

P.O. Box 3916, Honolulu HI 96812-3916  
ashraehawaiichapter.info

## President's Message

By Mofazzal Mir, P.E.

Our second monthly meeting on October 11, 2018 was a total success in terms of participation and the technical information exchanged. Fifty members attended the meeting. Do's and Don'ts speaker, David Lindsay, went over the dedicated outside air system and its application in hot and humid environments like ours. Controls round table discussion was superb. The outstanding speakers went over all the aspects of the control system used in HVAC systems. The main emphasis was on how proper implementation of the control system can save energy for the clients. The speakers cautioned the audience not to over-design the control system and make it too complicated, or risk resulting in higher project costs and difficulties in maintenance. The panelists also touched upon cyber security issues and how to prevent unauthorized persons from gaining access to sensitive information through the control system. One of the suggestions was to separate servers that handle control systems from the servers that handle financial or other sensitive information. Speakers expressed that cloud based computing systems and the internet of things (IoT) will immensely impact future control systems, and we will be able to accomplish tasks that were unthinkable in the past. However, that will further complicate cyber security issues. The main takeaway from the meeting was that our local control experts are willing to help the designer to design a control system that is easy to implement, while achieving all the desired functionalities, thus keep the project costs relatively lower and easier to maintain.



Our next meeting will be on Thursday, November 8, 2018. Mr. Henry Slack, ASHRAE distinguished lecturer, will talk about how can climate change impact indoor air quality and health in the main program. Mr. Slack managed the Indoor Air Program for the U.S. Environmental Protection Agency (EPA), region 4. In that position, he offered quality expertise concerning indoor air to citizens or public agencies with questions on topics as diverse as mold, odors, ozone, carbon monoxide, air cleaners, ventilation systems, and second-hand tobacco smoke. We believe it will be very useful for our members to hear from a society-recognized indoor air quality expert like Mr. Henry Slack.

The November monthly meeting is also declared as a "Membership Promotion Night." ASHRAE is a grassroots organization and members are the most important element of the organization. Therefore, it is incumbent on us to increase our membership and retain our existing members. To that end, our membership promotion committee will go over the importance and benefits of becoming an ASHRAE member. We encourage everyone to bring at least one potential ASHRAE member in the meeting to make our membership promotion night successful.

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At the end, we ask everyone to attend our upcoming monthly meeting and support our local chapter.

Mahalo Nui Loa!

Mofazzal Mir, P.E.

2018-19 ASHRAE Hawaii Chapter President

## November Chapter Meeting Membership Promotion Night!

**Date:** Thursday, November 8, 2018

**Location:** The Plaza Club, 900 Fort St. Mall, 20th Floor ([www.theplazaclub.com](http://www.theplazaclub.com))

**Registration:** Starts at 5:30 pm.

**Technical Session:** 6:15 pm

**Dinner:** 7:00 pm

**Main Program:** 7:30 pm

**Adjournment:** 9:00 pm



THE  
PLAZA CLUB  
HONOLULU

**Cost:** \$45 per ASHRAE member; \$50 per guest; \$55 at the door.

Payment by credit card: <https://ashraehawaiichapter.info>. Otherwise, make check payable to ASHRAE Hawaii Chapter. Contact Justin Choriki at [jhchoriki@burnsmcd.com](mailto:jhchoriki@burnsmcd.com) for additional info.

Next event: Friday, December 7, 2018 Christmas Party & Past Presidents' Night at Honolulu Country Club! See flyer for additional info.

## Technical Session

*“Thermostatic Mixing Standards - Best Methods and Relevance to Legionella and ASHRAE Standard 188-2015,” by David Lord*

This session will focus on best practices and design considerations for distributed and or recirculated hot water systems where stored hot water is tempered to safe temperatures for domestic use. Discussion will include features of various types of thermostatic mixing valves, considerations for the control of legionella in domestic water systems, and implications of ASHRAE standard 188-2015 for the engineering community.

## About the Speaker

David Lord, JM Sales Hawaii, Manufacturer's Representative.

