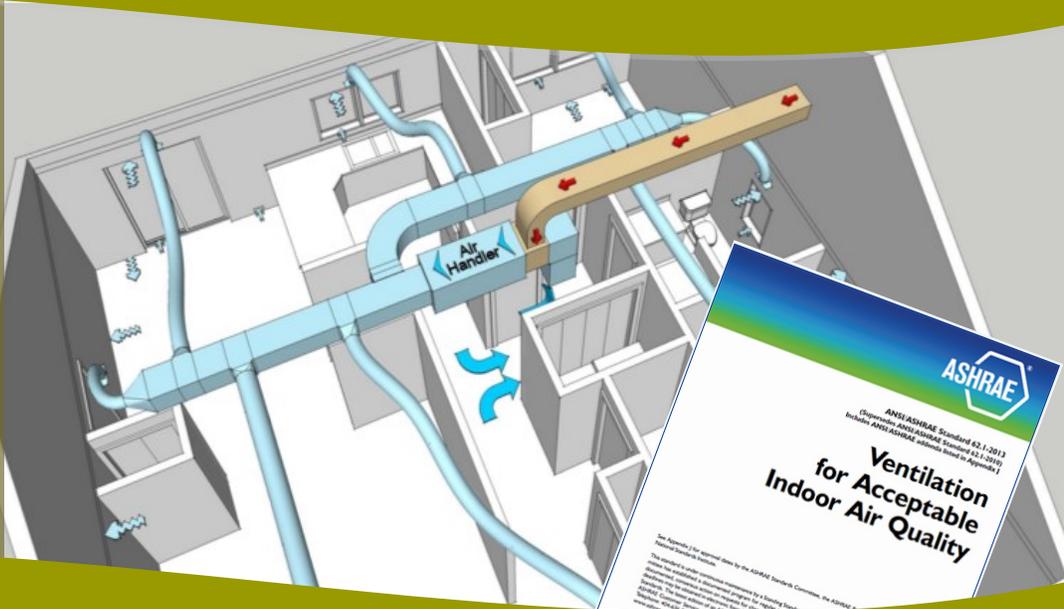


Tri-County SUPER HEAT ASHRAE

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

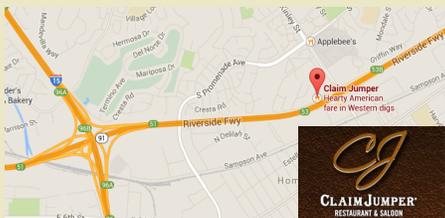
IN THIS ISSUE...

ASHRAE's Core Values	1
Call for Business Cards	2
Meeting Preview	3
"Radical Energy Reductions: Ventilation Standards Reform"	
Last Meeting	4
ASHRAE Design Training	5
Priceless Pictures	6
Job Opportunities	7
Partial Roster	8



MEETING INFORMATION

Date: March 15, 2016
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 ashaetrickcounty@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 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 2015-2016
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 2015-2016 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



Quoc T. Pham PE, CEM, CxA
Commissioning Manager

office 909.480.4230
cell 909.240.9437
qpham@f-w.com

“Radical Energy Reduction Ventilation Standards Reform ”

The ASHRAE Tri-County Chapter cordially invites you to attend our next meeting to take place on March 15th, 2016 at Claim Jumper Restaurant in Corona, California.

Our speaker will be 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.

Key ventilation standards adopted by ASHRAE, FGI, the Joint Commission, CMS and others drive 60 percent to percent of typical hospital energy use. The single largest opportunity for energy conservation and savings in future building design is reducing code-required airflows to spaces where they don't affect patient outcomes and safety. For this meeting Travis will talk about all the big opportunities in existing buildings, what Kaiser Permanente learned from three years of deep research into the standards' origins and requirements, how you can stay on top of, and help advance proposed alternative standards that could improve air change rates, temperature, humidity, and natural ventilation, and how you can prepare for the changes in ways that will deliver big savings in energy costs and greenhouse gases for years to come.



