

Tri-County

SUPER HEAT ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers

IN THIS ISSUE...

Upcoming Meeting	1
Past Meeting-Installations	2
Past Meeting-Memories	3
Marketing Opportunity	4
Business Card Ads	5
Advertisement	6
Student Activities Report	7
Leadership	8
Partial Roster	9



MEETING INFORMATION

Date:	September 20, 2022
Location:	Claim Jumper 12499 Foothill Blvd Rancho Cucamonga, CA 91739 (909) 899-8022
Time:	6:30 PM
Member Cost:	\$45.00
Non-Member Cost:	\$55.00

The September meeting will also be our History Night meeting. If you have any cool historical Tri County memory, please contact us via e-mail at

ashraetricounty@gmail.com

UPCOMING MEETING

HEAT EXCHANGERS

RJ Santiago from Dawson Company will be presenting on heat exchangers, the basics of heat transfer theory, and heat exchanger design. Attendees of this presentation will learn heat transfer terminology and formulas, and how to balance specifying the operating conditions versus initial size of the heat exchanger. During the presentation RJ will:

- § Discuss heat transfer terms
- § Show calculation of heat load
- § Show how changes in parameters impact size and cost
- § Explore advantages & disadvantages of different types of heat exchangers.

RJ Santiago is part of Dawson Company's Business Development Group assisting mechanical and plumbing engineers with their hydronic needs. RJ graduated from California State University, Fullerton with a B.S. degree in Mechanical Engineering, with certifications on Certified Plumbing Design (CPD). He began his career as a designer for an engineering firm. In less than two years, he advanced to the level of Project Manager where he led a group of top engineers working on local and international projects in which he learned to satisfy peculiar requirements by various clients.

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.



** Manny Perez swears in Walter Escamilla (left), Kendal Smith (center), and Abhi Sah (right), and Jhonattan Sebastian (below)*



** Board Members Felix Monterosso, Kakeru Fujikawa, & Manny Perez (above right)*

** New Tri County Officers with Manny Perez (below right)*



GOOD TIMES AT LAST MEETING



Our Heroes

Walter Escamilla presenting the Gavel Plaque to Past President Manny Perez, for a job well done (above left)!



New President Elect Kendal Smith with wife Jo (left), James Mansfield with fiancé Brooklyn (center), and Robert Woods (right)

MARKETING OPPORTUNITY

PLEASE SUPPORT OUR BUSINESS CARD/PAGE AD 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/page ad in Super Heat for the 2022-2023 Tri-County ASHRAE season, please contact us 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 MONTHLY PUBLICATION for the 2022-2023 Tri-County ASHRAE season!

And for only \$300 you can advertise your business with a FULL page ad ! (\$150 half page Ad)

Now that you're interested, send a *.jpg version of your business card and/or page ad to: ashraetricounty@gmail.com and we will send you a link to pay for the corresponding fees.

TCSH Editor

BUSINESS CARDS



CDI
CUSTOM CURB ADAPTERS

Manny Perez
regional sales rep

562 301-4589 cell
mperez@cdicurbs.com




Maliha Williamson
Senior Sales Engineer
951.768.9885

4000 Hamner Avenue
Eastvale, CA 91752
USA

maliha.williamson@heatcraftrpd.com
heatcraftrpd.com



CUSTOM COOLING COMPANY, INC.

JIM TODA
Sales Engineer

425 W. BONITA AVENUE #106 • SAN DIMAS, CA 91773
Phone (909) 599-9222 FAX (909) 599-4418

E-MAIL: info@cccrops.com
WEB SITE: www.cccrops.com

MFGS. REPRESENTED

AMERICAN COOLAIR/ILG..... AXIAL & CENTRIFUGAL FANS
CHICAGO BLOWER..... APPLIED CENTRIFUGAL & AXIAL FANS
TEXEL..... CORROSION RESISTANT FRP FANS
COLMAC COIL MFG..... COILS & DRY COOLERS
MAGIC-AIRE..... FAN COIL UNITS
ENERTECH..... WATER SOURCE HEAT PUMPS
THERMAL CORP..... CUSTOM AIR HANDLERS & FAN COILS
KLEAN AIRE..... FILTER HOUSINGS & FILTERED SUPPLY FANS

ADDITIONAL PRODUCTS

Sound Traps - Gravity Vents - Louvers - Dampers

Advertise Now!



LEARN THE LATEST TECHNOLOGIES IN THE HVAC/R INDUSTRY

Our Energy Education Centers offer online and hands-on courses to help you maximize your customer's HVAC/R system performance.

Sign up to take a class with us at sce.com/classes



By Kevin Le (Student Activities Chair)

On the morning of August 1st, 2022 we were informed our Cal Poly Pomona ASHRAE Design Competition entry had placed third in the ASHRAE Design Competition Design Calculations category. Mustafa, Sean, and I were filled with surprise and relief. We were surprised because we believed that we provided an unrefined report to ASHRAE. It was a time crunch because we had to submit our report during the first week of May, which was prior to the University's senior project deadline. Although we worked on the project all school year long, the scope of the project was too large for us to be detailed in all aspects. We were essentially tasked to design an entire VAV AHU system for a 250,000 square foot higher education building from scratch. This required immense research and networking. Our gaps in knowledge were filled by various industry professionals, which mentored us on design principles that were implemented in the real world.

