Executive Summary

It is again my honor, to report another successful year at the Pacific Center Advanced Technology Training (PCATT). Building on the successes of the 2007-2008 fiscal year, PCATT in the 2008-2009 realized a 16% increase in the number of clients served, over the prior fiscal year at its main facility at Honolulu Community College.

Support for advanced technology training has also increase statewide, through other campus projects. These included the offering of technology expos at Windward CC, KauaiCC and Hawaii CC, and the inaugural rollout of the statewide Apple Summer Institute.

Financially, PCATT has done exceptionally well. With an annual increase in gross receipts of 1.24% over the prior year, the 2008-2009 fiscal year was the 2\textsuperscript{nd} highest year of gross receipts since inception. The revenue diversification efforts that started in the 2007-2008 year helped to bolster gross receipts in this fiscal year. The incorporations of grants management into the PCATT business model generated an additional $117,925 in revenue an increase of 43.94% of grants over the prior year helping the overall financial strength of our organization.

In anticipation of State budgetary constraints, PCATT voluntarily relinquished a clerical position at the end of the 2007-2008 fiscal year, clearly adding to the workload of existing faculty and staff. I’m proud to report the effects have been minimal as faculty and staff, through their personal commitment to excellence and to our clients, have found smart solutions to accommodate the workload. This typifies the PCATT spirit to sustain excellence in customer service that our clients have come to expect.

The new approach of project management has been assimilated into our organizational culture, offering the benefit of replacing management oversight with project ownership by faculty and staff. This shift to project management has allowed PCATT to expand into new initiatives such as virtualization, 3D modeling and prototyping, IPv6, and Product Life Cycle Management by leveraging both the professional and technical capabilities of our team. With stronger ties to local, national, and global business partners, PCATT is fortifying its assets and knowledge base to ensure its future as a leader in advanced technology training in a new, dynamic global economy.

Scott Murakami, Director PCATT
I. PCATT DEVELOPMENT INITIATIVE AND NEW PROJECTS

IPv6
The IPv6 Project moved into production in the 2008-2009 fiscal year, with the offering of a half day course for Executives, 1-day course for IT/Network Managers, a 3-Day course for Network Architects, and a 5-day course for Test Engineers/Systems Administrators.

In October 2008, the IPv6 project leader, Dallas Shiroma, Manager of Emerging Technologies at PCATT, delivered a national presentation of the IPv6 curriculum and an overview of the changes from IPv4 to IPv6 at the Fall Conference of the National Coalition of Advanced Technology Centers in Dayton, Ohio.

In Spring of 2009, the next phase of the IPv6 program was completed with the migration of the content to an online environment in partnership with Aries Technology, an online learning provider. PCATT entered its first curriculum licensing agreement providing IPv6 training on a global level, positioning PCATT to further diversify its training distribution and revenue source.

The IPv6 project has been a tremendously successful program from project plan to completion which demonstrated PCATT’s ability to provide technology training solutions for the global community.

Server Virtualization Lab
PCATT has made a significant investment in constructing and outfitting a new server virtualization training lab. This lab occupies approximately 84 square feet of training space located in room 501, adjacent to the current HCC campus server and IT network room. This project accomplishes three objectives. First, it will create a training and production space that will allow PCATT to offer training in a new state-of-the-art server virtualization lab. Second, it will reduce start-up costs for new PCATT projects by running new server applications in a virtual environment. Third, given the location of the new lab, a new HVAC split system will replace existing window units, improving cooling while reducing power consumption and providing a backup system.

In addition to the equipment purchase, PCATT invested approximately $165,000 in construction costs for this new training lab. The construction is estimated to be completed in December of 2009.

On the technology end, Dr. Mario Mediati, Server Virtualization Project Leader, improved PCATT’s operational efficiency by building a new PCATT virtualized server solution for the PCATT Automated Website (PAW), a PAW forwarding server that allows PAW to communicate with the Oracle Servers and a rover server to allow secure remote access to PAW.
Dr. Mediati also provided a virtualized solution for the PCATT Voice Over IP (VOIP) Cisco Call Manager Server. This led to the exploration of the virtualization of a Cisco Utility Voicemail Server. After assessing a number of performance issues with the voicemail server, Dr. Mediati began working on an Asterisk open source IP Telephony solution as a possible replacement for the aging Cisco VOIP Call Manager.

Virtual Training Center
In November 2008, PCATT entered into a training agreement with Cisco Systems to participate in the Cisco Entrepreneur Institute. The agreement provides access to Cisco’s online and hybrid Entrepreneur training program that includes the following:

1. Computer Literacy IC3
2. Career Essentials
3. Starting a Business
4. Entrepreneurial Mindset
5. iExec for Enterprise Essentials
6. Smart Technology for a Smarter Business
7. Institute Program Essentials
8. Growing a Business

Although this program is not in PCATT’s direct target market, as a consortium of the University of Hawaii Community Colleges, PCATT agreed to serve in a lead role that would coordinate training and portal access through PCATT’s registration office.

Ms. Erin Kanno, PCATT’s Registrar, and Ms. Germaine Tsukamoto, Administrative Assistant to the PCATT Director, will be trained as Institutional Program Managers in the 2009-2010 fiscal year with facilitator training to follow. Initial courses are scheduled to be offered statewide in January 2010.

Siemens Maritime PLM Solutions
In 2008-2009, PCATT received the largest University of Hawaii software grant to date in excess of $327 million, which includes the entire Engineering, CAD, 3D Presentation, and Project Management suite of solutions from Siemens Maritime Solutions. PCATT requested 300 seats of this software suite to ensure adequate training at the Pearl Harbor Naval Shipyard as well as for remote training locations to be designated throughout the state of Hawaii. The award also included individualized technical support directly for PCATT along with training of PCATT faculty and staff in the deployment, management, and use of the Siemens software.