David Lord has been a rep in Hawaii since 2003. Formerly with plumbing manufacturers Watts Industries and MIFAB Inc, David took the opportunity to acquire JM Sales when former owner Jack Minaldi retired in 2004. Centered mainly on the commercial plumbing sector, JM Sales represents such manufacturers as Chicago Faucets, Circuit Solver, Leonard Thermostatic Mixing valves and polypropylene pipe manufacturer Aquatherm. David & Susan Lord are the owners and operators of JM Sales.



## Main Presentation

### *“Fixing the Great Indoors: HVAC and Indoor Air Quality” and “How Can Climate Change Impact Indoor Air and Health?” by ASHRAE Distinguished Lecturer Henry Slack*

Most of the time, we breathe without a thought, hundreds of times each hour – unless there’s a problem. When something’s wrong, it’s due to pollutants, people, pathways, and pressure differences. The best solution often is to find the sources and control them, or fix the pathways and pressures. This presentation will focus on what goes wrong in our buildings that engineers can manage –intakes, dampers, filters, coils, drain pans, fans, and controls. Instead of testing, a visual inspection (walk-through) can identify many likely sources and pathways, which are often inexpensive to fix.

Indoor environments can be significantly impacted by climate changes such as large increases or decreases in rainfall and snowfall, extremely high or low temperatures, and changes in the severity of storms. Increased rainfall may lead to increased risk of flooding and dampness indoors, and growth of mold indoors. Decreased rainfall or droughts may lead to wildfires that will create particulate air pollution that can seep indoors. Extreme temperatures and storms may drive people to stay indoors to protect themselves from the elements, and increase their use of heating, ventilation and air condition (HVAC) systems. The speaker will discuss these findings, which suggest methods by which engineers and architects can make our buildings more climate-ready.

## About the Speaker

From 1991 to April 2018, Henry Slack managed the Indoor Air Program for the U.S. Environmental Protection Agency (EPA), Region 4, which covers eight southeastern states. In this position, he offered expertise concerning indoor air to citizens or public agencies with questions on topics as diverse as mold, odors, ozone, carbon monoxide, air cleaners, ventilation systems, and secondhand tobacco smoke. The EPA program is non-regulatory.

Mr. Slack earned a Bachelor of Science in Chemistry in 1974 from Southwestern at Memphis (now called Rhodes College) in Memphis, Tennessee, and a Master of Science in 1980 from Georgia Institute of Technology. He joined ASHRAE in 1988.



Although he retired from EPA, he has been happy to continue as a Distinguished Lecturer for ASHRAE. He also volunteers with the Citizens' Climate Lobby, a nonpartisan grassroots advocacy organization focused on national policies to address climate change.



## Follow us on Facebook @ASHRAEHawaii

Visit <https://www.facebook.com/ASHRAEHawaii/> for the latest updates on monthly meetings, event photos, and more! Please contact Kalani Castro and David Lebowitz for more information.

## 2018-2019 Chapter Programs Calendar

	Speaker	Topic
<b>September 13, 2018</b>		
Do's and Don'ts	Jim Riendeau	Outdoor Airflow Control Improves Buildings
Main Presentation	Derrick Sonoda	Understanding the Needs, Expectations and Lifestyles of Future Buyers and Building Operators
<b>October 11, 2018 – Research Promotion Night!</b>		
Do's and Don'ts	David Lindsay	Dedicated Outdoor Air Systems (DOAS)
Main Presentation	David Jimenez, Rolf Klein, Ken Richardson, RJ Ritter	Controls Round Table
<b>November 8, 2018 – Membership Promotion Night!</b>		
Do's and Don'ts	David Lord	Thermostatic Mixing Standards - Best Methods and Relevance to Legionella and ASHRAE Standard 188-2015
Main Presentation	Distinguished Lecturer Henry Slack	How Can Climate Change Impact Indoor Air and Health?
<b>December 7, 2018</b>		
Christmas Party & Past Presidents' Night @ Honolulu Country Club		
<b>January 10, 2019</b>		
Do's and Don'ts	TBD	TBD
Main Presentation	TBD	Architect Guest Speaker
<b>February 14, 2019</b>		
Do's and Don'ts	TBD	TBD
Main Presentation	TBD	Construction Management & Liability
<b>March – TBD</b>		
Technical Seminar		
<b>April 11, 2019</b>		
Do's and Don'ts	TBD	TBD
Main Presentation	TBD	VRF Round Table
<b>May 3, 2019</b>		
Golf Tournament @ Pearl Country Club		
<b>May 9, 2019 – Student Activities Night!</b>		
Do's and Don'ts	TBD	TBD
Main Presentation	TBD	TBD

