

ASHRAE Hawaii

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.



Membership Roster
Hawaii Chapter
2008 ~ 2009

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President's Message

Aloha Fellow Members & Friends of Hawaii Chapter:

The Board of Governors is pleased to announce the release of the 2009 Chapter Roster to our membership.

The roster is provided in PDF format, so that it's easier to search. You can access our chapter website <http://hawaii.ashraechapters.org> and skim through the pages to find your contact persons or companies. Click on their email addresses and send them an email. This roster also features a section for the vendors, contractors and consultants complete with links to their respective websites. To obtain a hard copy of the roster for your use, you can readily print the PDF file off our website.

Note that this password-protected roster is available at our website and is distributed primarily to our ASHRAE Hawaii Chapter members ONLY. Because the information is in electronic format, please use it with care and don't copy for further distributions.

The roster is among one of the many tasks, which the Chapter Membership Promotion Committee have contributed. Our Committee Chairperson, Min Zhong took the initiative about a year ago in compiling this electronic roster. She continued to maintain and update the information provided by members via Society's database. Efforts were made to contact all members to diligently verify their information.

On behalf of the Chapter, we thank the vendors, contractors and consultants for their continuous supports with their advertisements. Their generous donations should help to defray some expenses for our chapter operations.

Please continue to verify your information to ensure that our roster is updated. Kindly inform Min if there should be any changes to your contact information.

Best regards,

Joseph K. Ting, P.E.

2008-09 Chapter President

Officers, Board of Governors, Committee Chairs

Officers:

President: Joseph Ting, P.E.
President – Elect: Albert Hahn, P.E.
Vice President: Dicson Aggabao
Treasurer: Michael Chang
Secretary: Tyson Toyama, P.E.

Governors

Past President: Samuel Gillie, P.E.
Barry Jim-On, P.E.
Eric Nakagawa, P.E.
Ken Richardson
Rick Schnarr

Committee Chair

Attendance: Mofazzal Mir
Chapter Programs: Kevin Saito, P.E.
Communication: Gene Albano
CRC Action : Joseph Ting, P.E.
CTTC: Albert Hahn, P.E.
H&A: Sam Gillie, P.E.
Golf Tournament: Sam Fujikawa, P.E.
Long Range Planning: Robert Hann

Research Promotion: Marites Calad
Student Activities: Paul Fukunaga, P.E.
Member Promotion: Min Zhong, P.E.
History Chair: Harendra Panalal, P.E.
Refrigeration: Eric Nakagawa, P.E.
Technical Seminar: Barry Jim-On, P.E.
Chapter Webmaster: Dicson Aggabao
YEA: Alayna Shima

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Past Presidents

2007 ~ 2008	Samuel F. Gillie, P.E.	1987 ~ 1988	Kevin Y.F. Chong
2006 ~ 2007	Marites Calad	1986 ~ 1987	Richard A. Rauls, P.E.
2005 ~ 2006	Ross R. Tanaka, P.E.	1985 ~ 1986	Cedric D. O. Chong, P.E.
2004 ~ 2005	Victor L. Russell, P.E.	1984 ~ 1985	John L. Arizumi, P.E.
2003 ~ 2004	Michael A. Chong, P.E.	1983 ~ 1984	Franklin Y. S. Lum, P.E.
2002 ~ 2003	Kenneth J. Richardson	1982 ~ 1983	George B. Hamilton
2001 ~ 2002	David G. Waller, P.E.	1981 ~ 1982	Robert Seelman
2000 ~ 2001	Thomas W. Moody	1980 ~ 1981	Robert S. Hann
1999 ~ 2000	Rolf A. Klein	1979 ~ 1980	Boyd K. C. Chee, P.E.
1998 ~ 1999	Wesley T. Nakaguchi, P.E.	1978 ~ 1979	Giovanni Chung, P.E.
1997 ~ 1998	Steve Nakagawa, P.E.	1977 ~ 1978	Richard C. Dearing
1996 ~ 1997	Joel P. Yuen, P.E.	1976 ~ 1977	Lester Y. M. Sen, P.E.
1995 ~ 1996	Michael P. Capllonch, P.E.	1975 ~ 1976	John L. Gesser
1994 ~ 1995	Mark K. Suzuki	1974 ~ 1975	John L. Lindsay
1993 ~ 1994	Eric S. Nakagawa, P.E.	1973 ~ 1974	Nels Soderholm, Jr., P.E.
1992 ~ 1993	Robert L. Pascua	1972 ~ 1973	George Y. Motonaga, P.E.
1991 ~ 1992	Lester T Nakata	1971 ~ 1972	Karl A. Bowman
1990 ~ 1991	James A. Gough, P.E.	1970 ~ 1971	Richard R. Hughes, P.E.
1989 ~ 1990	Frederick H. Kohloss, P.E.	1969 ~ 1970	Robert E. Hamilton, P.E.
1988 ~ 1989	Samuel T. Fujikawa		

Member of the Year

2007 ~ 2008	Min Zhong	1995 ~ 1996	Alan Lloyd
2006 ~ 2007	Joseph Ting	1994 ~ 1995	Alex M. P. Tang
2004 ~ 2005	Ken Richardson	1993 ~ 1994	Lester T. Nakata
2003 ~ 2004	Samuel T. Fujikawa	1992 ~ 1993	Maria Tome
2002 ~ 2003	Samuel F. Gillie	1991 ~ 1992	Boyd K.C. Chee
2001 ~ 2002	Thomas D. Van Liew	1990 ~ 1991	John H. Gesser
1999 ~ 2000	Alex M. P. Tang	1989 ~ 1990	Samuel T. Fujikawa
1997 ~ 1998	Scott Inatsuka	1988 ~ 1989	Richard C. Dearing
1996 ~ 1997	Mark Suzuki	1987 ~ 1988	Frederick H. Kohloss

