

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
'Ventilation Control'	
Last month's Meeting	4
Priceless Pictures	5
Job Opportunities	6
HVAC Design Training	7
Partial Roster	8



MEETING INFORMATION

Date: January 20, 2015

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'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 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

J. D. Sales Co.
ENGINEERED PRODUCTS

MAHENDRA MISTRY
3547 VOYAGER STREET, #103
TORRANCE, CA 90503
(310) 214-5155
FAX: (310) 214-5151
E-MAIL: Mahendra@jdsalesco.com
Web Site: www.JDSalesco.com

- NUTECH Valves
- NUTECH Piping Packages
- ROVANCO Pre-insulated Pipe
- VORTISAND Sand Filters
- RHINOFLEX Pre-insulated Pipe
- FLOWCON "P1" Valves
- KEFLEX Flex Connectors
- DUO AIRE Hoods
- AMERICAN Marsh Pumps
- DURAFLEX Hoses
- AMMARK Thermostatic Valves
- HYDRO-FLOW Flowmeters
- UNISOURCE Hoses
- DELTA Cooling Towers
- VOGT ICE Test Systems
- SUPER RADIATOR CHW HHW DX Coils

DAWSON CO.
YOUR FLUID TECHNOLOGY RESOURCE
IN BUSINESS SINCE 1948
WWW.DAWSONCO.COM

DAVID HERNANDEZ, P.E. TEL: 626-797-9710
VICE PRESIDENT CELL: 626-429-9306
BUSINESS FAX: 626-798-4659
EMAIL: DHERNANDEZ@DAWSONCO.COM

DEVELOPMENT 1681 W. SECOND ST.
GROUP POMONA, CA 91766

NEXT MEETING

"Smart Laboratory Ventilation Control"

The Tri-County Chapter cordially invites you to attend the "Smart Laboratory Ventilation Control" presentation this coming Tuesday January 20, 2015.

Our guest speaker, Roman I. Zaretsky, from Zaretsky Engineering Solutions will present on how smart ventilation controls provide energy efficient solutions for critical environments including laboratories, vivariums, clean rooms, and healthcare facilities.

With over 40 years of diverse engineering and construction experience in the United States and abroad, including HVAC systems design, installation, construction management, commissioning of environmental systems, and ventilation controls; founder and CEO of Zaretsky Engineering Solutions will educate the Tri-County members attending this presentation by:

- Defining the concept of Smart Laboratories***
- Describing Laboratory Ventilation Key Issues***
- Showing the impact it has in energy savings***
- Presenting the different Fume Extraction Devices available***
- And providing a case study***

So don't miss out on this presentation, which will help you answer critical questions about the main objectives of Lab Airflow Controls, its Energy/Sustainability functions and Demand Control Ventilation.



ZARETSKY
ENGINEERING SOLUTIONS
DBA ZARETSKY BUILDING SOLUTIONS

Energy Storage:

How can we control electric utility costs with Intelligent Energy Storage?

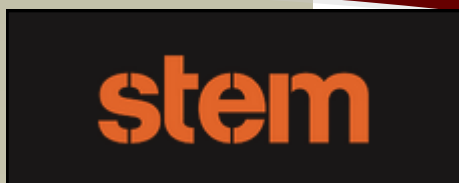
With the intent of educating ASHRAE members on how to develop energy conservation strategies to control peak demand energy usage, the Tri-County Chapter welcomed guest speakers Scott Schumacher and Conner Mulrooney from smart storage leader Stem at our November meeting.

Scott and Conner began the presentation by explaining how electric bills are broken down and why consumers are charged at specific rates for peak demand consumption. Then, they described the three primary components of the intelligent energy storage technology and talked about its impact on peak demand reduction. They explained how on-site energy storage provides a unique opportunity to optimize the load profile without changing the operation of the building/facility. This technology reduces peak demand by discharging energy during times of peak onsite demand, usually between 12:00 p.m. and 3:00 p.m.

Their presentation was concluded with mention of some case studies which generated kW savings in payback periods of between 2-4 years.

Scott Schumacher
Enterprise Account Executive
scott.schumacher@stem.com
949.975.9530

Conner Mulrooney
Account Executive
conner.mulrooney@stem.com
209.598.6353



PRICELESS PICS



Last month, Tri-County welcomed guests speakers **Scott Schumacher and Conner Mulrooney** who presented on intelligent energy storage strategies to reduce peak demand consumption. The presentation was informative and of great importance for the energy efficient oriented ASHRAE Tri-County members. It was another great night of learning and networking!

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**

HVAC DESIGN TRAINING



Los Angeles, February 9 - 13, 2015

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, installing 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 II—Applications

ASHRAE's *HVAC Design: Level II — Applications* provides advanced 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

Registration Fees

(Register 30 days prior to training date, for Early Bird pricing)

Level I - Essentials	Mbr	Non-Mbr	Group 3+
Early Bird	\$939	\$1,189	
Standard	\$989	\$1,239	\$889
Level 2 - Applications	Mbr	Non-Mbr	Group 3+
Early Bird	\$629	\$779	
Standard	\$679	\$829	\$579
Combo - Level I and Level 2	Mbr	Non-Mbr	Group 3+
Early Bird	\$1,469	\$1,869	
Standard	\$1,519	\$1,919	\$1419

To Register visit:

<https://www.ashrae.org/education--certification/hvac-design-training/los-angeles-hvac-design-training-february-2015>

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
Secretary	Chris Robles DMG — 562-692-1277

Board of Governors

John Garcia RF MacDonald Company — 714-412-1534
Jaime Lopez Southern California Gas — 951-533-1121
Adam Stadnik Southern California Edison — 909-261-7632

Committee Chairs

Historian	Jim Toda Custom Cooling Company — 909.599.9222
Resource Promotion	Joe Sanders DMG — 951-310-3235
Student Activities	Mike Lo Southern California Edison — 626.633.3035
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. — 626-840-9001
Home Page Webmaster / Technology Transfer	Kakeru Fujikawa Goss Engineering, Inc. — 714.310.8126



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

1989-2015

TRI-COUNTY ASHRAE!

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	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	JAIMELOPEZ
2012-2013	ERICK DELGADO
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.