

ASHRAE

Hawaii Chapter

HE EA MAKAMAE

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

SY 2010-11, Issue #8 HONOLULU, OAHU, HAWAII Mar 2011

PRESIDENT'S MESSAGE – Michael Chang

Aloha ASHRAE Ohana,

I wish that this newsletter finds you and yours safe and secure. Our hearts go out to Japan and those locally effected by recent events.

As a group we are problem solvers and adaptable to changing conditions and this showed in all the support and understanding from the Ohana with the rapid changes with this year's Technical Seminar and Product show.



The Tsunami wrinkled the well laid plans, however all involved picked up and allowed us to have a great event.

Dean has a review of the event in this newsletter and I will compile the Commissioning Round Table notes and get them to all soon.

ASHRAE participated in the Science Fair with “Agency Awards” we had the opportunity to see bright and energetic students who want to help save the world. We hope our awards encourage their efforts. We will invite them to a monthly meeting and get to see and encourage them as a group.

See you next week!

Mahalo,
Michael

Chapter Officers – Society Year 2010 to

2011

President: Michael Chang
President-Elect: Paul “Scotty” Scott
Vice President: Kevin Saito, P.E. LEED AP
Secretary: Barry Jim On, P.E.
Treasurer: Paul Fukunaga, P.E.

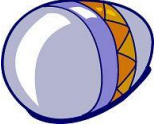
Chapter Board of Governors

Blake Araki, P.E.
Albert Hahn, P.E. (Immediate Past
President)
Donna Kishi
Scott La Beau
Bill Lee, P.E.
Dr. Melek Yalcintas, P.E.

Chapter Chairperson

Attendance and Reception: John Lau
Technology Transfer: Paul “Scotty” Scott
Programs: Blake Araki, P.E.
Government Affairs: Barry Jim On, P.E.
Refrigeration: Scott La Beau
Technology: Herman Siu
Energy Awards: Bill Lee, P.E.
Historian Joseph Ting, P.E.
Memberships Promotions: Roland Suzuki
Newsletter Editor: Kevin Saito, P.E. LEED AP
Research Promotions : Archibald Makatini
Product Show: Donna Kishi
Technical Seminar: Dean Borges
Student Activities : Alayna Shima
Young Engineers of ASHRAE: Brandon Maeda
Webmaster: Mark Yamamoto, P.E.

April 2011

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
				Chapter Meeting Student Membership Night		
17	18	19	20	21	22	23
24	25	26	27	28	29	30
				Chapter BOG Meeting		

Announcements:

- ✓ **Nominations for Energy Projects are needed (contact Bill Lee)**
- ✓ **Job Openings at Coffman Engineering, Bowers + Kubota Consulting, and Economy Plumbing and Sheetmetal (see Employment Opportunities tab on Chapter web page.)**

Next Board of Governors Meeting:

Date: 28 Apr 2011 (Thurs)
 Time: 11:30 am
 Location: 1132 Bishop Street, Suite 1800 (Hawaii Energy Offices)

Treasure Hunt!!!



The Chapter is looking for the oldest:

- *Consulting engineering firm.*
- *Installed controls system*
- *Installed AC system*
- *Longest ASHRAE membership in Society/Chapter*

Upcoming Chapter Meetings:

12 May - The Willows, 5:30pm (Research Promotion and Election Night)

9 Jun - TBA, 5:30pm (Installation Night)



Upcoming BOG Meetings:

(1132 Bishop Street, Suite 1800
Hawaii Energy Office at 11:30 am)

28 Apr 2011

26 May 2011

23 Jun 2011



NEXT CHAPTER MEETING

Date: 14 April 2011 (Thursday)

Where: The Willows Restaurant (901 Husten Street, Phone (808)952-9200)

Registration: Starts at 5:30 pm. (Contact John Lau johnlau808@gmail.com to RSVP)

Do's and Don'ts: Starts at 6:00 pm Mr. Jim Barrus (Trane Controls Sales Director)

Dinner: Starts at 7:00 pm (buffet)

Main Program: Starts at 7:30 pm Mr. George Benda ("Outdoor Air, Indoor Air Quality, and Dedicated OA Systems in Hawaii")

Adjournment: 9:00 pm

Cost: \$45 per ASHRAE member; \$50 per guest; \$55 at the door registration. (Use the PayPal button on our Chapter web site for convenient payment.)