## Chapter Officers

Officers		Board of Governors	
Mofazzal Mir, P.E.	President	Kevin Luoma, P.E.	
Willie Diguc, P.E.	President-Elect	Donna Kishi	
Samantha Nakamura, P.E.	Vice President	Paul Scott	
Matt Tio	Secretary	Scott LaBeau	
David Lebowitz	Treasurer		
Committee Chairpersons			
Justin Choriki	Attendance & Reception	Tony Rasabout, P.E.	Student Activities
Manochehr Khan	Energy Awards	Josh Jackson	Technical Seminar & Product Show
Tyson Quisano	Technology Awards	Willie Diguc, P.E.	Technology Transfer
R.J. Ritter	Grassroots Government Activities Chair (GGAC)	David Lebowitz	Webmaster
Kevin Luoma, P.E.	Historian	Kalani Castro	Chapter Electronic Communications
William Lee, P.E.	Membership Promotion	Jack Mullen	Young Engineers of ASHRAE (YEA)
Samantha Nakamura, P.E.	Newsletter Editor	Charles Chaloeicheep, P.E.	Sustainable Activities
Diamond Pedro & Kelsey Koshi	Chapter Programs	Donna Kishi, William Lee, Kevin Luoma	Nominating Committee
Jeanessa Slaughter	Refrigeration	Donna Kishi, William Lee, Kevin Luoma	Events & 50 <sup>th</sup> Anniversary Celebration Committee
Joshua McDonough & Dan Mestas	Research Promotion		



MOFAZZAL MIR, P.E.  
INSYNERGY ENGINEERING



WILLIE DIGUC, P.E.  
OAHU AC



SAMANTHA NAKAMURA, P.E.  
WSP USA



MATT TIO  
DMG HAWAII



DAVID LEBOWITZ  
OAHU AC

## Chapter BOG and Committee Chairpersons



KEVIN LUOMA  
WSP USA



DONNA KISHI  
NORMAN S. WRIGHT



PAUL SCOTT  
ENGINEERED SYSTEMS



SCOTT LABEAU  
DMG HAWAII



JUSTIN CHORIKI  
BURNS & MCDONNELL



MANOCHEHR KHAN  
ALLANA BUICK & BERS



TYSON QUISANO  
AIR TREATMENT CORP.



R.J. RITTER  
TRANE



WILLIAM LEE, P.E.  
COFFMAN ENGINEERS



DIAMOND PEDRO  
ACS SUPPLY CORP.



KELSEY KOSHI  
ACS SUPPLY CORP.



JEANESSA SLAUGHTER  
AIR CENTRAL



JOSHUA MCDONOUGH  
WSP USA



TONY RASABOUT, P.E.  
COFFMAN ENGINEERS



JOSH JACKSON  
AIR TREATMENT CORP.



KALANI CASTRO  
COFFMAN ENGINEERS



JACK MULLEN  
TRANE



CHARLES CHALOEICHEEP, P.E.  
WSP USA

## Research Promotion

By Joshua McDonough and Dan Mestas

ASHRAE Hawaii Members,

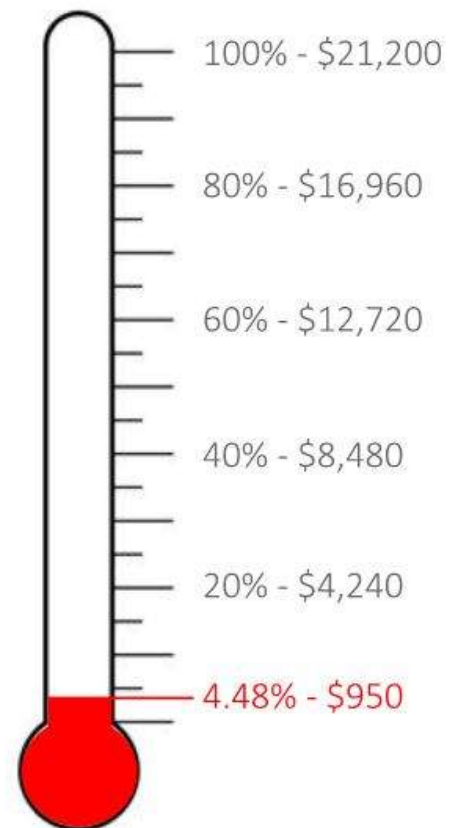
Last month's Chapter Meeting provided insight about the importance of donating to ASHRAE Research and Promotion (RP). The RP campaign is an annual fundraising campaign benefitting the fundraising of numerous ASHRAE programs that include Research, Young Engineers in ASHRAE (YEA), Education/ASHRAE Learning Institute (ALI), RP General Fund, ASHRAE Foundations & Endowed Funds and ASHRAE Scholarships.