This software suite, which integrates with many existing, high-end engineering packages, was used in the design and manufacture of the Virginia Class submarines that will be stationed at Pearl Harbor Naval Shipyard (PHNSY).
This grant positions PCATT to become the regional expert to support the lifecycle of the Virginia Class submarines. This gift from Siemens provides PCATT with the requisite technology and expertise to train personnel at the PHNSY in the advanced, modernized product lifecycle management solution.
II. PCATT TRAINING
A. PCATT COURSE OFFERINGS, OPEN COURSES, INCUMBENT WORKFORCE TRAINING, AND RETAIL TRAINING

Cisco Academy - 128 clients trained in Cisco Academy Courses
After 11 years, Cisco Systems technology training remains a premier draw for PCATT customers pursuing their workforce development goals. The certifications that can be earned are among the most valued certifications in the IT world. In particular, the CCNA and CCNP certifications remain the most desired certifications for networking professionals.

PCATT continues to update its personnel and infrastructure each year to support Cisco career certification training delivered via the Cisco Networking Academy. A new intermediate-level certification between the CCNA and CCNP was released in the 2008-2009 fiscal year in the Cisco Academy: the CCNA Security.

As a result of the successful history of PCATT in IT education, PCATT was selected as one of three CCNA Security Training Centers in the U.S.

Instructor Training - 19 Instructors trained in Cisco Academy
PCATT faculty member and Lead Cisco Instructor, Dr. Wayne Lewis, taught twelve Cisco Academy instructors and system administrators onsite in Mexico City in July 2008. He certified the instructors and system administrators in the first Cisco Academy Network Security courses to be taught in Mexico. Participants came from the campuses of the Instituto Tecnológico y de Estudios Superiores de Monterrey.
Red Hat Academy - 6 clients trained in Red Hat Academy Courses
Although there was interest in Red Hat, PCATT did not have enough participants to run a course this year. Two contract courses have been arranged for the fiscal year 2009 - 2010. PCATT remains committed to Red Hat training and will incorporate the changes announced by Red Hat for their Academies.

Novell Silver Partner - No clients trained in Novell Linux
PCATT continues to partner with Novell and they conduct their seminars at PCATT. Interest in Novell has waned but PCATT has kept its expertise and its Silver Partner status.

Autodesk - 40 clients trained in Autodesk Academy Courses
The Autodesk Academy program realized a significant decline in enrollment for the 2008-2009 fiscal year. This is attributed to the reduction in overall construction as opposed to a migration of different application by industry. PCATT is continuing to invest in Autodesk providing the requisite training for lead faculty member, Michael Jennings.

Additional 3D printing and modeling equipment was purchased in the 2008-2009 fiscal year. The acquisition of a 3D scanner as well as a Dimension Fuse Deposition Modeling printer that prints models using ABS plastic are expanding PCATT’s capabilities in both reverse engineering and the construction of models with higher tensile strength.

Geographic Information Systems - 6 clients trained in GIS courses
PCATT has partnerships with the two foremost providers of GIS software, Intergraph and ESRI. Intergraph, through HCC and PCATT, is currently offering the use of GeoMedia Professional licenses for one year after the end of training to enhance the classroom experience. Each license is valued at $5,664. Additionally, Intergraph has supplied PCATT with the Security, Government, and Infrastructure (SG&I) Education Grant valued at $34,874 to support the use of Intergraph technology in the classroom. This software includes one site license for GeoMedia Professional and one 2-map server license of GeoMedia WebMap Professional.

Oracle - 44 clients trained in Oracle Workforce Development Program
Oracle continues to offer the Oracle Workforce Development Program (WDP), which enables participating non-credit educational organizations, like PCATT, to deliver Oracle training to students in their local communities. Training delivered is comparable to the training offered to business and industry personnel by Oracle University. This program allows organizations like PCATT to utilize official Oracle training materials for the students and official Oracle presentation slides for the instructor.

WDP training prepares students and working professionals for entry-level employment in the following Oracle job-roles:
• Oracle Database Administrator
• Oracle Internet Application Developer/Forms Developer
• Java Solution Developer

PCATT originally offered Oracle 8i database administrator courses, follow by Oracle 9i database courses. Upon the release of Oracle10g, the following Oracle Database Administrator series of courses was offered:

• Oracle Database 10g: Administration Workshop I, Part 1
• Oracle Database 10g: Administration Workshop I, Part 2
• Oracle Database 10g: Administration Workshop II, Part 1
• Oracle Database 10g: Administration Workshop II, Part 2

This series of courses has been continuously offered during the past year. Two series ran and one did not.

In addition to Oracle training, PCATT has provided classroom and computer lab spaces for an Oracle Corporation event in September 2008. An Oracle presentation session was held in Waikiki on September 16, and hands-on sessions were held at PCATT on September 17. Forty-eight Honolulu IT specialists from business, industry and education attended the hands-on sessions. Additionally, PCATT provided classroom space to the Hawaii Oracle Users Group for their quarterly meetings.

Microsoft Academy - 6 Clients trained in MCSE courses
PCATT taught one last MCSE course and is now offering the MCITP certification for Windows 2008 Server Administration. Demand for Microsoft training has decreased over the last few years but PCATT makes a conscious effort to stay current and continues as a local Academy in the Microsoft IT Academy Program with access to the Microsoft Official Curriculum used in both PCATT and in the HCC credit Computing, Electronics, and Networking Technology program.

BICSI - 20 Clients trained in BICSI courses
The Building Industry Consulting Service International, Inc. (BICSI) is a telecommunications association with the mission to lead the telecommunications industry in the enhancement of quality services and methods around the globe by providing excellent education, promoting skill sharing, and assessing knowledge with professional registration programs.