TRAVIS ENGLISH



LAST MEETING

“Ventilation: The Once and Future King”

On February 16th, The ASHRAE Tri-County Chapter welcomed ASHRAE Distinguished Lecturer Dr. Max Sherman, who is a Staff Senior Scientist at the Lawrence Berkeley National Laboratory and is a senior advisor on residential matters. His research career spans over 35 years and 200 publications, most of which focus on buildings, energy efficiency, IAQ and HVAC. His most recognized research areas also include ventilation, thermal distribution systems, infiltration, IAQ and envelope-dominated buildings. Dr. Sherman gives technical lectures frequently and has appeared in the popular media on issues of energy, ventilation and duct tape.

In “Ventilation: The Once and Future.” Dr. Sherman talked about the historical perspective of ventilation, including the reasons for ventilation then and now, the methods of ventilation then and now, and the amounts of ventilation then and now. In our modern society outdoor air can contain a variety of contaminants that we do not want in our buildings and this talk discussed some reasons for not wanting to ventilate.

It was a great night for learning and networking!



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

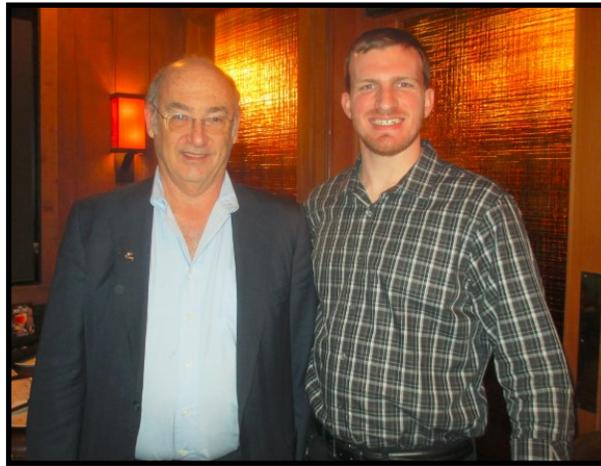


Joel Primeau, P.Eng., ASHRAE Member, HBDP, LEED® AP [view bio](#) →



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

PRICELESS PICS



Tri-County ASHRAE members enjoyed of a very informative meeting with Distinguished Lecturer Dr. Max Sherman. It was another great night for learning and networking. The ASHRAE Tri-County chapter also donated a check to buy a grill for fundraising events to the CalPoly student chapter. Finally, pictures below are from our Sporting Clays event that took place in February. We will keep you posted for new event!

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
Secretary	Ian Villazana Willdan Energy Solutions — 714-278-8325
Board of Governors	
	John Garcia RF MacDonald Company — 714-412-1534
	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 DMG — 951-310-3235
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	1988-1989	SUKHDEV MATHAUDHU
A	1989-1990	SUKHDEV MATHAUDHU
S	1990-1991	JEFF LEONARD
T	1991-1992	DEL THOMAS
R	1992-1993	TONY PIERCE
E	1993-1994	GREG MORIN
S	1994-1995	TONY HENKEL
I	1995-1996	JOHN HAVILAND
D	1996-1997	JOEL CARTER
E	1997-1998	CHANDRA CHINDE
S	1998-1999	JIM TODA
I	1999-2000	RICHARD MCLEOD
D	2000-2001	KERRY PARKER
S	2001-2002	DEBRA CHAVIRA-SMITH
T	2002-2003	LUCAS HYMAN
P	2003-2004	JOE SANDERS
R	2004-2005	BOB GASTEL
E	2005-2006	ART ANDRES
S	2006-2007	JIM PARKER
I	2007-2008	KYLE LANDIS
D	2008-2009	RICK CREED
S	2009-2010	ROBERT MORSE
T	2010-2011	TIM HALD
P	2011-2012	JAIMEL LOPEZ
R	2012-2013	ERICK DELGADO
E	2013-2014	NICOLAS ROSNER
S	2014-2015	RYAN RODRIGUEZ