



# **ASHRAE Region X CRC 2008 Chapter Summary Report**

Chapter Name: HAWAII

Chapter #108

Chapter Web Address:

[www.ashraehawaii.org](http://www.ashraehawaii.org)



# Chapter Name: Hawaii

## Membership Promotion – Min Zhong, P.E.

	YTD Reported 2007/08	Reported 2006/07	Reported 2005/06
Area Assigned Members (AAM)	228	230	226
Chapter Dues Paying Members	148	95	197
New Members	15	32	25
Delinquent Members	27	116	45



# ASHRAE

Engineering for the World We Live In

## Chapter Name: Hawaii

### Highlights of Membership Promotion

- We had several membership promotions events in which current members were encouraged to bring potential new members in the industry that may have an interest in becoming an ASHRAE member.
- On membership promotion events, sign up forms and folders with membership forms were available.
- Prospective members that signed up during a membership promotion event received movie tickets.
- Current members that brought in prospective members received a a free meal coupon that they can use at an ASHRAE meeting
- New members were introduced at the meetings and were greeted warmly
- New members were encouraged to participate in ASHRAE events and to come out to monthly meetings
- We had 15 new members for the year.



# Chapter Name: Hawaii

## Student Activities – Joseph Ting, P.E.

	YTD Reported 2007/08	Reported 2006/07	Reported 2005/06
Number of New Student Members	33	16	31
Number of Active Student Branches	2	1	1
Did you hold a student night?	Yes	Yes	Yes



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### Highlights of Student Activities

- The Highlight of this year was the chartering of a new student branch at Honolulu Community college (HCC). Also, a technical seminar was held on March 11<sup>th</sup> at the college specifically for the students. ASHRAE members Ken Richardson, Rick Schnarr and Marites Calad were the presenters.
- We had two student nights. Due to schedule conflicts, limited students were able to attend our luncheon meeting.
- The University of Hawaii at Manoa (UHM) had the HVAC course taught by Professor Ting. Served as the co-student advisor to UMH student branch, Prof. Ting led a delegation of six students to the ASHRAE Winter Meeting in New York City. He also organized the UHM & HCC student branches to tour the University of Hawaii, John A, Burns School of Medicine's seawater cooling facility at Kaka'ako Beach.
- Once again, ASHRAE Hawaii sponsored more than 6 cash awards at the 50<sup>th</sup> Hawaii State Science and Engineering Fair. As usual, the projects of our youth were very exciting and impressive. Two chapter members, Paul Fukunaga and Phil Townsend were selected to serve as judges at this event held on April 1<sup>st</sup>.



# Chapter Name: Hawaii

Chapter Technical Transfer – Albert Hahn, P.E.

	YTD Reported 2007/08	Reported 2006/07	Reported 2005/04
Number of Chapter Technology Awards	0	0	0
Number of Refrigeration Presentations	0	0	1
Government Activities or interface?	2	1	0



# Chapter Name: Hawaii

## Chapter Technical Transfer

### Highlights – Technical Programs

The following technical programs were held during our regular monthly meetings: (These were all related to Energy)

- ASHRAE's Sustainable Design and High Performance Buildings
- Sustainable Saunders (University of Hawaii)
- Radiant Cooling:
- Renewable Energy Products;
- The Basics of Pumping;
- Sustainable Design Tools Workshop Series, Commissioning and LEED
- BOMA Energy Efficiency Program:



# **Chapter Name: Hawaii**

## **Chapter Technical Transfer**

Highlights: Governmental Affairs

### **State of Hawaii Energy Division:**

- Sam Gillie served as ASHRAE Hawaii's member on a State of Hawaii Code Council - Investigative Committee for the adoption of the ICC International Energy Conservation Code 2006
- Commissioning and LEED Seminar: Co-Sponsor with State Energy Division



# Chapter Name: Hawaii

## Chapter Program Activities

	YTD Reported 2007/08	Reported 2006/07	Reported 2005/06
Number of Chapter Technical Sessions, Technical Seminars, Programs or Tours	8	8	7
Number of Social Events (i.e. Golf, Spouse Events, Etc.)	3	3	2
Chapter Monthly Meeting Attendance	39	50	40



# ASHRAE

Engineering for the World We Live In

## Chapter Name: Hawaii

### Chapter Program Activities

#### Highlights

**September 13, 2007 - Topic: ASHRAE's major initiative for Sustainable Design and High Performance Buildings** Speaker: Sam Gillie PE Senior Technical Engineer – Hawaiian Electric Company – ASHRAE Hawaii President. Sam talked about ASHRAE's initiative launched last year. Since HVAC accounts for 40 to 60 percent of the energy using in commercial and residential buildings ASHRAE must plan a major role in sustainability. Sam talked in particular about the difference between Sustainable Development and Sustainable Growth and why you can have one but not the other.

**October 11th, 2007 – Topic: “Sustainable Saunders”** Speaker: Ms. Shanah Trevenna Sustainable Council, University of Hawaii; Ms. Trevenna is coordinating a program at the UH called Sustainable Saunders, which is a building on the UH campus. The program goal is use to sustainable technologies to reduce the building's energy usage by over 30%, so the building can be a model for the campus, Hawaii and even the Nation and the World.

**November 8th, 2007 – Topic: Radiant Cooling:** Speaker: Bernie Hesmert, JSA Sales Inc., Coquitlam, British Columbia, Canada; Mr. Hesmert give a technical presentation on the principles of Radiant Cooling and why it can provide energy savings of 20% by using radiant cooling, which cools the building directly (vs. indirectly via air) with chilled water systems in the walls, floors and ceiling.