**Student
Membership
Night**



ASHRAE Hawaii Chapter – April 2011 Program

Speaker: George Benda, CEO,
Chelsea Group, Ltd.

“Outdoor Air, Indoor Air
Quality, and Dedicated OA
Systems in Hawaii”

Conventional wisdom suggests that it is not possible to provide outdoor air ventilation to current standards in Hawaii without sacrificing all hope of meeting energy efficiency goals. The warm and humid conditions in the Islands make this a challenge, but by linking dedicated outdoor air systems (DOAS), current variable compression chiller options, variable flow primary loop CHW, VAV and demand controlled ventilation (DCV), there is no sacrifice, just a good return on investment (ROI). Learn how others have made this work so you can apply it in your designs and operations.



George Benda has committed his life to improving building performance and achieving environmental sustainability, with over 30 years of continuous work in the field. As CEO of Chelsea Group, a building sciences consulting company of national scope, he has led his team to such premier projects as working on LEED certification of World Trade Center 7, the first building on the New York City site after 9-11. Chelsea Group now provides sustainability management support to over 500 buildings encompassing over 150 million square feet of occupied space in the US. Prior to forming Chelsea Group, George was President and CEO of HEC Energy, an ESCO that served primarily health care and university buildings. Before that, George served as the director of energy programs for the State of Illinois, where he led both energy conservation and supply programs, directing a State investment in clean coal and renewable energy technology of \$70 million. And that was when a million dollars meant something. He is a graduate of Rockford College, Rockford, Illinois, and

has a Masters from the University of Chicago. He currently lives on Molokai.

Do's and Don'ts Speaker: James Barrus, CEM

Jim is Trane's Controls Sales Director for the Western United States. In this role, Jim delivers high performance building solutions to engineers, contractors, and owners that deliver a strong financial return on investment, and make their buildings more operationally and energy efficient.

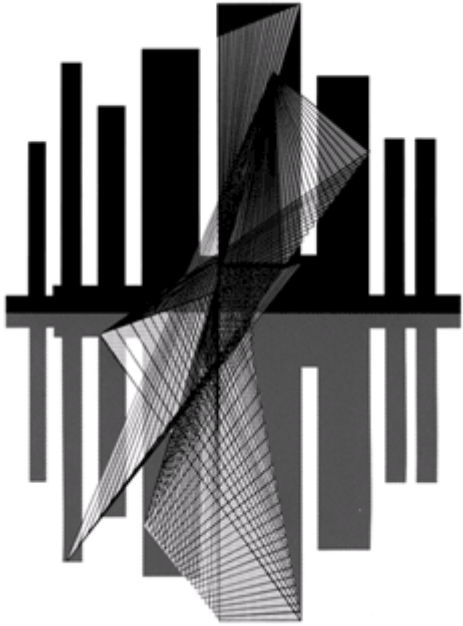


Jim has over 17 years of HVAC building automation industry experience, serving in various field and managerial operations and sales roles.

Jim earned a bachelor's of science degree from San Diego State University and is a Certified Energy Manager.

Payment can be made via PayPal at <http://hawaii.ashraechapters.org>
Otherwise, make check payable to **ASHRAE Hawaii Chapter**.

Technology Awards Program



The ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building design in the areas of occupant comfort, indoor air quality and energy conservation. Their designs incorporate ASHRAE standards for effective energy management and IAQ. Performance is proven through one year's actual, verifiable operating data.

The purpose of the ASHRAE Technology Awards program is to:

1. Recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data;
2. Communicate innovative systems designs to other ASHRAE members;
3. Highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

Each year the Society may present awards in seven categories: Commercial Buildings (New and Existing); Institutional Buildings (New and Existing); Health Care Facilities (New and Existing); Industrial Facilities or Processes (New and Existing); Public Assembly (New and Existing); Residential (New and Existing); Alternative or Renewable Energy Use.

