

# Tri-County SUPER HEAT ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers

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## MEETING INFORMATION

**Date:** January 28, 2020  
**Location:** The Phoenix Club  
 Anaheim, CA  
**Time:** 5:30 -8:30 PM  
**Member Cost:** \$45  
**Non-Member Cost:** \$50



We look forward to seeing you again at our next meeting. Our next meeting will be held at The Phoenix Club located at 1340 S Sanderson Ave, Anaheim, CA. Please e-mail Felix Monterroso at ashraetricounty@gmail.com to reserve your spot for the upcoming meeting.

The Phoenix Club: 1340 S Sanderson Ave, Anaheim, CA 92806

## ASHRAE'S CORE VALUES

As we proceed through our 2019-2020 Tri-County ASHRAE season, let's continue to keep ASHRAE's core values in mind...

### **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 2019-2020 Tri  
-County ASHRAE season,  
please contact

Felix Monterroso via e-mail  
at...

[ashraetricounty@gmail.com](mailto: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 2019-2020 Tri-County ASHRAE season!*

*Now that you're interested, send a \*.jpg version of  
your business card to [ashraetricounty@gmail.com](mailto:ashraetricounty@gmail.com)  
while sending a check (or cc payment) for \$50  
made out to Tri-County ASHRAE.*

*We will let you know where to send the check or  
how to pay via cc when you send your business  
card file to us at the above e-mail address.*

**Felix Monterroso**

TCSH Editor

# BUSINESSES CARDS



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Sales Engineer

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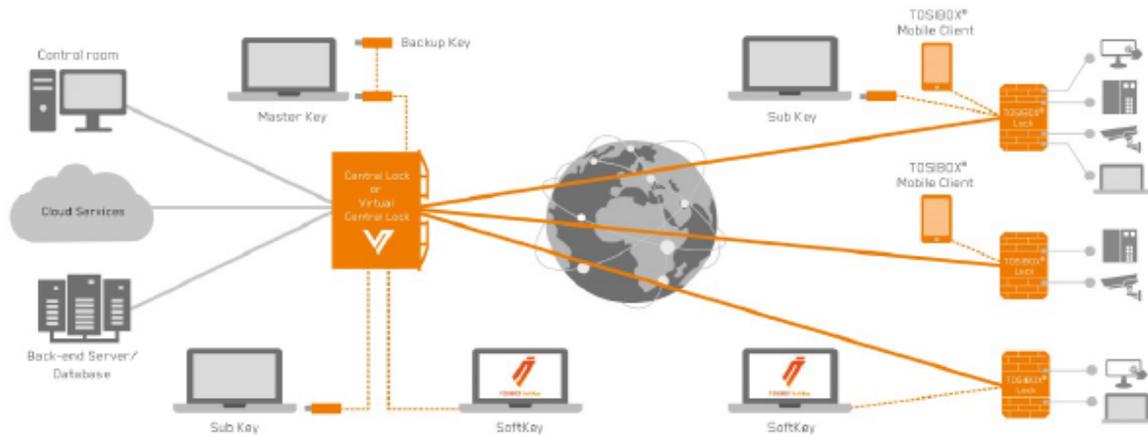
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*Our ASHRAE Tri-County leaders for the 2019-2020 season!*

## OFFICERS

President: Felix Monterroso / Willdan Energy Solutions

President Elect: Elyse Johnson / Infrastructure Factor Consulting Inc.

Secretary: Vacant

Treasurer: Sarah Takhtawala / Goss Engineering Inc.

## BOARD OF GOVERNORS

Board Member: Kakeru Fujikawa / Goss Engineering Inc.

Board Member: Erick Delgado / Dawson Co.

Board Member: Ian Villazana / ACCO Engineered Systems

*About us!*



# PAST MEETING

## PRESENTATION TOPIC

### *“Holistic Thinking for Multidisciplinary Design Solutions”*

*The talk started by introducing the idea of unconscious bias built into our professional world view by our academic and specialist training and then turns to tips for transcending that bias to develop design empathy and proactive working relationships. By exploring a series of short case studies involving interface and coordination between architectural, structural, civil, MEP, façade, acoustics, fire and sustainability disciplines working in the building design context, the audience was able to better recognize the needs and design sensibilities of our partners outside of the HVAC field.*

## ABOUT THE PRESENTER

*Erin McConahey is a Principal in Mechanical Engineering with Arup, a 15,000 person employee-owned global engineering, advisory and planning consulting firm. During her 24 years with Arup, she has worked internationally and now leads multidisciplinary design teams in Los Angeles on a wide variety of project types.*