Our team continuously met on a weekly basis and there were weeks where we collectively spent more than 40 hours working on the project. We worked relentlessly because most of us were pursuing an HVAC career and wanted to end our undergraduate career on a high note. With such amount of effort dedicated to this report, it was relieving to find out that we placed 3rd internationally. We were glad to see that the judges were holistic and saw innovation in our design. Historically the Cal Poly Pomona ASHRAE Student Branch has competed in the Systems Selection category and placed against top universities. We're proud to demonstrate that our engineering department is multi-faceted with the ability to excel in other categories.

With our placement, we have been invited to attend the 2023 ASHRAE Winter Conference in Atlanta, Georgia. Mustafa, Sean, and I will be traveling to Atlanta in February to collect our award at the ASHRAE Plenary. We are thankful to everyone (see below) who helped us along the way.

Professor Anderson – Faculty Advisor

Michael Franzen – Franzen Consulting

James Lafond – P2S Inc.

Amanda Khury – P2S Inc.

Nelson Echeverry – Donald F. Dickerson Associates

Eric Margosian – Syska Hennessy Group

Peter Micu – ACCO Engineered Systems

Adam Link – ACCO Engineered Systems

Bob Woods – Air Treatment Corporation

Narinder Kumar – JMD Equipment Sales

Armondo Avila – Peabody Engineering

Our ASHRAE Tri-County leaders for the 2022-2023 season!

OFFICERS

President: Walter Escamilla / Goss Engineering Inc.

President Elect: Kendal Smith / Dawson Co.

Secretary: Abhimanyu Sah / Willdan Energy Solutions

Treasurer: Jhonattan Sebastian / Willdan Energy Solutions

BOARD OF GOVERNORS

Past President: Manny Perez / CDI Curbs

Board Member: Felix Monterroso / Willdan Energy Solutions

Board Member: Kakeru Fujikawa / Goss Engineering Inc.

I pledge allegiance



2022-2023 PARTIAL ROSTER



Officers

President	Walter Escamilla Goss Engineering, Inc. — 951-340-1977
President-Elect	Kendal Smith Dawson Co. — 626-429-9312
Secretary	Abhimanyu Sah Willdan Energy Solutions — 662-360-6008
Treasurer	Jhonattan Sebastian Willdan Energy Solutions — 323-684-6741

Board of Governors

Manny Perez CDI Curbs — 562-301-4589
Kakeru Fujikawa Goss Engineering, Inc. — 714-310-8126
Felix Monterroso Willdan Energy Solutions — 626-629-9658

Committee Chairs

Chapter Technology Transfer	Kakeru Fujikawa Goss Engineering, Inc. — 714-310-8126
Student Activities	Kevin Le ACCO Engineered Systems - 626-586-2481
Research Promotion	Jim Toda Custom Cooling Company — 909-599-9222
Membership Promotion	Manny Perez CDI Curbs — 562-301-4589
Young Engineers in ASHRAE (YEA)	Felix Monterroso Willdan Energy Solutions — 626-629-9658
Newsletter Editor	Jim Toda Custom Cooling Company — 909-599-9222



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

Tri-County SUPER HEAT

CELEBRATING
YEARS

34 1989-2023

TRI-COUNTY ASHRAE!

P A S T P R E S I D E N T S

1988-1989	SUKHDEVMATHAUDHU	2014-2015	RYANRODRIGUEZ
1989-1990	SUKHDEVMATHAUDHU	2015-2016	SHAW GENTRY
1990-1991	JEFFLEONARD	2016-2017	CHRISROBLES
1991-1992	DELTHOMAS	2017-2018	IANVILLAZANA
1992-1993	TONYPIERCE	2018-2019	KAKERUFUJIKAWA
1993-1994	GREGMORIN	2019-2020	FELIXMONTERROSO
1994-1995	TONYHENKEL	2020-2021	MICHAELFRANZEN
1995-1996	JOHNHAVILAND	2021-2022	MANNYPEREZ
1996-1997	JOELCARTER		
1997-1998	CHANDRACHINDE		
1998-1999	JIMTODA		
1999-2000	RICHARDMCLEOD		
2000-2001	KERRYPARKER		
2001-2002	DEBRACHAVIRA-SMITH		
2002-2003	LUCASHYMAN		
2003-2004	JOESANDERS		
2004-2005	BOBGASTEL		
2005-2006	ARTANDRES		
2006-2007	JIMPARKER		
2007-2008	KYLELANDIS		
2008-2009	RICKCREED		
2009-2010	ROBERTMORSE		
2010-2011	TIMHALD		
2011-2012	JAIMELOPEZ		
2012-2013	ERICKDELGADO		
2013-2014	NICOLASROSNER		

— 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 more than 50,000 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.