

# Tri-County SUPER HEAT ASHRAE

American Society of Heating, Refrigerating and Air-Conditioning Engineers

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## MEETING INFORMATION

**Date:** November 17, 2020  
**Location:** Webex  
 Online Meeting  
**Time:** 12:00PM to 1:30PM  
**Member Cost:** \$20  
**Non-Member Cost:** \$25



Webex Meetings

We look forward to seeing you again at our next meeting. Our next meeting will be held "ONLINE" via Cisco Webex. Please e-mail Felix Monterroso at [ashraetricounty@gmail.com](mailto:ashraetricounty@gmail.com) to reserve your spot for the upcoming meeting.

## ASHRAE'S CORE VALUES

As we proceed through our 2020-2021 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.

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 ad in Super Heat for the 2020-2021 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 MONTHLY PUBLICATION for the 2020-2021 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](mailto:ashraetricounty@gmail.com) and we will send you a link to pay for the corresponding fees.***

**Felix Monterroso**

TCSH Editor

# BUSINESSES CARDS



**JIM TODA**  
Sales Engineer

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Phone (909) 599-9222 FAX (909) 599-4418

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WEB SITE: [www.cccrcps.com](http://www.cccrcps.com)



**Jeffrey R. Pose**  
President

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Engineered Products, Established 1972  
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## PROUDLY REPRESENTS



**Griswold Controls**  
Mechanical & controls, automatic & manual balancing, PIC-V, EPIC System, lead-free valves. Coil kits, BTU meters



**NuTech**  
Automatic & manual balancing valves, coil piping packages, lead-free valves, hose kits



**Vortisand**  
High efficiency submicron filtration systems for open cooling towers or closed loop systems.



**Rovanco Piping Systems**  
Pre-insulated underground & containment piping systems. Leak detection.



**Unisource Mfg**  
Bellows, expansion compensators & joints, nested U-loop, V-loop, stainless steel & bronze braided flexible connectors.



**Flex-Weld / Keflex**  
Bellows, expansion compensators & joints, stainless steel & bronze braided flexible connectors, and pipe guides.



**ChamFlex**  
"Class A fire rated" hose assemblies & kits designed for water source heat pump, fan coil, VAV, and chilled beam applications.



**Hydroflex**  
Domestically produced stainless steel braided flexible connectors.



**Delta Cooling Towers**  
Modular, open & closed loop, corrosion proof, biofilm resistant cooling towers.



**Duraflex**  
Bellows, expansion joints, stainless steel & bronze braided flexible connectors, tubing, & hose assemblies.



**Bonomi North America**  
High performance ball & butterfly valves with optional positioner & actuation packages.



**DuraValve**  
Brass & stainless steel ball valves, butterfly valves, pneumatic and electric actuators, and actuated assemblies.