Since 2005, PCATT has operated a certified BICSI cabling laboratory offering BICSI cabling courses in partnership with Bo Enterprise, an IT training and consulting company located in Henrico, Virginia. Bo Enterprise is a multiple site license holder for BICSI
training and is providing the site license and a large amount of classroom cabling supplies and material for the training. PCATT provides the equipment, tools and the instructor needed for the training. A revenue sharing agreement has been established for the partnership. During the past year, BICSI has changed their cabling installation training, expanding the training from three courses to four. They include:

- **BICSI Installer Level 1 Training** for entry level cable installers
- **BICSI Installer Level 2 – Copper Training** for cable installers with 1 years of experience
- **BICSI Installer Level 2 – Optical Fiber Training** for cable installers with 2 years of experience
- **BICSI Technician Level Training** for cable installer with 3 or more years of experience

Several cycles of the four courses have been offered in the past year. Construction companies are realizing that having BICSI certified cablers on their staff if a benefit for bidding on construction contracts, especially military contracts. **BICSI Installer Level 1** runs periodically and the most popular course is **BICSI Installer Level 2 – Copper**. Several open enrollment Level 2 courses ran this past year. In addition, a daytime, customized course for Hawaiian Telcom was taught for five of their cabling technicians.

PCATT continues to partner with the BICSI corporate training office in offering classroom BICSI courses. BICSI provides the instructor, training materials and registration, and PCATT provides the training location. Four courses and one exam session were held this past summer.

**Fiber Optics – 26 clients trained**

Open enrollment Fiber Optics courses were offered in partnership with Stan Kubota from Exsell Sales Associates. Several series of the following courses have been offered during the past year:

- **Fiber Optics Essentials**
- **Advanced Fiber Optics, Hands-on Training**
- **Fiber Optic Certification Exam**

One series had enough student enrollments to run.

This summer the **USS Hawaii – SSN 776** arrived at Pearl Harbor Naval Shipyard (PHNSY) marking the beginning of the arrival of several of the new Virginia Class submarines. Fiber optics is the backbone for data transmission on the submarines. PHNSY technicians are in need of fiber optics training to meet the maintenance requirements of these submarines. PCATT received a UHCC System Rapid Response grant to offer a pilot fiber optics course for PHNSY personnel. Stan Kubota was contracted to provide the
curriculum and customized training to meet the fiber optics training needs of the Shipyard. Subsequently, a US Department of Labor Rural Development grant was received to offer a second pilot course followed by courses to train 90 PHNSY personnel. Stan will be the trainer for these courses. This is an ongoing project.

Security (Security+, CISSP, SANS) training - 42 clients trained
For many years, PCATT saw Security as a “hot” topic. Despite the Department of Defense Information Assurance Directive 8570.1, requests for training in this area were sporadic. As PCATT strengthens its security offerings (to include SANS OnDemand and digital forensics) and markets its capabilities more effectively, growth in this area. A contract to deliver training to the Maui High Performance Computing Center was successfully completed and additional leads will be pursued.

First Time Course Offerings
To meet the needs of business and industry, PCATT researches and regularly adds training topics. Listed below is a summary of courses new to PCATT in 2008-2009. Not reflected in this listing are upgrades to programs such as the transition from Solaris 9 to Solaris 10 and upgrades in AutoCAD from 2008 to 2009. These upgrades are expectations that PCATT clients have and upon which they can depend.

Networking:
- IPv6 Overview
- IPv6 for IT and Network Managers
- IPv6 for Network Engineers and Network Architects
- IPv6 for Test Engineers and System Administrators

Operating Systems
- MCITP – Server Administrator

System Administration:
- Solaris 10 Boot Camp

Security
- CCNA Security Instructor Training

Telecommunications:
- BICSI Installer Level 2, Optical Fiber Training

Digital Photography:
- Digital Photography Workflow: From Shoot to Print

Video and Web:
• Ohana Chronicles: Documenting History
• Final Cut Studio Overview
• Templates and Libraries in Dreamweaver
• Ruby on Rails
• Web Sites for Mobile Devices
• Social Media in the Business Environment
  Social Media 1: Introduction to Social Media
  Social Media 2: Social Networks and Best Practices
  Social Media 3A: Twitter and Micro Blogs
  Social Media 3B: Blogs, Wikis and Business
  Social Media 3C: Business Connections
  Social Media 3D: Multimedia – YouTube, Vimeo, and More
  Social Media 4: “Google”
  Social Media 5: Marketing Strategy
• Instant and Tailor Made Web Sites for Personal and Small Business Use

Professional Development and Business Applications:
• Primavera SureTrak I – Project Management Fundamentals
• Primavera SureTrak II – Scheduling to Comply with Government Spec 01321N
• Timberline Estimating Assembly Workshop I and II
• Google Apps
• Selling on eBay
• QuickBooks Payroll
• Unexploded Ordnance Technician 1 Training

Online Options
• ProTrain Partnership
• SANS OnDemand
II. PCATT TRAINING

B. MILITARY/DEPARTMENT OF DEFENSE TRAINING

MILITARY INITIATIVES
The PCATT staff continues to put effort into attracting active duty and VA military students into PCATT courses and programs. Extensive mail, e-mail and phone communications take place between PCATT staff members and Military Education Directors and Counselors on Oahu. The HCC Coordinator of Off-Campus Education Programs delivers quarterly PCATT schedules of courses to military bases served by this Program. Course schedules are hand delivered to the bases not served by the HCC Off-Campus Program.

Tuition Assistance (TA) for active duty military personnel continues to be used by military personnel. The Army, Navy, Air Force and Marines now provide TA for PCATT Cisco, Microsoft, Red Hat, and Fiber Optics courses.

