / Goss Engineering Inc.



LAST MEETING

“Green Buildings: Help or Hype? ”

This workshop is designed to familiarize participants with the state-of-the-art in sustainable design, current issues and design tools, and likely future developments. This workshop includes a survey of sustainable design practice, including LEED certification process. This course is designed for architects, engineers, residential developers, and large institutional and commercial property owners interested in building a “green building”.

Hank Jackson, owner and principal of ETech Solutions, has provided technical training and consulting services in the energy efficiency marketplace since 1979. He holds a Bachelor of Aerospace Engineering (1974) and a Master of Science in Aerospace Engineering (1978), both from the Georgia Institute of Technology, Atlanta, Georgia. Originally registered in Georgia, Mr. Jackson's currently practices in North Carolina.

Mr. Jackson served as director of the Georgia Industrial Energy Extension Service program at the Georgia Institute of Technology prior to entering a private consulting practice. During a five year hiatus from consulting (1999 – 2005), he was department chair of Mechanical Engineering Technology at Asheville-Buncombe Technical Community College in Asheville, North Carolina.



LAST MEETING

“Green Buildings: Help or Hype? ”

Mr. Jackson specializes in energy management consulting and custom design of energy efficient mechanical systems for commercial, institutional, and industrial buildings. He has provided training for numerous public electric and natural gas utilities, including Georgia Power, Midwest Gas, Pacific Gas and Electric, Southern California Edison, and Niagara Mohawk Power. He has also traveled abroad to Jamaica and Central America to conduct energy audits and to provide technical training, including a lecture series in Spanish.

Mr. Jackson has been a member of ASHRAE since 1983. He co-authored “Infiltration heat gains through cold storage room doorways,” 1989 with W.A. Hendrix and D.R. Henderson, ASHRAE Transactions 95(2).



NEW MEETING

“HVAC Wall of Shame Slide Show “

A visual tour of HVAC mistakes, misdeeds and poor planning that will illustrate what not to do, along with a discussion of what should have been done instead. To keep some balance, there are also a few pictures of things I've seen along the way that were a particularly good example of what should be done, as well as a couple of innocuous pictures that have a great accompanying story. We will laugh and cry our way through some highlights (and lowlights) of things done in the name of Heating, Ventilation and Air Conditioning.

A 1980 graduate of Washington State University, Mike Gallagher has 38 years of HVAC experience. After joining Carrier in 1980, he spent 14 years in commercial sales with Carrier in Northern California, Oklahoma, Texas and Southern California, the last four years in charge of commercial sales for Southern California. He has spent the last 24 years as a mechanical contractor. Work responsibilities have included service and retrofit work for existing buildings, as well as sharing in management responsibilities with his partners. During his career, he has spent time working in four major cities across the United States.

Mike's local chapter ASHRAE involvement has included Past President of the North East Oklahoma chapter, past member of the Board of Governors for the South Texas chapter; and for many years an active member of the Southern California Chapter. In the SoCal chapter he has served on the Board of Governors, as Research chair, and twice organized and taught a spring seminar in Psychrometrics. Mike has written a column every month in the Sol Air for over 12 years.



NEW MEETING

At the Society level Mike has served on two standing committees (the Standards Committee and the The Reseach & Technology Committee); TC (Technical Committee) 7.3 Operation and Maintenance Management; 1.6 Terminology; TC 9.1 Large Building Systems; chaired TC 9.12 Tall Buildings; and was co-author/editor (with 4 others) of ASHRAE Terminology of Heating, Ventilation, Air Conditioning & Refrigeration.

Mike has led several seminars on topics including applied psychrometrics, chiller plant design, hybrid (electric & gas driven) chiller plant design, optimized chiller plant operation, boiler system design and optimizing air-side design, to name a few.



LEADERSHIP RECALL

Bob Woods has served ASHRAE in southern California in many ways. After serving the Southern California and Orange Empire chapters for many years he now calls the Tri-County chapter his home chapter. Bob has been selling Boilers for over 20 years and is currently the District Sales Manager for Raypak, Inc.

The Tri-County chapter is glad to have Bob Woods as a member. Below is an interview from Jim Toda, Tri-County Historian and Bob Woods, which details his life and various ASHRAE activities.

Tri-County Historian: Tell us about your family

Bob: My family consists of my wife Molly, three adult children, and two Grandchildren.

Tri-County Historian : Tell us about your education

Bob: I got my undergraduate degree in Biology, in Maine. I have two Masters Degrees, one from Idaho State (Microbiology and Biochemistry) and one from University of Rhode Island (Doctorate Program).

Tri-County Historian : How did you start in the HVAC industry?