**General Water Systems**  
Centrifugal separators, chemical pot feeders



**FlowCon International**  
Pressure independent & control valves. Adjustable automatic flow limiting



**Bray**  
Specialty HVAC valves, high performance butterfly valves, ball valves & control valves.



**Quadax**  
Four-offset high performance butterfly valves, industrial valves for steam and industrial applications.



**Pipe Shields**  
Pre-Insulated pipe supports, guides, and anchors.



**SWEP**  
Braided plate heat exchangers for HVAC, refrigeration.



**Duo-Aire**  
Commercial kitchen ventilation & utility distribution systems

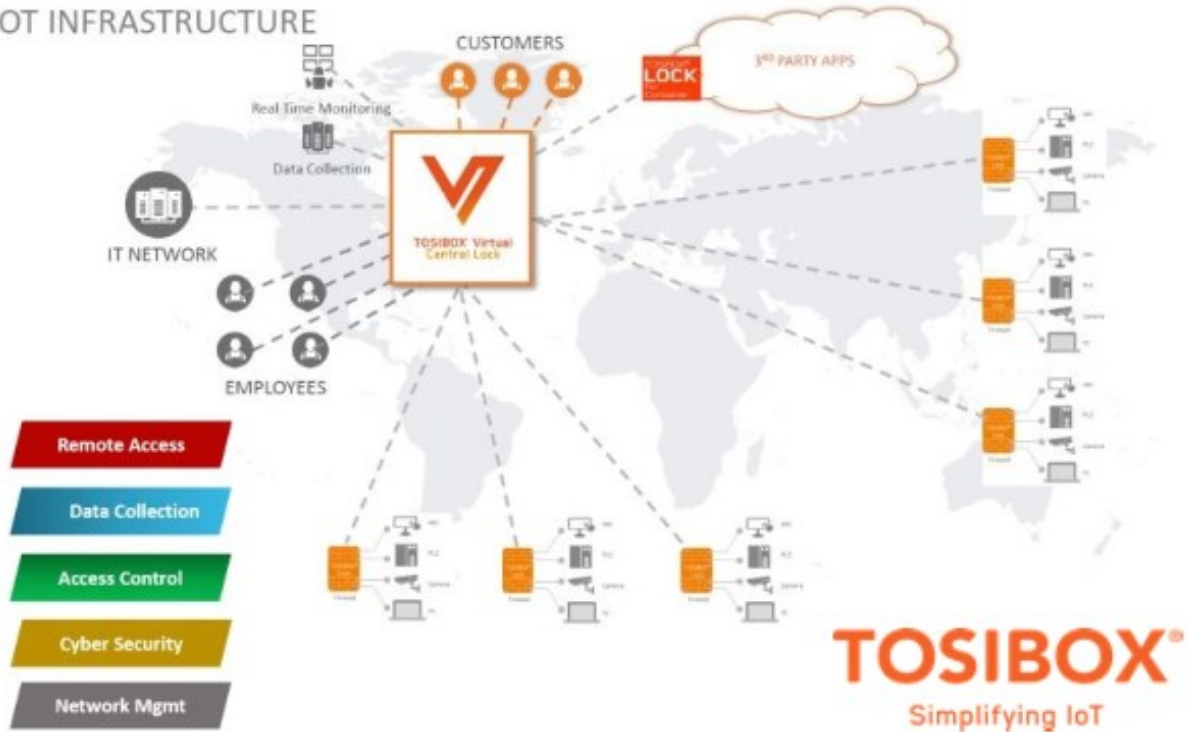


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[www.jmarcontrols.com](http://www.jmarcontrols.com)

*Our ASHRAE Tri-County leaders for the 2020-2021 season!*

## OFFICERS

President: Michael Franzen / Franzen Consulting

President Elect: Manny Perez /

Secretary: Jeff Pose / J-MAR Controls Solutions

Treasurer: Walter Escamilla /

## BOARD OF GOVERNORS

Past President: Felix Monterroso / Willdan Energy Solutions

Board Member: Kakeru Fujikawa/ Goss Engineering Inc.

Board Member: Erick Delgado / Dawson Co.

Board Member: Ian Villazana / ACCO Engineered Systems

*About us!*



## “Mitigating Disease Transmission with Germicidal UV-C”

*This presentation discussed the basics of Germicidal UV-C technology and its ability to inactivate all known microorganisms including viruses, mold, bacteria—even drug-resistant superbugs. The presentation covered the various infectious diseases and how they can be inactivated in airstreams with the UV-C wavelength. The presentation also covered ASHRAE’s position on UV-C, as well as the different applications of UV being used to mitigate the transmission of airborne diseases as well as maintaining HVAC efficiency.:*



Daniel Jones  
 President & Co-Founder  
[dan.jones@uvresources.com](mailto:dan.jones@uvresources.com)



Jones has served the HVAC community for more than three decades, helping to educate and train facility managers, specifying engineers and industry professionals with an emphasis on airstream disinfection and surface treatment technologies. The president and co-founder of UV Resources, Daniel Jones is the author of numerous articles on germicidal-UV airstream and surface disinfection. Mr. Jones is an active member on several ASHRAE Technical Committees, including corresponding member of TC 2.9, Ultraviolet Air and Surface Treatment, and the standard project committee for ANSI/ASHRAE Standard 185.2.

# UPCOMING MEETING

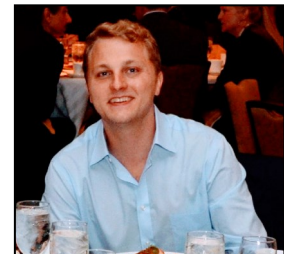
[Register Here!](#)

## **“Overview of Thermal and Seismic Expansion Joints and How to Apply them in Hydronic System Design ”**

*This presentation will discuss the following:*

- Overview of calculating thermal expansion in hydronic systems
- Review how to use natural flexibility in the piping with anchors and guides (ASHRAE Guidelines)
- Examples on where thermal expansion joints are needed in a given piping system
- Discuss various types of thermal/seismic expansion joints and design considerations for each
- Overview of when a seismic expansion joint is needed
- Review different design considerations for thermal and seismic movement from the expansion joint perspective

*Eric Decker, P.E., CPD  
 Manager – Business Development Group  
 Dawson Company  
 edecker@dawsonco.com*



*Eric Decker graduated from the University of Illinois at Chicago with a B.S. in Mechanical Engineering. After graduating, he worked for Bell & Gossett in Morton Grove, IL in the Commercial Pumps Marketing Department. In Fall of 2011, Eric joined Dawson Company's Business Development Group calling on mechanical and plumbing consulting engineers in the Orange County area. In Fall of 2017, Eric became manager of the department.*

*Eric is a Registered Professional Mechanical Engineer (P.E.) as well as Certified in Plumbing Design (CPD). He's also past President of the Orange County ASHRAE Chapter.*

[Find Out More!](#)

[Learn More!](#)



# ACTIVITIES REPORTS

## Historian's Report

By: Jim Toda (Tri County Historian)

**Tony Henkel** was **Tri-County ASHRAE chapter President** during the **1994-1995** year. He provided excellent leadership during that time for our chapter. He was also responsible for my start in ASHRAE. He called in 1994 to see if we would be interested in a Tabletop display at the December joint meeting. He introduced himself as the Tri County ASHRAE President. I asked him "What is Tri County ASHRAE?"

