



# ASHRAE

Hawaii Chapter

## HE EA MAKAMAE

*A monthly publication by the American Society of Heating Refrigerating and Air Conditioning Engineers, Inc.*

SY 2009-2010, Issue 2

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### PRESIDENT'S MESSAGE

By **Albert Hahn**

I am proud to announce that our September meeting went off without a hitch.

Our Do's and Don'ts was presented by Bobby Hahn of Pacific Systems Group a representative of Mitsubishi Electric. I'm sure all of us came out of the presentation with at least a lobe full of VRF information.

After dinner, Marlene Linders, a registered nurse and architect who consults in infectious disease control, illustrated why our mom's always told us to cover our mouth's when we sneeze and why we should wash our hands after we use the potty.

We are still adjusting to our new home at Dave & Buster's so please join us at the next meeting for a cocktail.

#### 2009-10 Officers

President	Albert Hahn P.E.
President Elect	Dicson Aggabao
Vice President	Michael Chang
Secretary	Barry Jim On P.E.
Treasurer	Paul Fukunaga P.E.

#### 2009-10 Board of Governors

Past President	Joseph Ting, P.E.
Member	Kevin Saito, P.E.
Member	William Lee, P.E.
Member	Paul Scott

#### 2009-10 Committee Chairs

Attendance & Reception	Roland Suzuki
Chapter Tech Transfer	Dicson Aggabao
Chapter Program	William Lee P.E.
Refrigeration	Scott La Beau
Technology Awards	Kevin Saito P.E.
Historical/ Long Range Planning	Joseph Ting P.E.
Honors & Awards	Kenneth Richardson
Membership Promotion	Mofazzal Mir
Newsletter	Michael Chang
Student Activities	Paul Fukunaga P.E.
Research Promotion	Paul Scott
Young Engineers of ASHRAE	Alayna Shima
Government Affairs	Mark Yamamoto

### October Monthly Meeting on Thursday, Oct. 8, 2009 - Dave and Busters – 6:00 p.m.

Do and Don't: **Boilers and Water Heating Systems** **Paul Scott**

Main Program: **Electrical Engineering for Dummies** **Doug Buhr**

RSVP: Roland Suzuki, [Roland@heide-cook.com](mailto:Roland@heide-cook.com)

Payment: \$35 member / \$40 non-member / \$45 at the door to ASHRAE Hawaii Chapter

P.O. Box 3916, Honolulu HI 96812 or via "PayPal" button at [hawaii.ashraechapters.org](http://hawaii.ashraechapters.org).



## MAIN PROGRAM

### **Electrical Engineering for Dummies (Mechanical Engineers)**

**Who:** Doug Buhr, P.E., Leed AP is the president and CEO of Douglas Engineering. He is a University of Iowa graduate with approximately 30 years of experience. He just so happens to be the only electrical engineering consultant in town who is the boss of a bunch of mechanical engineers.

**What:** For a mechanical engineer, an electrical engineer must be the last person you would want to meet in a dark alley. Often electrical engineers are forced to wait to complete their work because they are waiting for our mechanical engineering information. It doesn't help that we may not have the most sympathy for our engineering counterparts since all they draw is a bunch of squiggly lines all day.

Ever wondered what an electrical engineer would let us know if they had the chance? This month's speaker is going to explain all those squiggly lines and why it takes so long to draw them.

He will be letting us know what every mechanical engineer should know about electrical engineering.

## DO AND DON'T TECHNICAL SESSION

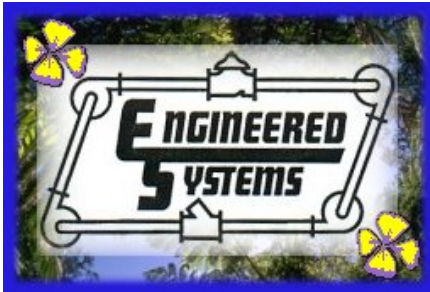
### **Boilers and Water Heating Systems**

Paul Scott from Engineered Systems has been in the boiler and water heater business for over 30 years. He will speak about the important things that a mechanical engineer should know about boiler and water heating systems.

Scotty will have with him the State of Hawaii Boiler inspector, Keith Rudolph, who will make a few comments on how best to work with their office.

Engineered Systems was started in 1992 by Paul and Linda Scott, after spending 17 years working together in the industry. Their combined industrial experience encompasses engineering, sales, and service support.

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



- Local Inventory of genuine, factory built parts and complete units
- Factory trained service personnel for all major lines
- Engineering support and training during start-up
- Fast and friendly parts ordering support
- Ongoing updates in new technology
- More than 75 years combined experience in Engineered Systems.



## **HISTORICAL**

By Joseph K. Ting, P.E., P.Eng.