For each category a first, second, and honorable mention winner may be named. Also, one of the category first place winners may be selected to receive the ASHRAE Award of Engineering Excellence. The recipient will have demonstrated the best overall compliance with the judging criteria. All current members of ASHRAE and its Associate

Societies may submit entries. Entrants must have had a significant role in the design or development of the project.

The 1st phase of competition is at the Chapter level, then the Regional level, and finally at the Society level.

For the Chapter level – a simple short form application is all that is needed.

Chapter entries will be due in early March 2011

Please contact Bill Lee at 687-8884 or lee@coffman.com for applications or if you know of good projects that would be applicable.





2011 TS & PS Committee Report

Despite the Great Tsunami of 2011, the Hawaii Chapter of ASHRAE conducted the Technical Seminar and Product Show at the East West Center of the University of Hawaii at Manoa campus on March 11, 2011.

Committee Members:

Dean Borges: General Chairman
Donna Kishi: Product Show, Parking Passes
Paul Scott: Food/Beverages, Meal Tickets
Paul Fukunaga: Finance
Joseph Ting: Technical Seminar
Scott LaBeau: Leis and Certificates of Appreciation
Roland Suzuki: Name Tags
Albert Hahn/Michael Chang: Transportation
Blake Araki and his staff: Registration and Parking



Attendees/Sponsors:

Technical Seminar: 9 speakers, 23 attendees, 20 no shows

Douglas Engineering (GOLD)
InSynergy Engineering (SILVER)
Trane Pacific (SILVER)

Product Show: 11 tabletops sponsored by these companies:

Engineered Systems, Inc. (PLATINUM)
Norman S. Wright (PLATINUM)
Power Protection Systems (PLATINUM)
Admor HVAC Products, Inc. (GOLD)
DMG Hawaii (GOLD)
Hawaii Energy Systems (GOLD)



Speakers:

Ron Jamagin, 2010-11 Society President Elect
Philip Smith, Alerton Controls
Jay Garbarino, P.E., Delta Controls
Michael Chang, Hawaii Energy
Keith Chan, P.E., Notkin Hawaii
Ross Sasamura, P.E., Heide & Cook Limited
Gilbert Talavera, US Army, Dept of Public Works
R.J. Ritter, Trane Pacific
Dan Kreitz, Johnson Controls Inc.
Jack Zarour, P.E., DRC Region X





persevered through difficulties and made "lemonade" from the lemons we received.

The keynote speaker, our ASHRAE President-Elect, Ron Jamagin kicked-off the event with his opening remarks by sharing with the attendees his experience as "Owner's Representative" to commission the renovation of our Society Headquarters building in Atlanta, Georgia. He was pleased that the Committee members braved through the Tsunami that hardly damaged the Island of Oahu and provided the foresight to continue with the event so as to lessen the potential liability, which could have incurred if the event would have been cancelled.



Not only did the event make a moderate gain from both the Technical Seminar and the Product Show, but this event also brought together the chapter members and their associates to learn



more about the state-of-the-arts in controls as it relates to the operation and maintenance of facilities. We would like to thank our mainland speakers, such as Ron Jarnagin, Philip Smith and Jay Garbarino, P.E. as well as the panel of local speakers including Keith Chan, P.E., Ross Sasamura, P.E., Gilbert Talavera, R.J. Ritter, Dan Kreitz and our Chapter President, Michael J. Chang, who served as the moderator for this workshop. ASHRAE Region X Director & Regional Chair, Jack Zarour, P.E. closed his remarks and sent us home with humor. He congratulated us for an excellent event and

invited us to the Chapter Regional Conference in Scottsdale, Arizona on August 25-27, 2011.

NOMINATING COMMITTEE

Election Night – May 12, 2011

In accordance with our Bylaws Article 7, the Nominating Committee has selected the members, who are eligible to hold office: one candidate for each office, and six (6) members to be elected to the Board of Governors. The Nominating Committee has also obtained from each candidate his/her consent to stand for election. The Nominating Committee is hereby presenting the slate of Officers & members of BOGs for SY 2011-12 to the Secretary as well as to the Chapter Membership the names of the candidates selected. The slate is hereby published in our March 2011 newsletter.