Veterans Assistance (VA) educational benefits for former active duty military personnel remain active. VA benefits are available for the following PCATT non-credit courses: Autodesk, Cabling and Fiber Optics, Cisco, Microsoft, Oracle, Project Management, Red Hat and Linux, and Solaris System Administration. The Director, Office of the State Approving Agency for Veteran Training, conducted a comprehensive audit of PCATT this May. Following the audit, the Director, State Approving Agency, determined that the PCATT VA program continues to more than adequately meet the requirements for approval. The Director complimented Germaine Tsukamoto, PCATT Secretary and Non-Credit VA Clerk, for her knowledge and attention to detail in maintaining required VA student files. The VA has rolled out a new VA benefit, Post 9/11, Chapter 33, GI Bill. The Post 9/11 GI Bill provides financial support for education and housing to individuals with at least 90 days of aggregate service on or after September 11, 2001, or individuals discharged with a service-connected disability after 30 days. The HCC credit VA Clerk, Philip Akiu, attended a briefing conference on this new benefit at the Muskogee, Oklahoma, VA Office. He then shared what he learned with PCATT personnel involved with the HCC non-credit VA program, Jerry Ceryn, Germaine Tsukamoto and Erin Kanno.

In conjunction with the Armed Forces Communications and Electronics Association (AFCEA) TechNet 2008 Conference held in Waikiki, one day of free training was offered to AFCEA registrants at the PCATT/Honolulu Community College facility on November 3, 2008. Four workshops were offered two times during the day by PCATT/Honolulu Community College and Kapiolani Community College personnel. The workshops and presenters included:

IPv6: Is it the Future and Do We Need It?
Bill Becker and Dallas Shiroma, PCATT/Honolulu Community College
IT Certification and Meeting the Certification Requirements of DoD 8570
Jerry Cerny, PCATT/Honolulu Community College

Current Trends in Computer Viruses and Simple Policies to Stop Them
Dale Nakasone, Kapiolani Community College

IT Troubleshooting Panel Discussion
Aldrin Caraang, Hal Corcoran, Cherl Kina, Connie Balanay and Francis Wong,
PCATT/Honolulu Community College

Efforts were made during the past year to expand the PCATT IT training offerings to meet the DoD Manual, 8570-01-M, Information Assurance (IA) Workforce Improvement Program. Several certification preparation courses were delivered to military personnel including Security+, Network+, and CISSP. These certifications meet the requirements of DoD 8570-01-M. A partnership with ProTrain Education was established. ProTrain offers several additional online courses which meet the requirements of 8570-01-M. The partnership includes a revenue sharing agreement when PCATT students register for the ProTrain courses.

In addition, a UHCC System Rapid Response grant was received and utilized to offer IA training to Oahu active duty military, civilian military and military contractor personnel. The funds were used to deliver the following training:

Security+ – 10 students
CISSP – 15 students
SANS Security Bootcamp – 10 students
II. PCATT TRAINING
C. UNIVERSITY OF HAWAII COMMUNITY COLLEGE SYSTEM-WIDE PROJECTS-NO CHANGES MADE

1. KAUAI COMMUNITY COLLEGE - $30,897.00
Short Term, Non-Credit Cisco Certified Training
9 Clients Serviced
This project allows the Kauai Community College Office of Continuing Education and Training (OCET) to respond to IT Networking training requests in workforce development by the Kauai high-technology cluster of businesses. Although Kauai CC has been a strong supporter of the Cisco Academy Program at PCATT, the limitation of funds prior to this grant prohibited the offering of short term, non-credit, Cisco Certified courses. The project was initially targeted to launch in June 2008 but was delayed due to low enrollment.

Apple Inc, Executive Briefing Center – A New Paradigm in Education - $1,426.50
Coordinated between all non-Oahu based campuses and PCATT, this project made possible the deployment of distance solutions using Apple Computer technologies.
NCATC Fall Conference, Dayton, OH - $2,593.66
This project allowed for the participation of the Kauai CC OCET staff at the Fall NCATC Conference to gain exposure to advanced technologies being deployed in workforce development on the national level. Technologies presented included advanced manufacturing, advanced polymers, prototyping, nanotechnology, and bio-health. Conference participation provides opportunities and understanding of the application of advanced technologies that drive the US economy so that new opportunities for economic and workforce development for Kauai County can be explored.

Edubuntu Software Training - $10,000
8 Clients Served
This project supported the Kauai Community College Cognition Learning Center (CLC) in Edubuntu, a free operating system designed for schools and other educational environments. The CLC is a bridge activity of research and educational experience. Areas of focus include science, mathematics, and technology through hands-on experiences in renewable resources, sustainability, energy, music, and electronics.

Green Technology Expo
200+ Clients Served
Eighteen exhibitors showcased their cost-saving technologies to over 200 participants in this one day event. Free informational workshops included Andrea Dean, Business Coach, Consultant, and Educator, Ken Stokes, Green Economist, Sustainability Advisor and Consultant, and Alex DeRoode from the Sustainable Living Institute of Maui.

2. MAUI CC - $5,000.00
NCATC Fall Conference, Dayton, OH - $2,500
This project allowed for the participation of the Maui CC OCET staff at the Fall NCATC Conference to gain exposure to advanced technologies being deployed in workforce development on the national level. The goal of participation is the same for Maui as it is for Kauai – to explore new opportunities for economic and workforce development for Maui County.

Apple Inc, Executive Briefing Center – A New Paradigm in Education - $2,500
Coordinated between all non Oahu based campuses and PCATT, this project made possible deployment of distance solutions using Apple Computer technologies.

3. HAWAII CC - $10,000
6 Clients Served
PCATT funds were used to provide instructor training in Autodesk Revit. This project prepared Hawaii CC faculty to expand the architecture program to include Revit and provide the requisite training to offer this course as a workforce development training opportunity to Hawaii County.
NCATC Fall Conference, Dayton, OH - $2,500
As with Kauai and Maui, Hawaii Community College participated in this premier national technology conference with the goal of finding economic and workforce development opportunities for Hawaii County.

Apple Inc, Executive Briefing Center – A New Paradigm in Education - $2,500
Coordinated between all non Oahu based campuses and PCATT, this project made possible deployment of distance solutions using Apple Computer technologies.

