

Tri-County SUPER HEAT ASHRAE

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

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MEETING INFORMATION

Date: April 19, 2016
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 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 the end of 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 2016-2017
Tri-County ASHRAE season,
please contact

Felix Monterroso 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 2016-2017 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.*

FELIX MONTERROSO

TCSH Editor

 **Farnsworth**
GROUP

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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 19, 2016.

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 and officers will be updating members on the Student Branch’s performance for this school year.

In addition, there will be a panel discussion on “Engineering profession,” where students will be able to learn and ask questions to our volunteer engineers about their different roles within the HVAC field.

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.



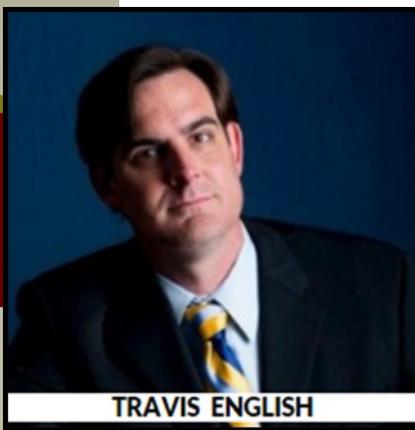
LAST MEETING

“Radical Energy Reduction: Ventilation Standards Reform”

On March 15th, The ASHRAE Tri-County Chapter welcomed guest speaker Travis English (aPE, CEM, LEED-AP) who is the 'chief design engineer' and Facilities Planning & Design Director of Engineering for Kaiser Permanente (KP), headquartered in Oakland, CA. Travis is a PE, with his BS in Mechanical Engineering and an MBA in management. He has 20 years of experience in design and construction.

Travis talked about how key ventilation standards adopted by ASHRAE, FGI, the Joint Commission, CMS and others drive about 60 percent of typical hospital energy use. His presentation focused on the effort to reduce code required airflows to spaces where they don't affect patient outcomes and safety. According to Travis this idea is the single largest opportunity for energy conservation and savings in future building design. Travis also talked about the “Myths and Facts” of ventilation technologies and techniques and the origins of the two air changes per hour criteria.

It was a great night for learning and networking!



TRAVIS ENGLISH



ASHRAE DESIGN TRAINING

ASHRAE's HVAC Design Training

HVAC Design: Level I—Essentials

ASHRAE's *HVAC Design: Level I—Essentials* provides intensive, practical training for HVAC designers and others involved in the delivery of HVAC services. In three days, gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use.

- Fundamentals
- Heating/Cooling Load Calculation
- System Selections
- HVAC System and Components
- Cooling System
- Basic Design of Hydronic Systems
- Basic Design of Air Systems
- Control/BAS

HVAC Design: Level I—Essentials

When: May 23-25, 2016 | San Francisco, CA
Cost: \$1,264 (ASHRAE Member: \$1,009)

Company Discount: Enroll 3 or more participants from the same company at the same time and SAVE!

REGISTER



BONUS!

Get a FREE copy of *Standard 189.1-2014* and *User's Manual*.

A \$200 Value!



Register for BOTH training sessions to save money and fast track your experience level!

HVAC Design: Level II—Applications

ASHRAE's *HVAC Design: Level II—Applications* provides instruction on HVAC system designs for experienced HVAC designers and those who complete the HVAC Design: Level I—Essentials training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems, energy modeling, designing a chiller plant, and BAS controls.

- Sustainability / Green/LEED / HPB / NZEB
- Standard 55
- Standard 62.1
- Building Systems: Education Facility
- System Applications: Chiller/Boiler, Air Handlers, VAV Terminals
- Life Cycle Cost
- Building Systems: Multi-story Office Building
- Water-to-Water GSHP Option 1 Chilled Beam with DOAS
- Water-to-Water GSHP Option 2 UFAD

HVAC Design: Level II—Applications

When: May 26-27, 2016 | San Francisco, CA
Cost: \$854 (ASHRAE Member: \$699)

Company Discount: Enroll 3 or more participants from the same company at the same time and SAVE!

REGISTER



BONUS!

Get a FREE copy of *ASHRAE GreenGuide: Design, Construction, and Operation of Sustainable Buildings, 4th. ed.*

A \$100 Value!

YOUR INSTRUCTORS



Joel Primeau, P.Eng., ASHRAE Member, HBDP, LEED®AP
[view bio →](#)



Donald L. Brandt, ASHRAE Member
[view bio →](#)

PRICELESS PICS



Tri-County ASHRAE members enjoyed of a very informative meeting with Travis English, chief design engineer for Kaiser Permanente in Oakland, CA. It was another great night for learning and networking. A special thanks to all those who attended this meeting.

Photos courtesy of Felix Monterroso.

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

2015-2016 PARTIAL ROSTER

Officers

President	Shaw Gentry Goss Engineering, Inc. — 951-233-1827
President-Elect	Chris Robles DMG — 562-692-1277
Treasurer	Kakeru Fujikawa Goss Engineering, Inc. — 714.310.8126
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	Jaime Lopez Southern California Gas — 951-533-1121
CTTC	Adam Stadnik Southern California Edison — 909-261-7632

Committee Chairs

Membership Promotion	Ryan Rodriguez Willdan Energy Solutions — 626-260-6623
Historian	Jim Toda Custom Cooling Company — 909.599.9222
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	Felix Monterroso Willdan Energy Solutions — 626.629.9658
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
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.

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	CHANDRACHINDE
	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	
2014-2015	RYAN RODRIGUEZ	