During the 2017-2018 Society Year, under the direction of President Kevin Luoma P.E., the ASHRAE Hawaii Chapter took a huge step in establishing our long-term vision of providing a scholarship to Hawaii students. The Kokua Scholarship Fund, once fully funded, will provide a yearly \$1,500 scholarship to Hawaii students interested in pursuing their degree for a career within the HVAC industry. The scholarship has currently raised \$6,000 out of the necessary \$30,000 it needs to be fully endowed. It is our goal to raise the additional \$24,000 by June 2019, and we cannot do it without your help! Please consider making a personal donation or a donation on behalf of your company to help realize our vision and forward learning for our students. You can donate online by visiting [www.ashrae.org/make-a-gift](http://www.ashrae.org/make-a-gift), selecting "Donate Now" under ASRHAE RP Campaign and filling in "Hawaii Chapter – Kokua Scholarship Fund" under the "Other" option for ASHRAE Scholarships. If you have any questions, please feel free to reach out to RP Co-Chair Joshua McDonough ([joshua.mcdonough@wsp.com](mailto:joshua.mcdonough@wsp.com)), who can walk you through the process.

Finally, a special thanks to RJ Ritter and Jack Mullen of TRANE for their support of October's Meeting. TRANE was instrumental in bringing awareness to the RP Campaign and we are extremely grateful for their continued support.

## RP 2018-2019 Goals

Region X Goal:	\$190,000.00
Hawaii Chapter Goal:	\$21,200.00
\$ Raised (as of 10/18/2018):	\$950.00
% of Goal Achieved:	4.48%



## Energy Workshop at Pacific Building Trade Expo

### EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT ZNE AND HAWAII'S 2015 IECC

All members are invited to participate in two sessions focused on - Zero Net Energy (ZNE), Codes and Incentives, featuring presenters from: Hawai'i Energy, the Hawai'i State Energy Office, and New Buildings Institute (NBI) – at the Hawaii Convention Center.

Wednesday, November 14, 2018, Hawaii Convention Center, Room 317B – 2:15-3:15 pm at the Pacific Building Trade Expo and Seminars – Updates on the IECC 2015 and Hawaii Amendments, Tools, Resources and Incentives, and how Hawaii can get to NZE will be highlighted. There is no registration fee.

Thursday, November 15, 2018, Hawaii Convention Center, Room 318 – 11:00 am – 12:30 pm - An interactive workshop will build upon Wednesday's educational session, with an emphasis on identifying barriers to code compliance, finding solutions, and getting feedback from the architecture, engineering and building industry communities.

Please see the event website for other featured complimentary events, such as the keynote speakers, Ed Mazria and Angela Brooks, lunch at the expo on the 14th, and breakfast on the 15th. AIA CEU Credit will be available. Please register at: <https://2018designsymposium.com/register/> and also RSVP to Howard Wiig at [Howard.c.wiig@hawaii.gov](mailto:Howard.c.wiig@hawaii.gov).

Mahalo for your participation!





## October 2018 Monthly Meeting



Above: There was a great turnout at the October monthly meeting!



Above: Mahalo to Trane Hawaii for sponsoring the Research Promotion night. Pictured left to right - Joshua McDonough (WSP & RP Co-Chair), RJ Ritter (Trane Hawaii), Kalani Castro (Coffman Engineers) and Jack Mullen (Trane Hawaii).



