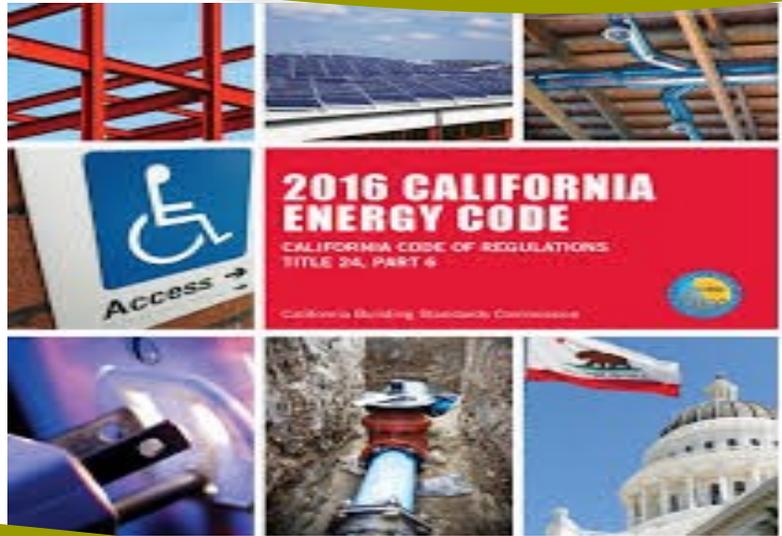


Tri-County SUPER HEAT ASHRAE

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

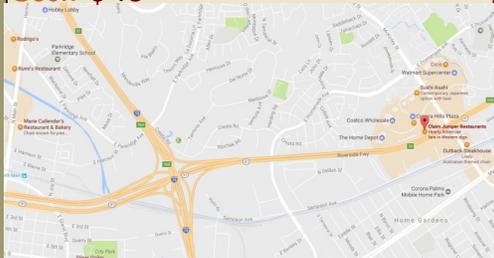
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MEETING INFORMATION

Date: February 21, 2017
Location: Claim Jumper
Address: Restaurant, Corona
Social Hour: 6:00-7:00 pm
Dinner/Presentation: 7:00-8:30 pm
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
 380 McKinley Street, Corona

ASHRAE'S CORE VALUES

As we get set to start our 2017 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 Tri-County ASHRAE season, please contact

Rich 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 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.

RICHMORROW

TCSH Editor



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Commissioning Manager

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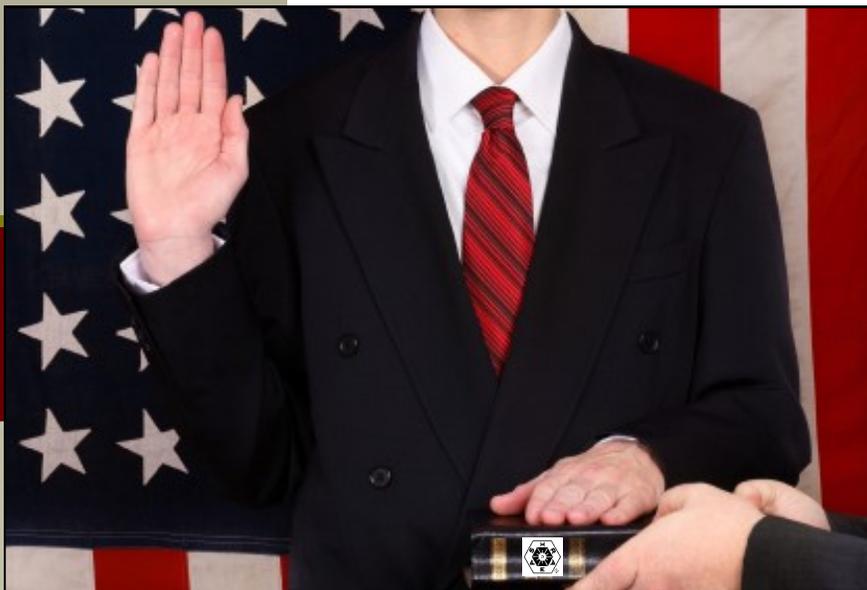
Office: (951) 255-2926
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ASHRAE Leaders!