Chapter Life Members

Chee, Boyd, PE	Life Member
Cheski, Richard	Life Member
De Smet, Raymond	Life Member
Gesser, John	Life Member
Gough, James	Life Member
Hann, Robert	Life Member
Ikenaga, Herbert	Life Member
Knepper, Samuel	Life Member
Lashway, Donald	Life Member
Lloyd, Alan	Fellow Member
Mita, Walter	Life Member
Miyashiro, Malcolm	Life Member
Motonaga, George	Life Member
Olson, William	Life Member
Panalal, Harendra	Life Member
Popov Theodore	Life Member
Rauls, Richard	Life Member
Saito, Elbert	Life Member
Thom, Kenneth	Life Member

2008 ~ 2009 Meeting Schedule

September 11st – Membership Promotion Meeting

Main Program: Crossfire Discussion on “Design Assist, Design Build or Plans & Specs” Project - Charles Kaneshiro (Group 70), Keith Chan (Notkin Hawaii Inc.), Clark Morgan (Alaka'i), Marites Calad (Norman S. Wright)

Technical Session: "Do & Don't" VFD Design - Rick Schnarr (Trane)

October 9th – Research Promotion Meeting

Main Program: State of Hawaii’s Energy Savings Performance Contract - Russ Saito (DAGS)

"Do & Don't" Technical Session: The DO & DON'T For Today’s Control System - Kenneth Richardson (Island Control Inc.)

November 13rd – Student Night Meeting:

Main Program: A New Energy Code for Hawaii - Howard C. Wiig (DBEDT)

Technical Session: The DO & DON'T For Mechanical System Layout - David Campbell (Anvil International)

December 11st - Past President Night, and Christmas Party

Main Program: InSynchronization of MEP Engineering in D&C - David G. Waller (HECO), Paul Fukunaga (Thermal Engineering Cor.), Ross Okuda (Mechanical Enterprise Inc.), Rick Moss (Moss Engineering Inc.)

January 8th – Membership Promotion Meeting

Main Program: Sustainable Tech – Plastic-to-Oil Conversion - Terri Sasaki

"Do & Don't" Technical Session: DO & DON'T of Specifying Life & Safety Devices - Chris Schartz (HVAC Ruskin Manufacturing)

February 27th – Technical Seminar & Product Show

Technical Seminar:

- Commissioning for Sustainability & Maintainability - Byan Welsh (Welsh Cx Group, Inc.).
- The Integration of Commissioning in Bldg Operations & Maintenance - Peter Keithly (Keithly Barber & Associated Inc.)
- Owning & Maintaining Facilities in State-Owned University - Dean Borges (Sustainable Energy Development Associates)
- Shaving Kill-a-Watts and Maintaining Team - John White (ABM Industries Inc.)
- Best Practices for Sustaining High Performance in Chiller Plants - Mike Thompson (Trane)
- Fan Coil Units - Maintenance and Applications - Ron Porter (International Environmental Corporation)
- Honolulu's Seawater Cools Downtown - Frederic Berg (Honolulu Seawater Air Conditioning LLC)

Product Show:

- ACS Supply
- Admor HVAC
- Air Reps Hawaii
- Air Treatment Corp.
- The Bathroom Store
- Belimo
- Baxter Rutherford
- Chicago Faucets
- Clothier & Rose
- The Gas Company
- DMG Hawaii
- Engineered Systems
- Heide & Cook
- Island Controls
- Johnson Controls
- Mitsubishi
- NEBB
- Norman S. Wright

- Schauf & Co.
- Suntech
- Thermacor Process
- Trane
- Victaulic

March 12nd – Student Night Meeting

Main Program: Compliance with Standard 90.1 & LEED - Barry Jim On, P.E. (InSynergy Engineering Inc.)
 Technical Session: DO & DON'T of Embracing New Plumbing Technologies - David Lord (JM Sales)

April 3rd – 26th Annual Golf Tournament - Pearl Country Club.

April 9th – Student & YEA Night Meeting

Main Program: Back-to-the-Basic: Psychrometrics & Its Applications - Kevin Saito, P.E. (Trane)
 Technical Session: TAB DO & DON'T - Curtis Worley (TABCO)

May 14th - Research Promotion Night

Main Program: Successful Control ProjectsWhy so Hard? - Jay Santos (Dynamic Facilities, Inc.)
 Technical Session: DO & DON'T for Improving Energy Efficiency Using Modern Thermostat -
 Technology for New and Retrofit Applications - Marcia Christiansen (PECO Automation & Controls)

June 12 - Social Evening - Membership Night

Main Program: Installation of Officers Night - Induction of new officers & Board of Governors
 Prep Session: Fun evening at The Willows - "Just Like Vegas"

ASHRAE Hawaii Chapter Member List

IS YOUR LISTING CORRECT?

Keep your data current. Visit www.ashrae.org. Enter your membership number and pin, Log-in, click on address and grade changes, then enter the correct data. Or email Min Zhong at zminbao@yahoo.com. It's that simple!

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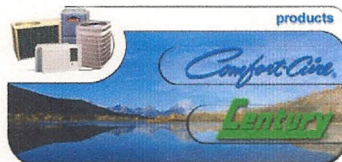
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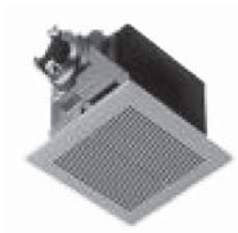
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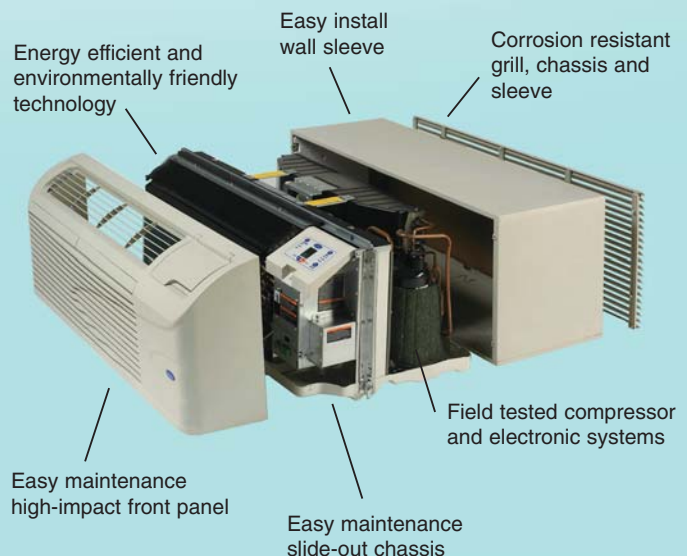