Note that additional nominations of members in good standing who consent orally or in writing to be candidates may be made from the floor at such meeting as per Bylaws 7.4. If at this meeting more than one such nomination from the floor is made for any one office or membership on the Board of Governors, a vote shall be taken to select the name of the opposition candidate to be placed on the ballot.

That being stated, a list of the candidates is therefore prepared for all members with voting rights prior to our May meeting. Included in this newsletter as shown below is the ballot. You may exercise your voting rights by mail or in person at the meeting. Please vote the entire slate of officers as recommended by the Nominating Committee, scan this sheet after signing and dating it, then forward it to Barry Jim On at bjimon@insynergyeng.com. Otherwise, fill-in the name of additional nominations as per Bylaws 7.4 and present them when the nomination is opened from the floor at the May 12 monthly meeting.

OFFICERS:

1. President: Paul Scott
2. President-elect: Kevin Saito, P.E.
3. Vice-President: Barry Jim On, P.E.
4. Secretary: Blake Araki, P.E.
5. Treasurer: Donna Kishi

Nomination from the floor

BOARD OF GOVERNORS:

1. Michael Chang, Immediate Past President
2. Alayna Shima
3. Mofazzal Mir, P.E.
4. Roland Suzuki
5. Scott LaBeau
6. William Lee, P.E.

I, the undersigned, do hereby vote for the slate of officers and members of the Board of Governors as presented by the Nominating Committee. Should additional candidates are nominated from the floor, I do hereby appoint my proxy, Michael Chang, current President or a good standing member, _____ who will be attending the said May 12 meeting to vote on my behalf.

MEMBER NAME / NUMBER /SIGNATURE

DATE

Student Activities Committee

Hawaii State Science Fair

On March 29, 2011, Michael Chang, Isaac Opedal and myself had the privilege of judging the 54th Hawaii State Science and Engineering Fair as agency judges for the ASHRAE Hawaii Chapter. This year, with a record number of projects entered, the fair was held at the Hawaii Convention Center.



The Chapter this year increased the total money awarded to \$1000, divided among two senior research projects and four junior research projects. This year, differing from past years, the Board decided that in lieu of handing a check to the award recipient, it would be presented to them at our monthly chapter meeting. The thought was that this would be beneficial to both the award recipients as well as our chapter members, The award recipients would have the opportunity to meet with working members of the HVAC community and the Chapter members would be able to meet with up and coming (hopefully) members of the HVAC community.

We focused on judging projects related to our industry. These included projects about insulation, renewable energy and LEED. Participants were judged not only on topic, but also on how the research was carried out and on oral presentation. For many participants, this was a continuation of a project from the previous year and many had the desire to also carry on with the research.

Although it was difficult, in the end we narrowed down the field to the following award recipients:

- 1) Senior Research (\$250): Pooja Nuti – The Effect of LEED Certified Roofs; Green Roofs and Reflective White Paint Coated Roofs on Temperature Reduction Within Structures
- 2) Senior Research (\$250): Janelle You – Oscillating Water Column
- 3) Junior Research (\$165): Kayla Ishida – Bioenergy: Green Energy

- 4) Junior Research (\$165): Matthew Barrett – How Can You Beat Heat in Your Home?
- 5) Junior Research (\$85): Elijah Ko – Do Small Waves or Large Waves Produce More Energy in a Home Made Floating Generator
- 6) Junior Research (\$85): Airica Hayasaka – Beat Home Heat!

These award recipients and their parents will be invited to an upcoming chapter meeting to be presented with their awards. It should be a rewarding experience for all involved.

Chapter Technology Transfer

Please feel free to contact me
ESIKAILUA@aol.com if you have any issues
pertaining to chapter programs, technology,
energy, refrigeration and governmental affairs
that need my attention immediately. **Otherwise,**
contact the following chairperson for the various sub-committees:



1. Chapter Programs Chair Blake Araki - blakea@hawaii.edu
2. Technology Chair Herman Siu - hsiu@trane.com
3. Energy Awards Chair William Lee – leeb@coffman.com
4. Refrigeration Chair Scott LaBeau - scott.labeau@dmghvac.com
5. Governmental Affairs Chair Barry Jim On -
bjimon@insynergyeng.com

Let us know if you have any technical subjects that we should consider for
our monthly meetings.

Mahalo. *Scotty.*
