

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 'Water Conservation'	3
Last month's Meeting	4
Job Opportunities	5
Partial Roster	6



MEETING INFORMATION

Date: October 21, 2014

Location: Coco Palm
Restaurant, 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. Coco Palm Restaurant is located on Restaurant Drive off of Fairplex Drive, just north of the 10 Freeway. Please e-mail Adam at adam.stadnik@gmail.com to reserve your spot for the upcoming meeting.

Coco Palm Restaurant
1600 Fairplex Drive
Pomona, CA 91768

ASHRAE'S CORE VALUES

As we get set to kick off our 2014-2015 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 2014-2015 Tri-County ASHRAE season, please contact Felix Monterroso via e-mail at... fmonterroso@willdan.com

**THANK YOU FOR YOUR
SUPPORT!!!**

Looking for a unique marketing opportunity?

We 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 2014-2015 Tri-County ASHRAE season!

*Now that you're interested, send a *.jpg version of your business card to Felix Monterroso at fmonterroso@willdan.com while sending a check for \$50 made out to Tri-County ASHRAE.*

Felix will let you know where to send the check when you send your business card file to him at his e-mail address.

FELIX MONTERROSO

TCSH Editor

NEXT MEETING

Optimizing Water Conservation:

The Tri-County Chapter cordially invites you to attend the “Cooling Water Conservation” presentation this coming Tuesday October 21, 2014.

Our guest speaker, Chemical Engineer Christopher J. Bellizzi from Economic Alternatives Inc. (eai) will present the primary steps in determining which cooling treatment strategy will optimize water conservation at your facility.

With 20 years in the industry of water treatment and conservation, Engineer Bellizzi has worked for the State of California, Kaiser Permanente, and UC/CSU to validate alternative water strategies.

He has been awarded the status of preferred service provider for Southern California by a global cooling tower manufacturer.

So don't miss out on this presentation which is of enormous importance to Californians as we face the drought.



Controls and Building Management Systems:

Where is Our Industry Heading?

This questions was answered at our September meeting by Dan Bailey and Franz Gorges, Executive Vice President and Energy Efficiency Program Manager respectively, of Diversified Thermal Services, Inc. Combined, Dan and Franz have a whopping 50 years of experience in the HVAC and controls industry.

Dan and Franz began their presentation by providing an overview of the various components of controls systems and how they've evolved over time. They then went on to explain the options that exist today and how the development of open source software, i.e. the BACnet standard, has opened the doors for integration of various controls across various systems. They highlighted that having the proper controls is essential to operating your equipment effectively, but the biggest bang for your buck comes from how you control your equipment.

This led to a discussion regarding efficient control strategies that should be considered for each project, including reset strategies, variable frequency drives (VFDs) and proper staging of equipment.

Their presentation was concluded with a demonstration of one of the latest intuitive software programs for building management systems known as FIN Stack which allows tagging, representation of multiple trends within a single graph and simplified device modeling with dynamic graphics.



Dan Bailey
Executive VP
Diversified Thermal Services, Inc.



Franz Gorges
Energy Efficiency Program Manager
Diversified Thermal Services, Inc.

JOB OPPORTUNITIES



kW Engineering, Inc. is seeking talented ENGINEERS in Long Beach!

Are you passionate about saving energy in buildings? Are you driven by the potential lower energy use through smart application of technology and controls? Then we should talk.

kW Engineering is just such a community. Our firm is built upon a foundation of integrity - the reason behind our solid reputation among clients and peers in the industry.

We are looking for talented Engineers for our office in Long Beach who will have these qualities:

- *Technical Skills - someone with solid understanding of engineering principles and advanced analytical skills expected of bachelor level engineering degree or above.*
- *Understanding of major building HVAC equipment/lighting/controls technologies with a specialty in at least one area.*
- *Customer service - someone who can interact professionally with clients and on-site staff*
- *Self-Direction - someone who can manage his/her own time and aid others to ensure timeliness and time allocation budgets are met. Someone who can perform QC on standardized analysis.*
- *Shares our core values: Integrity, Judgment, Community, Communication, Creativity, Impact, Curiosity, Passion*

*Please forward your resume, cover letter and salary requirements for immediate consideration.
adranly@kw-engineering.com
Rula Adranly | HR Consultant | kW Engineering | 510-834-6420*



Goss Engineering is looking for a license Mechanical Engineer with HVAC design experience.

GEI is seeking a licensed Mechanical Engineer who will assist on MEP study and design projects, from conceptual design through construction administration. The ideal Mechanical Engineer should have experience performing engineering calculations for airside and waterside projects.

The ideal candidate will:

- *Be a licensed professional engineer (PE) in mechanical engineering*
- *Have, at a minimum, a Bachelor's Degree in Mechanical Engineering*
- *Have, at a minimum, 5 years of project experience in mechanical design*
- *Be proficient with HVAC calculation software, including TRACE 700 and EnergyPro*
- *Be proficient with Microsoft Office Suite*
- *Be proficient with AutoCAD*
- *Have experience preparing bid documents*
- *Have a working knowledge of California codes, including CMC, CBC, and Title 24*
- *Be familiar with HVAC industry standards, including ASHRAE and SMACNA*
- *Be detailed-oriented, with an eye for superior Quality Control / Quality Assurance*
- *Have superb communication skills*

**Contact:
Human Resources
jobs@gossengineering.com**

2014-2015 PARTIAL ROSTER

Officers

President	Ryan Rodriguez Willdan Energy Solutions — 626-260-6623
President-Elect	Shaw Gentry Goss Engineering, Inc. — 951-233-1827
Treasurer	Ian Villazana Willdan Energy Solutions — 714-278-8325
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Newsletter Editors	Adam Stadnik SCE Business Solutions — 909-261-7632
	Felix Monterroso Willdan Energy Solutions — 626.629.9658
Membership Promotion	Erick Delgado Air Conditioning Specialties Co. —



Everyone in Tri-County is responsible for building a better tomorrow!

Tri-County SUPER HEAT

1864 Blenheim Street
Riverside, California 92507

**CELEBRATING
PLUS
25 YEARS
1989-2014
TRI-COUNTY ASHRAE!**

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
E	2001-2002	DEBRA CHAVIRA-SMITH
S	2002-2003	LUCAS HYMAN
T	2003-2004	JOE SANDERS
P	2004-2005	BOB GASTEL
R	2005-2006	ART ANDRES
E	2006-2007	JIM PARKER
S	2007-2008	KYLE LANDIS
I	2008-2009	RICK CREED
D	2009-2010	ROBERT MORSE
E	2010-2011	TIM HALD
S	2011-2012	JAIMEL LOPEZ
T	2012-2013	ERICK DELGADO
R	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.