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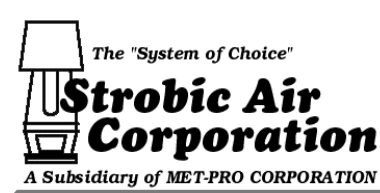
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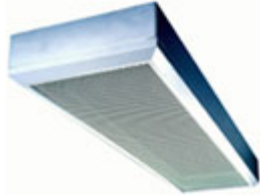
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HURST BOILER	hot water & steam boilers
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PELLERIN MILNOR	laundry washer – extractors
PENN SEPARATOR	blowdown systems & silencers
SPIRAX/SARCO	steam traps & regulators, instantaneous hot water
SUSSMAN	electric boilers
TRAMONT DAY TANKS	fuel oil day-tanks
UNILUX BOILER	hot water & steam boilers
VAN PACKER	stacks & engine exhausts
WEBSTER BURNER	gas & oil burners
WINTERS GAUGES	pressure & temperature gauge

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Appendix 1: ASHRAE Hawaii Chapter - Information Questionnaires



2008-09 ASHRAE Hawaii Chapter (#108) - Chapter Information Questionnaires (CIQ Updated 3/14/09)

Meeting Location: The Willows, 901 Hausten St, Honolulu HI 96826; Phone: (808)952-9200; Website: www.willowhawaii.com

Meeting Dates: 9/11/08, 10/9/08, 11/13/08, 12/11/08, 1/8/09, 2/27/09 (TS & PS - East West Center), 3/12/09, 4/9/09, 5/14/09 & 6/11/09

OFFICERS AND BOARD OF GOVERNORS

Full Name	Member ID	Position	Start Date	End Date	Company	Address	City State Zip	Phone	Fax	Email
Joseph K Ting, PE	744105	President	7/1/2008	6/30/2009	InSynergy Engineering Inc	P.O. Box 1236	Honolulu HI 96807-1236	(808)521-3773	(808)521-3993	ting002@hawaii.rr.com
Albert Hahn, PE	5223599	President Elect	7/1/2008	6/30/2009	Douglas Engineering	55 Merchant Street #2501	Honolulu, HI 96813	(808)524-2434	(808)528-4228	ahahn@douglasengineering.com
Dicson Aggabao	8043190	Vice President	7/1/2008	6/30/2009	Carrier Hawaii	91-1023 Holi St	Kapolei, HI 96707-1935	(808)792-1730	(808)671-6241	daggabao@carrierhawaii.com
Tyson Toyama, PE	5148999	Secretary	7/1/2008	6/30/2009	Okahara & Associates	677 Ala Moana Blvd Ste 703	Honolulu, HI 96813-5415	(808)524-1224	(808)521-3151	ttoyama@okahara.com
Michael Chang	8104155	Treasurer	7/1/2008	6/30/2009	Johnson Controls Inc.	47-785 Ahuimanu Road	Kaneohe, HI 96744	(808)543-5400	(808)590-2292	michael.j.chang@ci.com
Samuel Gillie, PE	5133017	Board of Governors	7/1/2008	6/30/2009	Hawaiian Electric Co	935 Ainapo St	Honolulu, HI 96825	(808)543-4739	(808)203-1335	sam.gillie@heco.com
Barry Jim On, PE	5052095	Board of Governors	7/1/2008	6/30/2009	InSynergy Engineering Inc.	828 Fort St Mall #500	Honolulu, HI 96813-4321	(808)521-3773	(808)521-3993	bjimon@insynergeng.com
Eric Nakagawa, PE	2026992	Board of Governors	7/1/2008	6/30/2009	Randolph H Murayama & Assoc	1267 Young St	Honolulu, HI 96814-1913	(808)593-9360	(808)591-9362	rma-eric@hawaii.rr.com
Kenneth Richardson	615830	Board of Governors	7/1/2008	6/30/2009	Island Controls Inc	685 Kealahou St	Honolulu, HI 96825-2907	(808)421-1600	(808)421-1622	ken@islandcontrols.com
Rick Schnarr	5091773	Board of Governors	7/1/2008	6/30/2009	Trane Pacific	330 Sand Island Access Road	Honolulu, HI 96819-2269	(808)845-6662	(808)845-2168	rischnarr@trane.com