4. LEEWARD CC - $41,650
Process Technology Program
30 Clients Served
In the 2008-2009 fiscal year, PCATT had the opportunity to participate in the Leeward CC OCET Process Technology Program (PTEC). This advanced technology program has expanded its content through the addition of an Acrylic Heat Exchanger and Centrifugal Pump System Training. As a result of PCATT’s support, the LCC OCET PTEC program was able to generate an additional $19,000 in revenue.

5. Windward CC - $8,000
Tech Talk 2008
29 vendors and 600 People Attended
Funding was provided for Windward Community College to help in the promotion and for intra-state travel for Tech Talk 2008. Tech Talk is an event that includes presentations to expose students and employers on the windward side to training opportunities and jobs in high-growth and emerging industries.

6. KAPIOLANI CC - $47,314
In the 2008-2009 fiscal year, PCATT continued its support of the Kapiolani Community College New Media Arts Program. This was a building year for the KCC New Media Arts (NMA) Program.

Online New Media Arts Course Development - $15,000
PCATT funded the development of self-directed, online continuing education courses that will be available in Fall 2009.

iMac Lab Update - $10,701
Funding provided for four iMacs to upgrade the New Media Arts/PCATT lab to meet industry standards.

Lynda.com Subscription - $1,500
KCC NMA used PCATT funds to purchase a subscription to Lynda.com, an online training library.
**Underwater Video and Photography - $20,113**

To begin new content development in underwater photography and videography, funding provided underwater film making capabilities.
II. PCATT TRAINING

D. P-20 INITIATIVE SUPPORT

Hawaii IT Academy Summit 2009 – 119 people attended

PCATT hosted its seventh annual IT Academy Summit on May 21 – 22, 2009. The theme of this year’s event was “Virtualization”. One hundred and nineteen attendees participated, including private and public high school teachers, community college instructors, and DOE IT and Curriculum Specialists. Fifteen teachers from the neighbor islands attended.

As with previous IT Summits, several objectives were met during the conference. The first was to gather all the Academies in the state in one location so the Academy instructors could meet one another and lay the groundwork for future networking. The second was to increase awareness of the latest Academy offerings and training available through PCATT, and inform the participants how PCATT can be a major supporter of technology training in the public schools and colleges.

Keynote speakers for this year’s event included Steve Kaplan Vice President, Data Center Virtualization Practice INX and Richard Weeks, COE, Network Development Group. Both offered informative and engaging keynotes on server and desktop virtualization. For the sixth year, the Hawaii DOE Magnet E-Academy Program partnered with the IT Summit to offer an update to Magnet E-Academy teachers. Breakout sessions included updates on the new Cisco curriculum, server and desktop virtualization, mobile Web applications, digital literacy and online learning, distance education using NetLab, green chemistry, advanced podcast creation, unified wireless communications, IPv6, iLife, multi-user packet tracer, printing in plastic, Mac OS X technology, CCNA security, new and open Solaris, and the millennial students.

The evaluations received indicated that participants found the Hawaii IT Academy Summit informational and worthwhile. They felt that the sessions covered a wide variety of topics and provided them with exposure to cutting-edge technology.
Apple Summer Institute – 353 people registered
On May 18 – 20, 2009, PCATT, in collaboration with Apple, Inc., held the third annual PCATT/Apple Summer Institute. The workshops were free and targeted to Hawaii’s educational community. Participants were able to learn about the latest digital trends with Apple hardware and software products.

This event was held on the Honolulu Community College campus and was open to Administrators, Tech Coordinators, Teachers and Technicians in the K-20 community who are interested in utilizing Apple technology to maximize productivity. Special invitation only events were offered the first day. Hands-on and presentation events on all three days gave participants the skills to incorporate Apple’s latest technology into their classrooms or offices. Seven tracks were offered. Tracks and topics included;

**Track 1 – Teaching & Learning in a Digital World**
What does the 21st Century Student and Lesson look like?
- Challenging the 21st century learner
- K.I.S.S. Simple multimedia projects you can do with you students today
- Publishing and delivering podcasts
- Student generated content: 21st century skills & rubrics
- The wave is here: Say hello to online learning – The Hawaii Virtual Learning Network

**Track 2 – Mac 101**
Getting the Most Out of Your Mac
- Mac 101a – Basics
- Mac 101b – Tips and tricks
- You, a Mac & the Internet: Researching skills
- Keynote ‘09
- Pages ‘09

**Track 3 – Tools that Enable 21st Century Skills**
Exploring iLife ‘09
- GarageBand ‘09
- iMovie ‘09 Part 1 of 2
- iMovie ‘09 Part 2 of 2
- iPhoto ‘09
- iWeb ‘09

**Track 4 – Tech Survival Camp**
Simple skills for today’s techs
- My Mac does Windows
- Microsoft Windows Licensing
- Supporting an iWeb culture
- Imaging Basics Part 1 of 2
Track 5 – Collaboration
Explore the bold new world of Web 2.0
- Collaboration Technologies
- Case Study – Collaboration Technologies in Action
- OS X Server – Configuring Web, Wiki and Blog Services Part 1 of 2
- OS X Server – Configuring Web, Wiki and Blog Services Part 2 of 2
- Mobile Academic Platform for iPhone and iPod Touch

Track 6 – Pro Apps
Apple Professional Applications for video and images
- Hands on with Final Cut Studio Part 1 of 3
- Hands on with Final Cut Studio Part 2 of 3
- Hands on with Final Cut Studio Part 3 of 3
- Hands on with Aperture Part 1 of 2
- Hands on with Aperture Part 2 of 2