Tony is currently the President at KSR Associates. He has been with the organization for 37 years. The first 25 years the organization was Kaiser Sales. The last 12 years (since 2008) the organization has been KSR Associates. Below is an interview with Tony, which details some of his earlier years and various ASHRAE experiences.

Tell us about your earlier life:

**Tony:** I was born in Wisconsin, then moved to California in 1969. As for education, I completed the HVAC program at Mount San Antonio Community College. I also went to the Carrier Corporation training program. My first job was with Hermetic Refrigeration, which was a compressor manufacturer. After Hermetic Refrigeration, I went to Kaiser Sales.

What attracted you to the HVAC industry?

**Tony:** The HVAC industry requires mechanical skills and people skills. I figured these combined would be fun and interesting. I was right!

What other interests or hobbies do you have?

**Tony:** I like cars. One of our cars is a 1968 Chevelle. I also like concerts, with Pink Floyd being a favorite.

How did you get started in ASHRAE?

.....continue to next page



## ACTIVITIES REPORTS

**Tony:** Jeff Leonard tricked me into getting into Tri County ASHRAE. In 1990 he mentioned the Chapters Regional Conference (CRC) would be in Hawaii. If I volunteered to be the Tri County Membership Chair, then the trip would be covered by the chapter. I started my ASHRAE experience by volunteering to be Membership Chair. I then went through the Officer Chairs, starting the 1990-1991 year.

*PS The CRC Hawaii trip turned out to be my most expensive free trip ever!*

*What was your ASHRAE chapter experience like?*

**Tony:** The thing I remember was we were very energetic, and aggressive in soliciting participation. We had many joint meetings, meeting with SMACNA, California Hospital Association (CHA), and other organizations.

*What were your most memorable ASHRAE moments?*

**Tony:** The coolest moment was when I won a meeting raffle, for tickets to a Lakers-Celtics game. The game turned out to be Magic Johnsons jersey retirement ceremony, on 2-16-92.

The most memorable moment however was during the 1994 joint December meeting at the Industry Hills Sheraton, with 250 people attending. Tri County was the host chapter that year, so I was the Master of Ceremonies (MC). The meeting was also a Centennial Anniversary Celebration (ASHRAE was founded in 1894), with ASHRAE Society President Bruce Manning as the main program speaker.

*I stepped outside the ball room for a moment. When it was time to start the meeting, I peeked inside and saw all the people. I thought "Oh my gosh. I am not sure I can do this." After a short while I said to myself "Yes I can". I then went in and we had a most memorable meeting.*

*What advice would you give to someone entering the HVAC field?*

**Tony:** Always go all out and give 100%. Be accountable and responsible. Also, always do the right thing. The most valuable thing we have is our integrity.




# UPCOMING EVENTS

## The ASHRAE Digital Lighthouse and Industry 4.0



**Dec 1st, 2020  
11:30am-1:00pm  
Joint Meeting**

**Society President**  
Chuck Gulledge III, PE, HBDP, LEED AP

Raffle prizes and Networking

## Charles "Chuck" Gulledge III 2020-2021 ASHRAE President

Charles E. Gulledge III, P.E., HBDP, LEED AP, Fellow ASHRAE, is ASHRAE's President for the 2020-21 term. Gulledge previously served on the ASHRAE Board of Directors as president-elect, treasurer, vice president and director-at-large.

For his time and dedication to ASHRAE and the industry, he is the recipient of numerous awards including the Exceptional Service Award, Distinguished Service Award, Chapter Service Award, Regional Award of Merit, two ASHRAE Technology Awards and the Dan Mills Technology Award.

His theme for the 2020-21 ASHRAE Society Year is "The ASHRAE Digital Lighthouse and Industry 4.0."

"Why should we engage in digital transformation? To gain a competitive advantage amongst our peers, position ourselves as the go-to resource for clients, improve margins, provide greater value, and attract and retain a digitally skilled workforce."



Gulledge's theme focuses on reimagining the building industry and ASHRAE's place in it by integrating not only industry segments, but also technology.

*"Digital transformation is not simply associated with adopting new technical solutions. Knowledge needs to be captured and linked in such a way that ALL relevant stakeholders' benefit. Doing so requires understanding of how to collect, store, and analyze data; so that it is insightful and actionable."*

[Register Here!](#)

# 2020-2021 PARTIAL ROSTER



## Officers

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<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**  
**31 YEARS**  
**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	2019-2020	FELIX MONTERROSO
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	JAI MELOPEZ		
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.