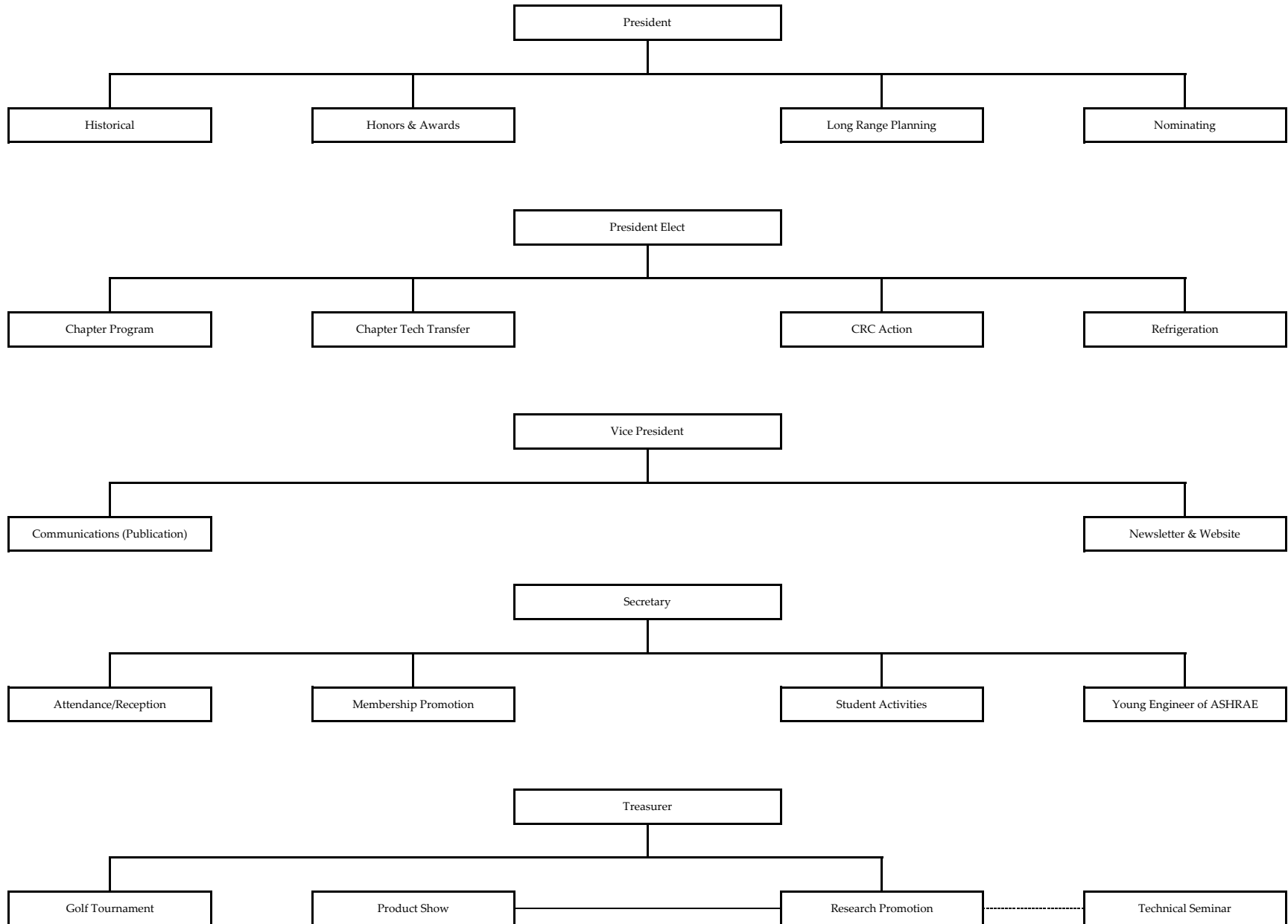
COMMITTEE CHAIRS

Full Name	Member ID	Position	Start Date	End Date	Company	Address	City State Zip	Phone	Fax	Email
Mofazzal Mir	8085908	Attendance/Reception Chairman	7/1/2008	6/30/2009	InSynergy Engineering Inc	828 Fort St Mall #500	Honolulu, HI 96813-4321	(808)521-3773	(808)521-3993	mmir@insynergeng.com
Albert Hahn, PE	5223599	Chapter Tech Transfer, Chair	7/1/2008	6/30/2009	Douglas Engineering	55 Merchant Street #2501	Honolulu, HI 96813	(808)524-2434	(808)528-4228	ahahn@douglasengineering.com
Kevin Saito, PE	2036756	Chapter Program Chairman	7/1/2008	6/30/2009	Trane Pacific	330 Sand Island Access Road	Honolulu, HI 96819-2269	(808)845-6662	(808)845-2168	kevin.saito@trane.com
Gene Albano, P.E.	8112714	Communications (Publicity) Chairman	7/1/2008	6/30/2009	Lincolne Scott	1132 Bishop St Ste 1850	Honolulu, HI 96813-2829	(808)599-3403	(808)537-5829	gene.albano@lincolnescott.com
Joseph K Ting, PE	744105	CRC Action Chairman/Delegate	7/1/2008	6/30/2009	InSynergy Engineering Inc	P.O. Box 1236	Honolulu HI 96807-1236	(808)521-3773	(808)521-3993	ting002@hawaii.rr.com
Samuel Fujikawa, PE	244917	Golf Tournament Chairman	7/1/2008	6/30/2009	Continental Mechanical	2146 Puuhale Place	Honolulu, HI 96819-3235	(808)846-4228	(808)846-4218	fujikawasam@contmech.com
Harendra Panalal, PE	559764	Historian	7/1/2008	6/30/2009	Dorvin D. Leis Co., Inc.	2265 Hoonee Place	Honolulu, HI 96819	(808)792-0455	(808)847-1991	henryp@leisinc.com
Samuel Gillie, PE	5133017	Honors & Awards Chairman	7/1/2008	6/30/2009	Hawaiian Electric Co	935 Ainapo St	Honolulu, HI 96825	(808)543-4739	(808)203-1335	sam.gillie@heco.com
Robert Hann	297540	Long Range Planning Chairman	7/1/2008	6/30/2009	Trane Pacific	330 Sand Island Access Road	Honolulu, HI 96819-2269	(808)845-6662	(808)845-2168	rshann@trane.com
Min Zhong, PE	8049206	Membership Promotion Chairman	7/1/2008	6/30/2009	InSynergy Engineering Inc	828 Fort St Mall #500	Honolulu, HI 96813-4321	(808)521-3773	(808)521-3993	mzhong@insynergeng.com
Dicson Aggabao	8043190	Newsletter Editor & Webmaster	7/1/2008	6/30/2009	Carrier Hawaii	91-1023 Holi St	Kapolei, HI 96707-1935	(808)792-1730	(808)671-6241	daggabao@carrierhawaii.com
Kenneth Richardson	615830	Product Show Co-Chairman	7/1/2008	6/30/2009	Island Controls Inc	685 Kealahou St	Honolulu, HI 96825-2907	(808)421-1600	(808)421-1622	ken@islandcontrols.com
Rick Schnarr	5091773	Product Show Co-Chairman	7/1/2008	6/30/2009	Trane Pacific	330 Sand Island Access Road	Honolulu, HI 96819-2269	(808)845-6662	(808)845-2168	rischnarr@trane.com
Eric Nakagawa, PE	2026992	Refrigeration Chairman	7/1/2008	6/30/2009	Randolph H Murayama & Assoc	1267 Young St	Honolulu, HI 96814-1913	(808)593-9360	(808)591-9362	rma-eric@hawaii.rr.com
Marites Calad	5157017	Research Promotion Chairman	7/1/2008	6/30/2009	Norman S Wright	94-449 Koaki St	Waipahu, HI 96797-2875	(808)678-3911	(808)678-3921	mcalad@norman-wright.com
Paul Fukunaga, PE	2049093	Student Activities Co-Chm	7/1/2008	6/30/2009	Thermal Engineering Corp	512 Kalihi St	Honolulu, HI 96819-3267	(808)848-6966	(808)848-6964	fukunaga@thermaleng.com
Barry Jim On, PE	5052095	Technical Seminar Chairman	7/1/2008	6/30/2009	InSynergy Engineering Inc.	828 Fort St Mall #500	Honolulu, HI 96813-4321	(808)521-3773	(808)521-3993	bjimon@insynergeng.com
Alayna Shima	8081472	Young Engineer of ASHRAE Chairman	7/1/2008	6/30/2009	Katayama & Associates	660 Ala Moana Blvd #204	Honolulu, HI 96813	(808)521-5086		alayna@katayama-assoc.com