Track 7 – Server Boot Camp
Basic Server Setup: Objective stable server environment
- OS X Server Best Practices Part 1 of 5
- OS X Server Best Practices Part 2 of 5
- OS X Server Best Practices Part 3 of 5
- OS X Server Best Practices Part 4 of 5
- OS X Server Best Practices Part 5 of 5
Neighbor Island Apple Summer Institute
On May 21 and 22, Apple sent trainers and training hardware to Maui Community College, Hawaii Community College, and Kauai Community College and hosted training events at each location. This training was supported by the Offices of Continuing Education and Training on the three campuses and allowed Neighbor Island educators to receive Apple training without having to fly to Oahu to attend the Apple Summer Institute. The evaluations received indicated that participants found the Apple Summer Institute at PCATT/Honolulu CC and the training offered on the Neighbor Islands informational and worthwhile.
II. PCATT TRAINING
E. OTHER TRAINING ACTIVITIES

Contract Training
Contract training offers a way for PCATT to provide training that is customized either in content, scheduling, format, or location. PCATT conducted training for the Maui High Performance Computing Center in the following courses:
- IT Essentials: PC Hardware and Software (A+ Certification Preparation)
- Security+

For the Department of the Attorney General, Juvenile Justice Information Systems, State of Hawaii:
- J2EE

For High Technology Development Corporation (HTDC):
- Web Sites for Mobile Devices

For Hawaiian Telcom:
- BICSI Installer Level 2, Copper Training

Training Facilitation
PCATT shares its technical expertise to support companies, associations, and non-profit organizations so they can conduct their own employee and member training. Training topics are those beyond the current knowledge base of PCATT so training facilitation expands the training reach of PCATT. A sampling of topics includes:
- Expedition (Construction project management)
- Raiser’s Edge (Nonprofits fundraising management)
- VMware (Server virtualization)
- Parish Data Systems
- CommVault System Administration
- Cisco SAN technology and WAN optimization
- Simplified Acquisition Procedures
- SalesForce.com
- BICSI RCDD Certification Training
- Enviance – Environmental, Health, Safety Management Software

Examples of participating companies and groups are listed below. Providing training support has led to referrals, enrollments, and partnerships with mutually beneficial results.

Corporate
- Access Event Network
- Adams Telecom
- Apple Inc.
- AkzoNobel
- Cisco Systems, Inc.
- Novell
- Oracle
- Pacific Business News
- Sun Microsystems
- TrainStation
- United Parcel Service
- VMware

**Industry and Associations**
- BICSI
- Oracle Users Group
- SANS
- VMUG (VMware Users Group)

**Nonprofits/Government/Education**
- Hawaii Chapter of American Society of Landscape Architects
- Catholic Diocese of Hawaii
- Hawaii Alliance for Non-Profit Organizations
- Kamehameha Schools, Extension Education Division
- New Urban Research
- Hawaii State Department of Transportation
- Early Childhood Symposium for UH Manoa
- NOAA (National Oceanic and Atmospheric Administration)
- Pearl Harbor Naval Shipyard Technicians

On a scale of 1 to 5, PCATT was evaluated as follows.
5 – Very satisfied
4 – Satisfied
3 – Neutral
2 – Dissatisfied
1 – Very dissatisfied

<table>
<thead>
<tr>
<th></th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall satisfaction w/ PCATT</td>
<td>83%</td>
<td>17%</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Quality of services</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Customer service</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Quality of equipment support</td>
<td>83%</td>
<td>17%</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Complaint handling</td>
<td>89%</td>
<td>11%</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ease of doing business</td>
<td>87%</td>
<td>13%</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Testing and Proctoring

Industry certification exams are offered through the Pearson VUE Testing Center at PCATT to provide a complete training experience from learning through certification at one location. PCATT also supports ACT and PAN testing for professional licensing and job screening. Revenue for VUE testing was up 27% for 2008-2009. Overall in both numbers and revenue, PCATT was down significantly year over year. In 2008-2009, 578 people were tested, down 56% from 1323 in 2007-2008. Revenue was $17,211, down $26,519 or 61%. This was due to a drop in job screenings for Transportation Security Administration positions in 2008-2009 that accounted for most of the testing conducted in the previous year.
III. Grants

3D Rapid Prototyping (Federal NSF) - $25,000.00
A second year of funding was provided for this project through the National Science Foundation Advanced Technology Program Rapid Tech. Federal pass-through funding came from Saddleback Community College, the prime recipient of this award.

The grants provided a means to purchase equipment needed to support the continued development of the PCATT and the HCC Architectural, Engineering & CAD programs. Rapid prototyping equipment was purchased and the programs had the opportunity to develop curriculum in training of 3D modeling in the field of architecture.

Cisco Learning Institute - $14,000.00
In 2008-2009, Cisco converted funding for the Cisco Academy Program to formal grant agreements. These funds help to offset operating costs for the Cisco Academy Program. In the 2009-2010 fiscal year, these funds will return to non-grant funding and direct payments to the Cisco Regional Partners.

Rapid Response Fund - $82,970
The Rapid Response Fund provided resources necessary for PCATT to address training needs to help employees and contractors serving the Pearl Harbor Naval Shipyard (PHNSY) meet the Department of Defense 8570.01-M Information Assurance Workforce Improvement Program Manual. These funds allowed PCATT to provide the following information assurance and cyber security courses.

SANS/Global Information Assurance Certification - $33,500.00 - 10 clients trained
Security+ - $9,995.00 – 10 clients trained
CISSP - $11,625.00 – 15 clients trained

The Rapid Response Fund also provided funding necessary to offer two levels of fiber optic training (essentials and advanced) to employees and contractors of the PHNSY, in preparation for the arrival of the USS Hawaii, the first Virginia Class Nuclear Submarine that will be stationed in Hawaii.
Fiber Optics Training – $27,850.00 – 10 students trained

Siemens -$327,000,000+
Please see pages 3 and 4 for the specifics of this software grant.
IV. CURRENT OPERATIONS
A. PCATT GENERAL OPERATIONS

Personnel
In the area of personnel, PCATT was quite stable. In December 2008, Erin Kanno, was selected as the Registrar for PCATT and Continuing Education and Training. She is a great addition to the PCATT family with her excellent customer service skills. Alyson Koki was on temporary assignment in this position. With budgetary constraints experienced throughout the State, PCATT voluntarily relinquished a clerical position, working toward operational efficiency.