# ASHRAE

Engineering for the World We Live In

## Chapter Name: Hawaii

### Chapter Program Activities

#### Highlights (continued)

#### **January 1th, 2007 Topic: Renewable Energy Products;**

**Speaker: Mr. Ryan McCauley**, General Manager Hoku Scientific, Inc. Mr. McCauley talked about their and industry efforts to develop materials (Polysilican0 for photovoltaic solar panels and hydrocarbon-based membranes for proton exchange membrane fuel cells.

#### **February 8th, 2008 – Student Night Topics: Brew Your Own Beer (BYOB);**

**Speaker: Mr. Dave Campbell Brewmaster**, Sam Choy's Micro Brewery; The meeting was devoted to meeting with students from the University of Hawaii and the newly formed Student Branch at Honolulu Community College. The process of home brewing beer was demonstrated. All students were verified to be of age (21 yrs old) for the beer sampling.



# ASHRAE

Engineering for the World We Live In

## Chapter Name: Hawaii

### Chapter Program Activities

#### Highlights (continued)

##### **March 15<sup>th</sup>, 2008- Topic – The Basics of Pumping;**

**Speaker: Mr. Hank Gellert President, The Gellert Company;** Mr. Gellert's presentation on the basics of pumps started with the pump curve and show how to find the pump head, RPM, horsepower and Net Positive Suction Head, explaining them all in easy to understand terms. Then he provided simple ways to trouble shoot a pump using pressure gages and an amp meter to determine where the pump is performing on the pump curve.

##### **April 4<sup>th</sup>, 2008 -Sustainable Design Tools Workshop Series, Commissioning and LEED**

This one day seminar was jointly presented by the State of Hawaii, Hawaiian Electric Company, Inc., Rebuild Hawaii and ASHRAE Hawaii. It was attended by over a hundred people. Three speaker's presentations provided a comprehensive coverage of Commissioning. Tim Jacoby, VP Plant Operations for Rady Children's Hospital provided the practical hands on experience of using commissioning. Frank Shadpour, ASHRAE distinguished lecturer, presented a number of case studies and talked about recommissioning, George Benda closed the seminar talking about the specific requirements for LEED commissioning and more examples from his experience on a number of mainland projects.



# Chapter Name: Hawaii

## Research Promotion – Michael Chang

	YTD Reported 2007/08	Reported 2006/07	Reported 2005/06
Chapter Goal	\$14,000	\$7,000	\$11,164
Dollars Collected	\$2,300	\$63,062	\$2,555
Dollars / AAM	\$10.18	\$279.04	\$8.40



# Chapter Name: Hawaii

## Research Promotion

### Highlights

- Chapter Full Circle Award –
- Golf Tournament
- Promoted RP at Each Meeting
- Chapter will make a lump sum contribution based on chapter activities



# Chapter Name: Hawaii

## Chapter History –

	YTD Reported 2007/08	Reported 2006/07	Reported 2005/06
Chapter Historical Display at CRC	0	0	1
Chapter History on Website	1	0	2



# Chapter Name: Hawaii

## Chapter History

### Highlights

- Last year, our chapter had the misfortune of losing **Lester Nakata**, one of our most favorite and staunch supporters of ASHRAE. A memorial fund has been established with ASHRAE Foundation in Lester's name and our membership has been encouraged to contribute to this fund.
- This year, we took 10 minutes during our meetings for a **Senior Moment**. We invited past Presidents, Life Members or a senior members to tell us about their career experiences and ASHRAE. A synopsis of their talk was published on our WEB Site. This was a great way to hear old stories not heard in 20 and 30 years.



# Chapter Name: Hawaii

## Finances – Tyson Toyama, P.E.

	YTD Reported 2007/08	Reported 2006/07	Reported 2005/06
Total Fund Balance (Revised)	\$49,500	\$53,278	\$49,037
Chapter Dues	\$20.00	\$20.00	\$20.00
Members' Cost of Meals	\$30.00	\$25.00	\$25.00
Date of Last Chapter Audit	This Year		



# Chapter Name: Hawaii

## Finances – Tyson Toyama, P.E.

- This year, we reviewed and clarified our Chapter Finances and filed our IRS forms for the first time.
- We held our meetings during lunch & dinner and found a slight decline in attendance as compared to the previous year. We did raise the price from \$25 to \$30 after keeping the price at \$25 for over 10 years.
- There is a lunch crowd, a dinner crowd and another crowd that attend either lunch and dinner meetings.



# Chapter Name: Hawaii

## Chapter Summary

### Highlights

- Updated the Chapter's Constitution and By-Laws for the first time in over 10 years.
- Joseph Ting established a **2<sup>nd</sup> Student Branch at Honolulu Community College**
- Min Zhong developed **our first Electronic Roster in PDF format** that is fully searchable for members, vendors and HVAC products



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## Chapter Summary

### Highlights

- The 25<sup>th</sup> Annual Golf Tournament was held on April 16, 2008 and as with every year, the event was “sold out”. There were 40-teams of 4 members for a total of 160 participants. Sam Fujikawa, a Past President has done this tournament for all of the last 25 years.
- Our Xmas Party in December was held at Dave & Busters. It was well attended. We again had Santa, Eric Nakagawa, who is always happy to greet the younger children. With the arcade games, this was a good venue for the older children.



# Chapter Name: Hawaii

## My Chapter's Best Practices

- Scheduled Membership meetings in the beginning of the year.
- Support of the Student Branches at UHM & HCC
- Continued to accommodate the membership with monthly meetings both at dinner and lunch at a centralized location.
- Promoted ASHRAE Hawaii Chapter events via e-mail and our WEB Site
- Membership and Student Nights were well attended and supported by members and sponsors.
- Sustainability was a continuing theme for all meetings
- Installation Banquet, Christmas Party, Golf Tournament and Technical Seminars were well organized.