Appendix 2: ASHRAE Hawaii Chapter - Organizational Chart

2008-09 ASHRAE HAWAII CHAPTER - ORGANIZATIONAL CHART

Revised 7/1/08



Appendix 3: ASHRAE Hawaii Chapter Bylaws

**BYLAWS OF THE
HAWAII CHAPTER
OF THE
AMERICAN SOCIETY OF HEATING, REFRIGERATING
AND AIR-CONDITIONING ENGINEERS, INC.**

APPROVED BY THE SOCIETY: Pending

ARTICLE I – GOVERNMENT

1.1 Governing Instruments. The Hawaii Chapter (herein “Chapter”) of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (herein “Society”) shall be governed by its Constitution and these Bylaws, to the extent not inconsistent with the Certificate of Consolidation, Bylaws, and Rules of the Board of Directors of the Society.

1.2 Interpretation. The Board of Governors shall resolve all questions of interpretation of the Constitution and these Bylaws.

1.3 Rules of Order. Except as otherwise provided in the Constitution or these Bylaws, the conduct of meetings of the members shall be governed by the rules of procedure set forth in “Robert’s Rules of Order Newly Revised”.

ARTICLE II – MEMBERSHIP

2.1 Qualification. The membership of the Chapter shall consist of all members of the Society in good standing and residing in the geographic area of the Chapter, as prescribed by the Board of Directors of the Society, who have properly joined the Chapter.

2.2 Non-Residents. Notwithstanding the foregoing, a member of the Society residing in the geographic area of a Chapter may elect to be a member of another Chapter. A member may elect to belong to more than one Chapter.

2.3 Grade. Each member shall hold the same grade of membership in the Chapter as in the Society.

2.4 Rights and Privileges. All Chapter members shall be entitled to the same rights and privileges, except that (a) Affiliates, (b) Student Members, and (c) members who have not paid Chapter fees, dues, assessments or other charges within sixty (60) days of their due date shall not be entitled to voting privileges or the right to election or appointment as an officer, governor, or committee chair of the Chapter. All rights and privileges of a member are vested solely in the member and may not be delegated or transferred, except as provided in Article III, paragraph 3.7 hereof.

2.5 Suspension. In the event that a member does not pay all the Chapter fees, dues, assessments or other charges within six (6) months of their due date, all rights and privileges of membership in the Chapter shall be suspended. Such membership rights and privileges shall be restored to the member upon full payment thereof. Delinquency in payment of Chapter dues or other Chapter charges will not affect a member’s standing in the Society.

2.6 Termination. Membership in the Chapter shall terminate upon the death of any member, the removal of a member's principal place of residence to the geographic area of another Chapter except as provided in Article II, paragraph 2.2 hereof, or the receipt of written notice by the member of termination of membership. In the event of such termination, neither the former member, nor his/her personal representatives, heirs or devisees shall have any right, title or interest in the Chapter or its assets.

2.7 Expulsion. A member may be expelled from the Society and the Chapter only upon action taken by the Board of Directors of the Society. Such action may be initiated by the Board of Governors of the Chapter by the filing of written charges and supporting evidence with the Secretary of the Society.

ARTICLE III - MEETINGS OF MEMBERS

3.1 Regular Meetings. Meetings of the Chapter shall be held on at least a monthly basis from September through May or June at such time and place as is prescribed by the Board of Governors.

3.2 Annual Meeting. The annual meeting of the Chapter for the installation of officers and the Board of Governors and the announcement of committee appointments shall be held in the month of May or June at such time and place as is prescribed by the Board of Governors.

3.3 Special Meetings. Special meetings of the Chapter may be called by the President at the President's discretion, or at the request of the Board of Governors or 15 percent of the members with voting rights.

3.4 Notice of Meetings. Timely written notice of all meetings shall be sent by the Secretary to all members setting forth the place, date and hour of the meeting and, in the case of a special meeting, the purpose thereof.

3.5 Quorum. A quorum for the transaction of business at a meeting of the Chapter shall consist of 15 percent of the members having voting rights, except that no business may be transacted unless a majority of the Board of Governors is also in attendance.

3.6 Majority Vote. A majority of the number of votes cast in person or by proxy shall be necessary for the adoption of any matter, except as otherwise provided in the Constitution or these Bylaws.

3.7 Proxies. A member may vote on any matter by a written proxy executed and dated by the member. No proxy shall be valid after ninety (90) days from the date of its execution, unless otherwise provided in the proxy.

ARTICLE IV - DUES AND FINANCE

4.1 Society Dues. The annual dues for membership in the Society as prescribed from time to time by the Society, shall be paid to the Society.

4.2 Chapter Dues. The Board of Governors, in its discretion and subject to the approval by a vote of members, may levy such dues, fees, charges or other assessments as are reasonable and necessary to meet the current operating expenses of the Chapter. The due date of such payments shall be as prescribed by the Board of Governors.