Our Tri-County ASHRAE leaders for the 2017 season are the following:

- Chris Robles** / DMG / President
- Ian Villazana** / ACCO Engineered Systems / President Elect
- Kakeru Fujikawa** / Goss Engineering / Secretary
- Felix Monterroso** / Willdan Energy Solutions / Treasurer
- John Garcia** / RF MacDonald Company / Board Member
- Jaime Lopez** / The Gas Company / Board Member
- Shaw Gentry, PE, CEM** / Goss Engineering / Board Member



NEW MEETING

"Green Building Trends, Title 24 Progression to NetZero and Lessons Learned in Design Practice"

The ASHRAE Tri-County Chapter cordially invites you to attend our next meeting's "Green Building Trends, Title 24 Progression to NetZero and Lessons Learned in design Practice" hosted at Claim Jumper Restaurant in Corona, CA.

Andrew (Andy) Reilman is a Principal Engineer with Integral Group's Los Angeles Office, and has more than 15 years of sustainable consulting engineering experience. His expertise is in sustainable architecture and green buildings that include building designs for passive, low energy systems such as natural and mixed-mode ventilation, displacement ventilation, radiant heating and cooling, and building integrated renewable energy systems.

Some of Andy's notable high performance projects include the UCLA Pauley Pavilion (LEED Gold), UC Berkeley Student Community Center (LEED Gold), Long Beach Airport Terminals (LEED Certified Level), Soka University Performing Arts Center (LEED Gold), LAX Bradley International Terminal (LEED Silver) and Jefferson Creative Offices Re-Use (LEED CS).

Andy, who has an BSME from University of California, Davis, is a licensed professional engineer. Additionally, he is a certified ASHRAE High Performance Building Design Professional. Andy is a previous ASHRAE SoCal Chapter President and is active in USGBC-LA.



LAST MEETING

"DX Piping Design for Constructability"

Dave Abuza is a Senior Design Engineer at ACCO Engineered Systems. He has six years of experience in commercial HVAC design and construction, and has been the Mechanical Engineer of Record for over three dozen projects. Dave's experience with DX systems also includes work at Trane doing new product design for residential split systems. Dave graduated with honors from Cal Poly SLO in 2011 with an MS in Mechanical Engineering and a BS in Mechanical Engineering with a concentration in HVAC&R. Dave is a registered professional engineer in California, a LEED Accredited Professional, and has been an ASHRAE member since 2009.

DX Piping Design for Constructability discussed the physics of refrigerant flow and how that influences the sizing and routing of pipe for conventional split and mini-split air conditioners. The seminar emphasized constructability, with lessons learned on how designs influence efficiency, cost-effectiveness, and reliability.



STUDENT CHAPTER

In January, the Tri-County Chapter donated money to the Cal Poly Student Chapter so that they may purchase the ASHRAE Standards for their ASHRAE Student Design Competition. The picture below shows our current Tri-County President, Chris Robles and the Representative for the Cal Poly Student Chapter.

We wish the Cal Poly Student Chapter, good luck on their ASHRAE Student Design Competition !!”



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

2017 PARTIAL ROSTER

Officers

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President-Elect	Ian Villazana ACCO Engineered Systems — 714-278-8325
Treasurer	Felix Monterroso Willdan Energy Solutions — 626.629.9658
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Home Page Webmaster / Technology Transfer	Rich Morrow Goss Engineering Inc. — 909.725.2737

Tri-County

SUPER HEAT

CELEBRATING

PLUS

28 YEARS

1989-2017

TRI-COUNTY ASHRAE!

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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	JAIME LOPEZ		
2012-2013	ERICK DELGADO		
2013-2014	NICOLAS ROSNER		
2014-2015	RYAN RODRIGUEZ		

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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.