Above: Bill Lee moderates the DDC round table discussion. Speakers from left to right - David Jimenez (Johnson Controls), Rolf Klein (Hawaii Energy Systems), Ken Richardson (Island Controls, Inc.), RJ Ritter (Trane Hawaii).

## Message from the Newsletter Editor

By *Samantha Nakamura, P.E.*

Aloha fellow ASHRAE Hawaii Chapter members,

While it is not news to most of us that women are currently an under-represented group in the HVAC engineering field (I counted eight women present at the last meeting I attended out of 41 total attendees), some of you may be surprised to learn that Women in ASHRAE (WiA) was approved as an official chapter-level committee at the 2018 Winter Conference in Chicago by the Members' Council. This is an exciting step forward for our industry, as it demonstrates Society's commitment to growing diversity in our ASRHAE communities. At our BOG meetings this year, there has been discussion of starting up a Women in ASHRAE committee for our chapter.

If we could successfully establish a local WiA committee, the mission would be:

- To promote the addition and retention of women in the built environment by encouraging opportunities for professional development and leadership.
- To strive to unite women from various occupations including engineering, construction, project management, property development & ownership, equipment sales & manufacturing, architecture and more.
- To foster mentoring relationships among these professions to create a network of women supporting women in our Region.

Only 9% of members in our chapter are women, and I believe this year we have an opportunity to see this number grow by founding a local WiA group. I would encourage any of our members or potential future members, men or women, to please reach out to me at [Samantha.Nakamura@wsp.com](mailto:Samantha.Nakamura@wsp.com) if you have any ideas for WiA events that you would like to see happen this year. We welcome ideas from anyone interested in participating in this committee and any companies that would be interested in sponsoring an event!

Mahalo,

Samantha Nakamura, P.E.

2018-2019 Hawaii ASHRAE Chapter Vice President

### YOUR AD HERE!

Please contact us for inquiries about advertising your company on our newsletter or website.

#### ASHRAE Hawaii Chapter

P.O. Box 3916  
Honolulu, HI 96812-3916

Chapter Website:  
[www.ashraehawaiichapter.info](http://www.ashraehawaiichapter.info)

ASHRAE Main Website:  
[www.ashrae.org](http://www.ashrae.org)

E-mail:  
[admin@ashraehawaiichapter.info](mailto:admin@ashraehawaiichapter.info)



**REGISTRATION FORM**

Name(Member): \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_

Email: \_\_\_\_\_

**Limited 80 Attendees – RSVP online or to determine guest list contact Justin Choriki , [jhchoriki@burnsmcd.com](mailto:jhchoriki@burnsmcd.com) by Nov 25**

	Number	Cost	Total
Member & Guest(s) (Each)		\$65	
Non-member		\$70	
No RSVP (walk-in Mbr or Non-Mbr)		\$80	
Children (10 – 17 years old)/Students		\$25	
Children (9 years & below)		FREE	

**Cost includes: Food (heavy pupus / dinner) & Drinks (1 ticket each) at The Honolulu Country Club; GAMES & PRIZES**

**TAX-DEDUCTIBLE DONATIONS (\_\_\_\_\_ Sponsor):**

**Platinum Sponsor:\$500 Gold Sponsor:\$200-499**

**Silver Sponsor:\$100-199- Bronze Sponsor 50-99**

**TOTAL AMOUNT ENCLOSED**

Register online at [www.ashraehawaiichapter.info](http://www.ashraehawaiichapter.info) or Make check payable to **ASHRAE Hawaii Chapter**.

Send check to **P.O. Box 3916 Honolulu, HI 96812-3916**.

**2018-2019 Officers, BOGs & Committee Chairpersons**

**OFFICERS**

President  
President-elect  
Vice President  
Secretary  
Treasurer

Mofazzal Mir, P.E.  
Willie Diguc, P.E.  
Samantha Nakamura, P.E.  
Matthew Tio  
David Lebowitz

**BOARD OF GOVERNORS**

Kevin Luoma, P.E.  
Paul "Scotty" Scott  
Scott LaBeau

**Christmas Celebration  
Past Presidents Night**



**Friday Dec. 7, 2018**

**5:30 PM – 6:00 PM Registration  
6:00 PM – 6:30 Cocktail  
6:30 PM – 8:00 PM Dinner/Ent.  
8:00 PM – 9:00 Santa and Prizes**