Marketing
The Communication Arts Special Projects course, taught by Lowell Gillia, President and Creative Director at Design Asylum, Inc., pressed the limits of the students’ skills and PCATT’s reception to new ideas. The proposed theme centered on the importance of the human side of technology. Cover designs for the PCATT schedule of courses featured the heart (intrigue), the brain (inform), sight (interface), and hands (interconnect) with stunning graphics. To complement the graphics, the students suggested the PCATT logo needed a facelift. This PCATT marketing campaign design was submitted to District 13 of the American Advertising Federation and won the Pele Award of Excellence in the category of “Student Advertising.”
The marketing goal for PCATT is to build brand recognition for the consortium as a whole.

**Print Media**
To stay within a reduced marketing budget, size of print ads and several venues were eliminated. The schedule of courses is pre-set to a lower count of 60 pages with fewer schedules printed. This approach gives PCATT acceptable visibility in the following publications.

1. *Pacific Business News*
2. *Pacific Business News Book of Lists*
3. *Hawaii Business Magazine*
4. *Pacific NewsBytes Magazine*
6. *Chamber of Commerce of Hawaii Member Directory*

PCATT has placed a 4 page advertorial in the only tech publication in Hawaii, *Pacific NewsBytes Magazine*, which is published quarterly.

**Television/Radio**
PCATT’s approach to television and radio for 2008-2009 was “populist.” Seeking name recognition through tech topics that have broader appeal, the allocated spot on *Dot Biz* with Mike Buck on KHVH radio promoted eBay training which was offered at all Oahu community colleges with especially high attendance at Kapiolani Community College. This training was presented by an eBay PowerSeller in partnership with the United States Postal Service. *The Morning Show* spot with Linda Coble on KHON TV promoted the Apple Summer Institute, targeted to educators in partnership with, who else but Apple.

**Web Marketing**
Change is coming to the PCATT Web site. Web analytics show a 10% increase in unique visitors from 16,319 to 18,097. Visits were also up by 4,734 (16%) with 33,737 visits. As the Web becomes a way to interact with customers rather than merely a method for providing information and as more people look at the site, PCATT is changing to meet these needs. Staff members are learning how to use social media in a business environment and strategies have been formulated and a plan is in place to change the PCATT Web site to be less static and more interactive. A Twitter account was opened and PCATT Tweets were started.
PCATT eZine
The PCATT eZine continues with a goal to provide monthly tech updates and to connect the PCATT client base with training resources. Distribution has increased to 1,686 subscribers from 1,167 last year. PCATT has “arrived” when training managers ask to place their staff on the eZine routing.

Seminars and Workforce Development Events
PCATT selects venues where the tech person or the person making training decisions can be exposed to PCATT and its training opportunities. The ability to interact directly with these individuals assures current and past customers that PCATT is still a solid training choice and creates a means of communication with new customers. PCATT participated in the following events:

- Society of Human Resource Managers Conference
  October 3, 2008
  At the Sheraton Waikiki Hotel
- TechTalk
  October 24, 2008
  At Windward Community College
• AFCEA TechNet Asia-Pacific International Conference and Exposition
  November 5, 6, 7, and 8, 2008
  At the Sheraton Waikiki and Royal Hawaiian Hotels
• Technology and Internet Expo – O’ahu
  Oceanic Time Warner Business Class
  March 25, 2009
  At the Blaisdell Exhibition Hall
• Science and Tech Day at the Capitol
  April 2, 2009
  Sponsored by the Hawaii Science and Technology Council
• Technology and Internet Expo - Maui
  Oceanic Time Warner Business Class
  June 6, 2009
  At the Maui Beach Hotel

**Associations and Memberships**
PCATT takes full advantage of its memberships in international, national, and local technical and training associations to both learn from and provide expertise to its colleagues. Associations and memberships include:
• IPv6 Forum
• National Coalition of Advanced Technology Centers (NCATC)
• Armed Forces Communications and Electronics Association (AFCEA)
• Building Industry Consulting Service International, Inc. (BICSI)
• Society of Human Resource Managers (SHRM)
• Pacific Telecommunications Council (PTC)
• Hawaii Small Business IT Hui (HSBIT)
• Chamber of Commerce of Hawaii
• Hawaii Science and Technology Council
• Association of Information Technology Professionals (AITP)

As PCATT matures, the balance is shifting toward PCATT as a source of expertise and ideas rather than merely a receiver of experiences shared by others.
Operations and Training Assessment
Participants continue to show a high degree of satisfaction with PCATT training. When asked to provide a “yes” or “no” response regarding their overall satisfaction of their course, 98% of PCATT participants answered “yes” they were satisfied, 2% responded “no” they were not satisfied. This is a “yes” or “no” question because there is no in-between. That’s how serious quality is for PCATT.

All other ratings were very high with an improved level of satisfaction with PCATT instructors:

On a scale of 1 to 5 with 5 as the highest and 1 as the lowest:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom Facilities</td>
<td>4.62</td>
<td>4.58</td>
</tr>
<tr>
<td>Registration Process</td>
<td>4.56</td>
<td>4.58</td>
</tr>
<tr>
<td>Instructors’ Subject Mastery</td>
<td>4.60</td>
<td>4.74</td>
</tr>
<tr>
<td>Instructors’ Level of Preparedness</td>
<td>4.56</td>
<td>4.74</td>
</tr>
<tr>
<td>Instructor’s Ability to Communicate</td>
<td>4.60</td>
<td>4.74</td>
</tr>
<tr>
<td>Instructor’s Interaction w/Class</td>
<td>4.67</td>
<td>4.77</td>
</tr>
<tr>
<td>Overall Instructor Rating</td>
<td>4.64</td>
<td>4.77</td>
</tr>
</tbody>
</table>

Technology and Equipment
Although it’s a challenge to stay up to date with constantly changing technology, PCATT tech staff has done an admirable job in this area. Requirements for the Academies and partnerships are varied -- Microsoft operating systems, Cisco routers, Red Hat and Novell Linux, BICSI telecommunications, 3D with Autodesk, and more. Additionally, customers bring their training and software needs for programs that are new to PCATT. Pile them on top of one another with one program running during the day with different courses running at night in the same lab and you have a unique lab situation that requires attention to detail and technical expertise. Add the requirement to run a technically secure operation to all the labs and offices. PCATT can do this.
New to PCATT this year was the installation of a new computer lab with Microsoft’s Vista operating system. New Cisco routers were purchased to match updated curriculum, and industry specific fiber optic equipment was purchased for training.