4.3 Fiscal Year. The fiscal year of the Chapter shall end on June 30 of each year.

ARTICLE V - BOARD OF GOVERNORS

5.1 Duties. The property and affairs of the Chapter shall be managed by the Board of Governors. The Board of Governors may execute all business of the Chapter that does not require action by the full membership of the Chapter. The presiding officer shall report briefly on these actions at the next Chapter meeting.

5.2 Composition. The Board of Governors of the Chapter shall consist of the officers, the most recent available past president, and at least two members elected pursuant to Article VII hereof.

5.3 Meetings. The time and place of regular meetings of the Board of Governors shall be at the discretion of the Board. A special meeting of the Board of Governors may be called by the President at the President's discretion, or at the written request of two (2) members of the Board.

5.4 Quorum and Majority Vote. A quorum for the transaction of business shall consist of a majority of the Board present in person, and the majority vote of the members present in person or by proxy shall be necessary for the adoption of any matter, except as otherwise provided in the Constitution or these Bylaws. The form of proxies shall be governed by Article III, paragraph 3.7 hereof.

5.5 Notice of Meetings. Timely written notice of all meetings shall be sent by the Secretary to all members setting forth the place, date and hour of the meeting and, in the case of a special meeting, the purpose thereof.

5.6 Appointments to Auditing Committee. The Board of Governors-Elect shall appoint members to the Auditing Committee, pursuant to paragraph 8.3.7 hereof, at a meeting of the Board of Governors-elect held prior to the annual meeting of the Chapter. Appointments shall be announced at such annual meeting.

ARTICLE VI – OFFICERS

6.1 Titles. The officers of the Chapter shall be a President, a President-Elect, a Vice President, a Secretary, and a Treasurer.

6.2 Multiple Offices. With the exception of the office of President, any number of offices may be held by the same member.

6.3 The President. The President shall be the chief executive officer of the Chapter and shall have general direction of the affairs of the Chapter and general supervision over its several officers, subject however, to the control of the Board of Governors. The President shall, from time to time, report to the members and to the Board all matters within the President's knowledge which the interest of the Chapter may require to be brought to the Chapter's notice; shall preside at all meetings of the members and at all meetings of the Board; shall sign and execute in the name of the Chapter all contracts, or other instruments authorized by the Board, except in cases where the signing and execution thereof shall be expressly delegated or permitted by the Board or by these Bylaws to some other officer or agent of the Chapter.

6.4 The President-Elect. The President-Elect shall automatically succeed to the office of the President at the conclusion of the President's term of office. In the absence of the President, the President-Elect shall exercise the powers and perform the duties of the President. In addition, the President-Elect shall make the committee chair appointments sufficiently far in advance of the Chapters Regional Conference (CRC), or in the case of the Region at Large (RAL) the Annual Regional Conference (ARC), as to permit attendance by the appointees at CRC/ARC workshops in the period prior to appointees' active participation as chair of the Chapter Committees. Chair designees of such committees as Student Activities, Membership Promotion, Research Promotion, Chapter Technology Transfer and Historical should be especially encouraged to attend CRC/ARC meetings. Prior to the annual meeting, the President-Elect shall complete the appointments by naming at least two (2) committee members to each of the standing committees of the Chapter.

6.5 The Vice President. In the absence of the President and the President-Elect, the Vice President shall exercise the powers and perform the duties of the President. In addition, such Vice President shall act as the Editor of the chapter newsletter, Coordinating Officer of the Student Activities and Chapter Technology Transfer Committees.

6.6 The Secretary. The Secretary shall send notices of meetings to the members and to the Board of Governors as prescribed in these Bylaws, and to Committee Chairs as requested by the President. The Secretary shall keep the minutes of the meetings of the Chapter and of the Board of Governors and shall promptly file a copy of the minutes of each meeting of the Chapter with the Regional Chair and Regional Vice Chair (RVC) for Chapter Technology Transfer, and shall send advance notices and minutes of meetings of the Board of Governors to the Regional Chair. The Secretary shall maintain a membership roster, a roll of membership attendance, and such books, papers, and records as the Chapter or Board of Governors may direct, which shall be open to the inspection of any member of the Board of Governors. The Secretary shall promptly notify members of their nomination, election, or appointments to office. In addition, the Secretary shall serve as Coordinating Officer of the Membership Promotion, Reception, and Attendance Committees.

6.7 The Treasurer. The Treasurer shall receive all funds, including dues, fees, charges and other assessments, and shall deposit such funds in the name of the Chapter in banks or other depositories. The Treasurer shall disburse funds only as authorized by the Chapter's Board of Governors and shall keep appropriate records of receipts and expenses and shall exhibit such records at all reasonable times to any member of the Board of Governors. The Treasurer shall make a full financial report at the annual meeting of the Chapter, a copy of which shall be forwarded to the Regional Chair. In addition, in the absence of contrary written instructions from the Society, the Treasurer shall complete, execute and file any

statements or returns incidental to federal or local taxation. Checks issued by the Treasurer shall be countersigned by any Officer, of the Chapter. In addition, the Treasurer shall serve as Chair of the Finance Committee and as Coordinating Officer of the Research Promotion Committee.

6.8 Additional Duties. All officers shall perform all duties incident to their respective offices and such other duties as are prescribed by these Bylaws or as are assigned by the Board of Governors.

ARTICLE VII - NOMINATIONS, ELECTIONS, VACANCIES, AND REMOVAL

7.1 Eligibility for Re-election. Officers and Board members are elected for one-year terms, but may be re-elected to consecutive terms. The President may be re-elected to the same office for one additional consecutive term, the President-Elect will also need to be re-elected in accordance with the election procedure set forth in Section VII.

7.2 Duties of Nominating Committee. The Nominating Committee shall select from the members eligible to hold office one candidate for each office except President, and for each member to be elected to the Board of Governors and shall obtain from each candidate a written statement that the candidate is a member in good standing in the Society and consents to stand for election. Not less than thirty (30) days before the March meeting the Nominating Committee shall present to the Secretary the names of the candidates selected, together with their statements.

7.3 Duties of Secretary. Upon receipt of these names from the Nominating Committee, the Secretary shall prepare a list of the candidates and shall forward such list to all members with voting rights at least ten (10) days prior to such meeting.