*Erin is a Professional Engineer in California and Colorado, a LEED accredited professional (BD+C specialty), an ASHRAE accredited High Performance Building Design Professional, a Certified Diversity Professional (CDP) and a Fellow of the American Society of Heating, Refrigeration, and Air-conditioning Engineers.*

*Erin McConahey  
Principal, Arup  
[erin.mcconahey@arup.com](mailto:erin.mcconahey@arup.com)*



# UPCOMING MEETING

## PRESENTATION TOPIC

[Register Here!!](#)

### **“Sustainable Refrigeration Systems – Trends and Practices”**

*Presentation Summary: Refrigeration is employed throughout the global cold chain, from farm to home, as well as many other industrial and commercial applications. Increased competition and climate change are both driving important and necessary advancements in industrial and commercial refrigeration systems. The refrigeration cycle is also critically important in the decarbonization of buildings and industry when used for heating. This presentation will describe challenges and opportunities for higher efficiency and reduced greenhouse gas emissions through improved design practice and low-GWP system technology, particularly using natural refrigerants .*

**Joint Meeting with**  
[ASHRAE Orange](#)  
[Empire](#)

[For more info!](#)

## ABOUT THE PRESENTER

Doug Scott is President and Founder of VaCom Technologies, based in California, and now a BITZER Group Company. He has extensive experience in the industrial and commercial refrigeration industry, including development of efficient refrigeration technologies, industrial automation systems and real-time performance analytics. He is actively involved in ASHRAE, IIAR and other industry organizations.



## Cal Poly Pomona ASHRAE Student Branch

Jim Toda (Student Activities Chair)

On September 26, the Cal Poly Pomona ASHRAE Student Branch had their first meeting this year, with 22 students attending. See picture on this page. The Student Branch is doing great, with excellent leadership provided by Student Branch President Jazmin Leon Francisco, Vice President Joseph (Joe) Rico, Media Coordinator Jamie Lopez, Secretary Jennifer Lopez, and Treasurer Eric Oliver.

Student Branch members are excited to participate in upcoming ASHRAE Student Branch activities and events. Some of the events scheduled are a Taco Sale Fundraiser, SCE tour, and Cal Poly Pomona Central Plant tour.

The Student Branch has already formed a team for the ASHRAE Student Design Competition next year. Cal Poly Pomona gives students credit for their Senior Project, when they participate in a Design Competition entry.

Tri County members will be able to meet Student Branch members, at our annual Student Night. Our Student Night meeting this year will be at Cal Poly, on April 21, 2020.



# 2019-2020 PARTIAL ROSTER



## Officers

<b>President</b>	<b>Felix Monterroso</b> Willdan Energy Solutions — 626-629-9658
<b>President-Elect</b>	<b>Elyse Johnson</b> Infrastructure Factor Consulting Inc. — 951-892-6153
<b>Secretary</b>	<b>Vacant</b>
<b>Treasurer</b>	<b>Sarah Takhtawala</b> Goss Engineering, Inc. — 951-363-4786

## Board of Governors

<b>Kakeru Fujikawa</b> Goss Engineering, Inc. — 714-310-8126
<b>Erick Delgado</b> Dawson Co. — 626-755-3798
<b>Ian Villazana</b> ACCO Engineered Systems — 714-287-8325

## Committee Chairs

<b>Historian</b>	<b>Jim Toda</b> Custom Cooling Company — 909-599-9222
<b>Student Activities</b>	<b>Jim Toda</b> Custom Cooling Company — 909-599-9222
<b>Research Promotion</b>	<b>Joe Sanders</b> Dynamic Engineered Systems, Inc — 951-278-0282
<b>Newsletter Editor</b>	<b>Felix Monterroso</b> Willdan Energy Solutions — 626-629-9658
<b>Membership Promotion</b>	<b>Erick Delgado</b> Dawson Company — 626-755-3798
<b>Young Engineers in ASHRAE (YEA)</b>	<b>Felix Monterroso</b> Willdan Energy Solutions — 626-629-9658
<b>Chapter Technology Transfer</b>	<b>Felix Monterroso</b> Willdan Energy Solutions — 626-629-9658



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

# Tri-County SUPER HEAT

CELEBRATING  
YEARS

**31** 1989-2020

**TRI-COUNTY ASHRAE!**

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

1988-1989	SUKHDEV MATHAUDHU	2014-2015	RYAN RODRIGUEZ
1989-1990	SUKHDEV MATHAUDHU	2015-2016	SHAW GENTRY
1990-1991	JEFF LEONARD	2016-2017	CHRIS ROBLES
1991-1992	DEL THOMAS	2017-2018	IAN VILLAZANA
1992-1993	TONY PIERCE	2018-2019	KAKERU FUJIKAWA
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	LUCAS HYMAN		
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	JAIM LOPEZ		
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 more than 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.