### **ASHRAE Hawaii Chapter – Chartered & Prospective Members**

**The Companies Involved at Its Beginning** – On August 21, 1969, it was known to HVAC&R community that many of the key companies were involved. Without their full supports, the Chapter would have not been established. These companies were as follows:

1. Air Engineering Company
2. Associated Insulation Company, Ltd.
3. Board of Water Supply
4. Carrier Air Conditioning Company
5. Clarence Nakashima Consulting Engineers
6. Climate Hawaii, Inc.
7. Controls Inc.
8. Dunham-Bush, Inc.
9. Ferris & Hamig, Inc.
10. Frederick H. Kohloss & Associates Inc.
11. Hawaii Sales Associates, Inc.
12. Hawaiian Telephone Company
13. HDH Mechanical Designers, Inc.
14. Heat Cool Engineering, Inc.
15. Heide & Cook, Ltd.
16. Hole, Howard & Associates Inc.
17. Honeywell, Inc.
18. Honolulu Gas Company, Ltd.
19. Johnson Service Company
20. Lange & Thom, Inc.
21. Lillie Continental Mechanical Corp.
22. Mechanical Systems Corporation
23. Oahu Air Conditioning Company
24. Oahu Sales
25. Owen Corning Fiberglas Corporation
26. Philip S. Wu Consulting Engineers
27. Robert E. Hamilton & Company
28. Soderholm, Sorensen & Associates Inc.
29. The Hawaii Corporation
30. The Trane Company
31. T. Arita Plumbing Company, Ltd.
32. York Corporation
33. US Air Force
34. US Army
35. US Navy – PWC
36. US Pearl Harbor Shipyard

**The Individuals Involved at Its Beginning** – Also on August 21, 1969, the Society reported to the HVAC&R community that the following individuals became ASHRAE members and were listed as the Chartered Members of the ASHRAE Hawaii Chapter:

1. David A. Akana, Jr.
2. R. Alex Anderson
3. Norman G. Baxter
4. Richard Dennis Bennington
5. Karl A. Bowman
6. Boyd Koon Chew Chee
7. Giovanni Kim Loy Chung
8. Derek R. Cockle
9. Richard C. Dearing
10. Merrill M. Ely
11. Robert B. Faus, Jr.
12. Terry P. Fitzpatrick
13. John Hathaway Gesser
14. Richard C. Harris
15. Howard D. Hole
16. Richard R. Hughes
17. Gordon F. Jacobson
18. Elmer Frederick Juneau
19. Herbert T. Kaneshiro
20. Frederick H. Kohloss
21. Charles Lamanno
22. Donald John Lashway
23. Herbert Leech
24. Raymond C.Y. Len
25. John L. Lindsey
26. Robert Muirs Meechan
27. George Y. Motonaga
28. Robert Nakata
29. Clarence Isao Nakashima
30. Herbert E. Parker
31. Tsuyoshi Onuma
32. Gilbert E. Salfen
33. S. Sheikholeslami
34. Nels L. Soderholm, Jr.
35. Lars K. Sorensen
36. George Everett Spring
37. Joseph Y. Tanaka
38. Kenneth Y. Tsujioka
39. Kenyon P. Whitney
40. Kai Fon Wong
41. Philip S. Wu

The Chapter, in turn, reported to the Society that the listed individuals were prospective members of the Hawaii Chapter:

1. William Baker
2. Fred Bonsack
3. George Honda
4. Michael Hattori
5. Clifford Jamile
6. Johnny Johnson
7. Edward K. Lee
8. John M. Ruddy
9. Lester Sen
10. David Sheldon
11. Harry L. Siegmund
12. J. Stockinger
13. John J. Weeks, Jr.
14. Walter R. Lochmiller

## NEWSLETTER

By Michael Chang

Aloha ASHRAE Hawaii Ohana,

In an effort to make this newsletter more interesting and valuable to each of you, I wanted to reemphasize the request for articles that can help educate and raise the level of the playing field for chosen our profession.

Please take a look at the following list of subjects and feel free to suggest your own.

Mahalo,  
Michael

### *Call for Articles*

Knowledge is Power

Sir Francis Bacon

We are looking for contributing writers for the following subjects:

- What you Need to Know about the State of Hawaii Mechanical and Plumbing Building Codes
- Ideas on Designing the Highest Efficiency Central Cooling Plant in Hawaii
- Best practices in Domestic Water Pumping
- Critical Items for Mechanical Maintenance and Service Contracts
- Challenges of Chilled Water Loops
- Lessons learned on the design and operation of Cooling Towers
- A Wish List to our Mechanical Engineers from your Mechanical Contractors
- Etc...

## STUDENT ACTIVITIES

by Paul Fukunaga, P.E.

Applications from the following 12 students in Professor Ting's air conditioning class were submitted for ASHRAE membership and their student membership fees were paid by the ASHRAE Hawaii chapter. A great start for the new year and we look forward to their continued membership in ASHRAE.

Kristina Bocobo

William Duck

Eric Garcia

Alan Kotomori

Jason Li

Michael Menendez

Christopher Montpas

Brandon Spalla

Randall Sparks

Matthew Tio

Joshua Weissman

Bavin Whiteaker

A complete set of current 2006 through 2009 ASHRAE Handbooks were donated by ASHRAE members Lionel Horne and Ken Richardson from Island Controls in response to our request.

If you are not using your copies of the handbooks (2001 to date) and would like to donate them to the ASHRAE student members, please contact me at 356-2454 or via email ([fukunaga@thermaleng.com](mailto:fukunaga@thermaleng.com)) to make arrangements for pickup.

With the cost of textbooks continuously increasing, the students will be able to use the valuable information from the ASHRAE Handbooks that is still applicable without additional expense.

Thanks to Lionel and Ken for their generous donation.

Paul Fukunaga

## MEMBERSHIP PROMOTION

By Mofazzal Mir

ASHRAE Hawaii Chapter is very pleased to announce upcoming October meeting as our first Membership Promotion (MP) Night for the year.

Please bring your colleague or friend who and convince them to join ASHRAE. We highly encourage our current associate members to upgrade their membership. Should you need any help, please feel free to contact with me at 521-3773 Ext. 259.

Finally I am asking help from all of our members to make the upcoming MP night a successful event in strengthening society & local chapter.

Best Regards,  
Mofazzal