7.4 Nomination by Members. 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. 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.

7.5 Voting and election. Not less than ten (10) days prior to the next meeting, the Secretary shall send a mail ballot, in the case of elections by mail, or a proxy statement, in the case of elections at meetings, to all members with voting rights. In the case of elections at meetings, the President shall appoint three (3) tellers to assist in conducting the election. The Board of Governors or the tellers, if any, shall promptly tally all votes. The candidate receiving a majority of the votes cast for each respective office shall be declared elected. If there is a tie vote, there shall be a run-off election.

7.6 Installation. Officers and members of the Board of Governors shall be installed and shall assume their duties at the annual meeting of the Chapter, as prescribed in Article III, paragraph 3.2 hereof, to serve until their successors are installed.

7.7 Vacancies. Whenever there shall be a vacancy in any office except President-Elect or on the Board of Governors by resignation or otherwise, the Board of Governors shall have the power to fill such office until the next annual election and installation, and such officer shall have the duties, rights, and privileges of the predecessor.

If the President dies, resigns, or is removed from office, the President-Elect shall immediately become President and shall serve for the remainder of the term of the immediate predecessor. If the time served by the President-Elect as President is less than six months, he/she shall continue to serve as President for the next Society year; therefore the office of President-Elect shall remain vacant until the next annual Chapter election. If the President-Elect dies, resigns, is removed from office, or becomes President for more than six months in accordance with the foregoing provisions, a special election shall be held to fill the vacancy.

7.8 Removal. Any officer or member of the Board of Governors may be removed by a 2/3 vote of voting members present at a regular meeting, whenever in the judgment of the members, the best interests of the Chapter will be served thereby. The notice of this Chapter meeting shall contain the statement that an item of importance to the Chapter will be presented for action.

ARTICLE VIII – COMMITTEES

8.1 General. All Chapter Committees shall be designated as Standing Committees or Special Committees. Standing Committees are mandatory and are of a continuing nature, while Special Committees are created for a specific purpose and may be dissolved when their functions have been completed.

8.2 Appointments. Except as noted herein, all Standing Committee members and respective Chair thereof shall be appointed by the President-Elect pursuant to Article 6.4.

8.3 Standing Committees. Standing Committees are primarily essential to chapter, regional and Society activities are broken into two categories: those that mandatory and those whose functions are essential to the Chapter operation. (a) Mandatory standing committees are Chapter Nominating; CRC/ARC Action, Student Activities, Membership Promotion, Research Promotion, Chapter Technology Transfer and Historical.(b) Committees essential to the Chapter operation are Attendance, Auditing, Program, Reception, Refrigeration, Publicity, Publications or Newsletter, Honors and Awards; and Special Events. The duties and functions of each Standing Committee (several of which may be combined under a single chair) are as follows:

8.3.1 CRC/ARC Action Committee. The CRC/ARC Action Committee shall determine major items of concern to the Chapter; obtain biographies on possible candidates for Society and regional offices, committees, and various regional and Society honors and awards; provide direction to the delegate and alternate delegate on actions to be presented on the Chapter's behalf at the CRC; and encourage the Chair of the Chapter Technology Transfer, Student Activities, Membership Promotion and Research Promotion Committees to attend the CRC. The Chair of this Committee should be a Past President of the Chapter.

8.3.2 Student Activities Committee. The Student Activities Committee shall assist and cooperate with other technical and scientific organizations to influence pre-college (K-12) education in math and sciences; shall assist in the formation and/or continuing operation of student branches of the chapter; and shall assist with chapter participation in continuing education courses and related activities. The Chairman of this Committee, or a designated substitute, is expected to attend the CRC/ARC Meeting.

8.3.3 Chapter Technology Transfer Committee: The committee shall develop liaison on technical issues with local levels of government, promote and administer the chapter technology and government activities awards programs, make arrangements for speakers for programs and technical sessions at chapter meetings, including speaker's requirements for equipment, accommodations and travel arrangements and act as host throughout the meetings. The committee shall coordinate the efforts of the chapter by making arrangements with area educational institutions for continuing education courses, and develop an active "Speakers Bureau" to present talks and seminars to chapters and regions. The committee shall submit PAOE points related to chapter programs, and technical and government activities. The committee shall provide timely reports to the regional vice chair. The chair of this committee, or a designated substitute, is expected to attend the CRC/ARC meeting.

8.3.4 Membership Promotion Committee. The Membership Promotion Committee shall encourage applications by persons qualified for membership in the Society; shall encourage increased member participation in Chapter affairs; and shall encourage members to advance in their membership grade in the Society. The Chairman of this Committee, or a designated substitute, is expected to attend the CRC/ARC Meeting.

8.3.5 Refrigeration Committee. The Refrigeration Committee shall promote the refrigeration activities of the Society by promoting the interests and endeavors of those members whose primary concern is refrigeration; shall provide or arrange technical talks on refrigeration to the members at regular Chapter meetings; shall cooperate with the Membership Promotion Committee to identify potential new members who are refrigeration oriented; shall promote chapter-sponsored seminars on refrigeration and shall arrange for continuing education in the refrigeration field. The activities of the Refrigeration Committee shall be coordinated with the Chapter Technology Transfer Committee, and if there is no Refrigeration Committee the activities described above shall be handled by the Chapter Technology Transfer Committee. The Chair of this Committee, or a designated substitute, is expected to attend the CRC/ARC Meeting.

8.3.6 Research Promotion Committee. The Research Promotion Committee shall conduct an annual campaign to obtain investments in ASHRAE Research, The ASHRAE Foundation and Education through the ASHRAE Learning Institute. The Chair of this Committee, or a designated substitute, is required to attend the CRC/ARC Meeting and Special Regional Committee Meeting when called by Regional Vice Chair for Research Promotion.

8.3.7 Auditing Committee. The Auditing Committee shall consist of three (3) members, none of whom shall be members of the Board of Governors, and shall elect its own chair.