**Hosted By:**



**Location**

**The Honolulu Country Club  
Honolulu, HI 96826  
Phone: (808)952-9200**



**Entertainment By multiple  
Na Hoku Hanohano award winner  
Kupaoa - kupaoa.com**



## AGENDA - BOG Meeting

### Financial Plaza of the Pacific

130 Merchant St

Honolulu, HI 96813

10/11/2018 (**Thursday**) ~ 4:00 pm to 5:00 pm

1. Welcome and Self Introductions of the attendees:

Roll Call					
Name	Present	Name	Present	Name	Present
Mofazzal Mir, PE	X	Scott LaBeau	X	Tony Rasabout	
Willie Diguc, PE		Donna Kishi		R. J. Ritter	X
Samantha Nakamura, P.E.	X	Justin Choriki		Jeanessa Slaughter	
Matthew Tio	X	Joshua McDonough	X	Kalani Castro	
David Lebowitz		Dan Mestas	X	Manochehr Khan	X
William P. Lee, P.E.	X	Diamond Pedro		Joshua Jackson	
Kevin Luoma, P.E.		Kelsey Koshi	X	Tyson Quisano	
Paul Scott	X	Jack Mullen	X	Charles Chaloeicheep	
Matthew Liang	X				

4:17 Called to order.

2. Treasurer's Report – Mofazzal (David was not in attendance)

- \$33,874.19 currently in the account

b. Overall Budget for 2018-19 SY

- Discussed the budget and needing to keep some funds in there for emergencies and for the next CRC

c. BOH Bank account update – Update the bank signature card

3. General discussion on Hawaii Chapter Scholarship Fund

a. Discussed the scholarship, whether or not to commit an additional \$1,500.00 to start the scholarship early

- No active student branch to help advertise the scholarship
- Need to do some online notices

b. Motion made by Matthew Tio to donate \$24,000.00 towards the Kokua Scholarship fund, motion amended by Paul Scott to commit the difference to achieve the \$30,000.00 minimum to start the Kokua Scholarship fund, amended motion seconded by William Lee.

- Motion passed – unanimously

c. Motion made by Matthew Tio to reserve \$1,500.00 from our current funds in the event that we can put together a committee for the Scholarship Fund, put together guidelines to awarding the scholarship and be able to

select and award a candidate for the scholarship by the end of this society year, motion seconded by Paul Scott.

- Motion failed.

d. Discussion to make a committee and start on the guidelines for creating the scholarship.

- Mofazzal will form 2 committees, one to advertise and get candidates and one to select the candidate

4. Committee Reports:

a. Newsletter – Samantha

- Send articles in by October 25<sup>th</sup>

b. CTTC – Willie

c. Chapter Programs – Diamond / Kelsey

- Planning for the upcoming monthly meetings

d. Research Promotion – Joshua/Dan

- Need to do an individual recognition for everyone who has donated
  1. Certificates of recognition for people/groups who have donated \$300.00+

e. Membership Promotion – Bill Lee

- 2 new members
- 8 lapsed members
  1. Some have paid

f. GGAC – RJ Ritter

- Nothing new

g. YEA – Jack

- Students to be entered for student membership
- Social event – how to encourage more young people to participate
  1. December social event
    - a. Ugly aloha shirt party

h. Student Activities – Tony

i. Refrigeration – Jeanessa

j. Webmaster – David

- Basecamp
- Facebook Page

k. Chapter Electronic Communications Chair – Kalani

l. Energy Awards – Manochehr

- Manochehr is moving to California, will need a new chair

m. Technology Awards – Tyson

n. Attendance and Reception – Justin

o. Technical Seminar and Product Show – Josh

p. Sustainable Activities – Charles Chaloeicheap

q. Historian – Kevin

- r. Women in ASHRAE – Finding a Committee Chair
  - Samantha Nakamura
    - 1. October is breast cancer awareness month
      - a. Maybe participation in the awareness walk
  - s. Events – Donna
- 5. Audit Committee – Bill Lee, Paul Scott, and Scott LaBeau
- 6. Christmas party/Past President Night – Kevin, Donna Kishi
- 7. New Items?

Adjourned: 5:36 pm