Bob: My first job in 1986 was selling valves, with Symmons Industries. I started selling boilers in 1995, with Elmco-Delaney. I have also worked at Dawson Company, R.F. MacDonald Co., and California Boiler.



LEADERSHIP RECALL

Tri-County Historian : How did you get started in ASHRAE, and when did you get more involved?

Bob: I became an ASHRAE member in 1995 at the suggestion of my employer at the time, Elmco Delaney. I served on the Southern California chapter Board of Governors from 1998-2005, and was their chapter President in 2003-04. I served on the Orange Empire chapter Board of Governors from 2009-2015, and was their chapter President in 2011-12.

Tri-County Historian : You are one of only two people who have served as Presidents for two Southern California ASHRAE chapters. Do you have an interest in becoming the only person to serve as President for all three Southern California chapters?

Bob: No, but you never know.

Tri-County Historian : What do you think is the most rewarding thing about your ASHRAE experience?

Bob: The most rewarding thing is how ASHRAE gives me acceptance in the industry. Being involved with ASHRAE really increased my profile. When meeting customers, most know I have served and continue to serve ASHRAE.



Cal Poly Pomona ASHRAE Student Branch

By Jim Toda, Tri-County Chapter's Student Activities Chair

Elyse Johnson from IMEG was the guest speaker at the Cal Poly Pomona ASHRAE Student Branch meeting, on March 1. Elyse is also the Tri County chapter of ASHRAE Treasurer.

Elyse did a great job talking to the students about getting a job, her typical job tasks, and ASHRAE. The students were very appreciative of Elyse's discussion. They also appreciated Elyse for taking the time to come and talk to them.

Some of the highlights of Elyse's discussion with the Student Branch members were:

Getting a job: Applying online for a job will not work. You must go and meet people. Elyse got hired by IMEG by first meeting them at the Cal Poly Pomona Job Fair. Also, the way to stand out is have experience with Trace, AutoCAD, and Revit.



Cal Poly Pomona ASHRAE Student Branch

By Jim Toda, Tri-County Chapter's Student Activities Chair

Typical job tasks: Each job typically requires the below tasks to complete. Sometimes tasks require meeting with the Architects, contractors, agencies, or vendors.

Work with Architects on occupancy, insulation, glass, equipment, and Title 24 standards

Select the HVAC equipment for the job

Model the equipment layout, then coordinate and layout duct work

Get agency approval (City, DSA for schools, or other)

Work with contractor to get the job built

Approve for construction

ASHRAE: ASHRAE gives you important networking opportunities. Your “Weak” connections are many times the connections that will lead you to a job!



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 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, Attention: Tricia Kuehl. TTG Engineers, 901 Via Piemonte, Suite 400, Ontario, CA 91764

2018 PARTIAL ROSTER



Officers

President	Ian Villazana Willdan Energy Solutions — 714-278-8325
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Secretary	Felix Monterroso Willdan Energy Solutions — 626.629.9658
Treasurer	Elyse Johnson IMEG Corp. —

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Shaw Gentry Goss Engineering, Inc. — 951-233-1827
Ryan Rodriguez Opterra Energy Services — 626.260.6623

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Student Activities	Jim Toda Custom Cooling Company — 909.599.9222
Research Promotion	Joe Sanders Dynamic Engineered Systems, Inc — 951-278-0282
Membership Promotion Co-Chair	Erick Delgado Air Conditioning Specialties Co. — 626.840.9001
Newsletter Editor	Richard Morrow Goss Engineering Inc. — 909.725.2737
Home Page Webmaster / Technology Transfer	Felix Monterroso 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	SUKHDEVMATHAUDHU	2014-2015	RYANRODRIGUEZ
1989-1990	SUKHDEVMATHAUDHU	2015-2016	SHAW GENTRY
1990-1991	JEFFLEONARD	2016-2017	CHRISROBLES
1991-1992	DELTHOMAS		
1992-1993	TONYPIERCE		
1993-1994	GREGMORIN		
1994-1995	TONYHENKEL		
1995-1996	JOHNHAVILAND		
1996-1997	JOELCARTER		
1997-1998	CHANDRACHINDE		
1998-1999	JIMTODA		
1999-2000	RICHARDMCLEOD		
2000-2001	KERRY PARKER		
2001-2002	DEBRACHAVIRA-SMITH		
2002-2003	LUCASHYMAN		
2003-2004	JOESANDERS		
2004-2005	BOBGASTEL		
2005-2006	ARTANDRES		
2006-2007	JIMPARKER		
2007-2008	KYLELANDIS		
2008-2009	RICKCREED		
2009-2010	ROBERTMORSE		
2010-2011	TIMHALD		
2011-2012	JAIMELOPEZ		
2012-2013	ERICKDELGADO		
2013-2014	NICOLASROSNER		

— 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.