8.3.8 Nominating Committee. The Nominating Committee shall consist of five (5) members in good standing. One member of the Board of Governors may serve on the Nominating Committee, but not as its chairman. The Committee shall be elected by the Chapter at the February meeting. At the preceding meeting, the Board of Governors shall submit to the members their nominations for the committee. Additional nominations may be made by Members from the floor at said meeting. Nominees receiving the five highest number of votes shall be elected. In the case of a tie, there shall be a runoff election which shall be held at the same meeting. The Nominating Committee shall elect its own chair.

8.3.9 Program Committee. The Program Committee, in conjunction with the Board of Governors and all other committees, shall arrange programs for the meeting of the Chapter.

8.3.10 Reception Committee. The Reception Committee shall encourage fellowship among members and shall extend cordial greetings to guests and new members of the Society.

8.3.11 Publicity Committee. The Publicity Committee shall publicize the name, purposes and activities of the Chapter in an effort to obtain qualified members; and shall report Chapter activities of public interest to the news media.

8.3.12 Attendance Committee. The Attendance Committee shall be responsible for contacting each member of the Chapter prior to each scheduled meeting or event to ensure that they have received notice of that meeting or event, and to ascertain the expected attendance.

8.3.13 Publications or Newsletter Committee. The Publications Committee shall obtain news of interest to the Chapter members and supervise the publishing of the Chapter newsletter or update the Chapter WEB site.

8.3.14 Historical Committee. The Historical Committee shall collect and safeguard facts, photographs, records and other memorabilia pertinent to the history of the Chapter. The Chair of this committee, or a designated substitute, is expected to attend the CRC/ARC meeting.

8.3.15 Honors and Awards Committee. The Honors and Awards Committee shall consist of a chair and at least two (2) additional members, preferably past chapter presidents. The Honors and Awards Committee shall promote the recognition of outstanding chapter members within the chapter, region, Society, associated societies and the community. The committee shall submit names of qualified chapter members to the Chapter CRC/ARC Action Committee.

8.3.16 Special Events Committee. The Special Events Committee shall handle the arrangements for any special events to be sponsored by the Chapter, or for other events to which the Chapter membership has been invited.

8.4 Other Committees. Additional committees shall be termed as Special Committees and may be appointed at any time by the President, with the advice and approval of the Board of Governors, and shall be announced at the next meeting of the Chapter

8.5 Vacancies. Whenever any member refuses an appointment to a committee or whenever there is a vacancy on any committee by resignation or otherwise, the President shall, with the advice and approval of the Board of Governors, appoint another member to such committee.

8.6 Removal. Any committee member appointed or elected may be removed by the person or persons authorized to appoint or elect such member whenever, in their judgment, the best interest of the Chapter will be served thereby, except that the President shall remove a member only with the advice and approval of the Board of Governors.

8.7 Attendance at Board Meetings. Committee Chair shall attend the meetings of the Board of Governors when so requested by the presiding officer, but shall not be entitled to voting rights at such meetings.

ARTICLE IX - CHAPTERS REGIONAL COMMITTEE

9.1 Election of Delegates. The Board of Governors-Elect shall elect from among its members one delegate and one alternate to the Chapters Regional Committee. At least one of said delegates shall be an officer-elect of the Chapter. The delegates shall be announced at the annual meeting of the Chapter. The names of such delegates shall be certified in writing by the Secretary to the Secretary of the Society and the Regional Chair by the first day of the following June.

9.2 Term. The delegate and alternate delegate shall serve for a term of one (1) year, commencing on the first day of June following their election. No member may be elected to serve as the delegate for more than two (2) consecutive terms; no member may be elected to serve as the alternate delegate for more than two (2) consecutive terms; and no member may be elected to serve in either capacity for more than four (4) consecutive terms.

9.3 Duties. The duties of the delegate and alternate delegate shall be as prescribed from time to time by the Society. They shall transmit recommendations concerning policies, procedures, and operations of the Society, its Chapter and its Student Branches to the Regional Chair in advance of the Chapters Regional Committee Meeting; shall attend such meeting; shall suggest candidates for the Board of Directors of the Society, Society Committees, and miscellaneous Society honors and awards; shall participate in the election of one (1) member and one (1) alternate member to serve on the Society Nominating Committee; and shall report to the Board of Governors of the Chapter regarding the business transacted at the Chapters Regional Committee Meeting, together with any recommendations for Chapter action.

9.4 Vacancies and Removal. Whenever either delegate is unable to fulfill this office, the Board of Governors shall appoint another delegate. Either delegate may be removed by the Board of Governors whenever, in its judgment, the best interest of the Chapter will be served thereby.

ARTICLE X – AMENDMENTS

10.1 Powers and Limitations. All Articles of these Bylaws shall be subject to alteration or repeal, consistent with the Certificate of Consolidation, Bylaws, and Rules of the Board of Directors of the Society and applicable tax regulations for non-profit organizations or corresponding provisions of applicable tax laws..

10.2 By Society. Amendments to these Bylaws set forth in written directives of the Secretary of the Society shall be adopted by a majority of the Board of Governors. Written copies of said amendments shall be sent by the Chapter Secretary to all members, or an officer of the Chapter shall read said amendments at the next succeeding Chapter Meeting.

10.3 By Chapter. Amendments to these Bylaws may also be initiated by a written resolution of a majority of the Board of Governors or by not less than five (5) members in good standing with voting privileges and may be presented at any meeting of the Chapter. If approved by a majority of the members present, the Chapter Secretary shall mail copies of the proposed amendments to all members not less than seven (7) days before the next succeeding meeting. If approved by a two-thirds (2/3) vote at such meeting, the Chapter Secretary shall forward such amendments to the Secretary of the Society for approval by the Charter and Bylaws Committee of the Society and review by the Regional Chair. Any amendments shall become effective only upon receipt of written notice of approval by the Charter and Bylaws Committee of the Society.

ARTICLE XI – ADOPTION

These Bylaws shall be completed and adopted by a majority of the Board of Governors. Written copies of said Bylaws shall be sent by the Secretary to all members and shall be sent, as amended, to such persons as shall, from time to time, become members of the Chapter.

Adopted by the Hawaii Chapter:

Date
February 8, 2008

Chapter President
Samuel F. Gillie