One area for improvement is the Sun lab which needs upgrading to better manage Solaris 10 system administration training.

When the Department of Transportation came to PCATT requesting to use a PCATT lab for their Enviance training, they indicated that one of their staff had attended Primavera training with GP Roadway Solutions and was impressed with the facilities. The Landscape Architects Association was similarly referred by a previous PCATT client. PCATT takes great pride in these word-of-mouth referrals which confirm the technical capability and quality of its resources.
V. OUTCOMES
B. PCATT 2008-2009 Goals

Goal 1: Continue marketing and expand training services to the U.S. Department of Defense.
Servicing the Department of Defense has remained a focused initiative for the 2008-2009 fiscal year. This is a major economic engine in Hawaii and with the onset of the DoD manual, 8570-01-M, and the migration to IPv6, the Department of Defense as well as federal agencies remain an excellent target market for PCATT.

Outcome:
Penetration into this Department of Defense has been slower than expected. However, PCATT’s strategy of partnering with DOD contractors and businesses that serve the DOD, including BAE, Siemens, and serving the DOD directly through events like the AFCEA TechNet training session will pay large dividends in the future.

Anticipated training motivated by the DOD manual 8750.1 and the migration to IPv6 still remain as driving factors for PCATT services to this market, albeit slower than previously thought.

Goal 2: Refine the PCATT planning process for supporting system-wide coordinated projects that support county Comprehensive Economic Development (CED) Plans.
Building upon the initial foundation built in 2007-2008, this goal is expected to yield higher revenue for individual campuses, help the Offices of Continuing Education and Training meet their respective CED’s initiatives, and reduce redundant program investments throughout the University of Hawaii Community College campuses.

Outcome:
PCATT has significantly improved the coordination between the Oahu based campuses. In the 2008-2009 fiscal year, PCATT funded only non-duplicated projects that build on the strengths of each UHCC campus on projects that support the Statewide CED Plans.

Honolulu CC remains the main campus for professional IT training. At Leeward CC, PCATT is funding Process Technology Program and at Kapiolani CC, PCATT is supporting the New Media Arts Program. At Windward CC, PCATT supported the Tech Talk II Technology Conference.

PCATT still encounters challenges with the selection of specific projects, but improved coordination ensures that funds are not used to support similar projects at multiple campuses. Neighbor island campuses are also benefiting through increased exposure to advanced technology training and programs that address their county CED plans.
Goal 3: Expand grant opportunities to diversify revenue and reduce costs for new program development
This goal will allow PCATT to diversify its revenue sources. Although grants offer financial resources, PCATT must be mindful of the types of funds that we apply for and ensure a fit that allows PCATT to continue to serve our mission.

Outcome:
In the 2008-2009 fiscal year, PCATT received $117,925 in grant funding. This constituted approximately 26.3% of PCATT’s total annual revenue. This represents a 43.94% increase over the 2007-2008 fiscal year.

Of the $117,925 in grant funds received, $25,000 or 21.2% of the total grants received came from US Government sources, $92,925 or 78.8% came from state and private sources.

Goal 4: Distribute IPv6 curriculum nation wide
With the completion of the IPv6 curriculum, focus needs to shift on the curriculum license agreement and the distribution of the curriculum through national organizations like NCATC. Although curriculum development is a new initiative to PCATT, it offers the opportunity for advancing PCATT on a national level with further revenue diversification.

Outcome:
In 2008-2009 PCATT, entered into a licensing agreement with Aries Technology for the use of the IPv6 curriculum. Aries was selected as they provided online learning management support for the Cisco Academy. This provides access to Cisco Academies on a global level.

As mentioned in this report, training in IPv6 locally was slower than anticipated. There appears to be a greater global migration to v6. This suggests that global distribution of this product will yield greater training opportunities than the domestic US market.

Goal 5: Continue to expand and develop expertise in 3D modeling in architecture in the AutoDesk Training Center.
In addition to 3D modeling at Honolulu CC, PCATT has been supporting AutoCAD and Revit Training at Hawaii CC. Expertise in this area offers expanded training opportunities statewide and ensures technology transfer from the National Science Foundation to the state of Hawaii.

Outcome:
The expansion of the Autodesk program to include 3D rapid prototyping and additive manufacturing expanded into two additional technologies. First, PCATT invested in 3D scanning and imaging that allows the capture of 3D CAD files from physical components.
Second, PCATT invested in Fuse Deposition Modeling technology through the purchase of a new Dimension printer. This new printer constructs 3D models using ABS plastic that produce models with higher tensile strength. This gives PCATT the ability to produce articulating model parts.

**Goal 6:** Continue to expand and ensure certification courses remain current, offering the latest version of IT certification and academy programs

By continuing to implement new certification programs and staying current with existing certification courses and programs, PCATT will meet business and industry employer needs.

**Outcome:**
PCATT remains current in the latest IT certifications in course offerings. During the 2008-2009 fiscal year, PCATT added the Microsoft MCITP – Server Administration course, Cisco CCNA Security Instructor Training Course, BISCI Installer Level 2 course as well as training in Primavera Sure Track, Google Apps, SANS Security Training and a variety of Social Media Courses.

**Goal 7:** Complete VMware server training room

Based on employer response and initial demand for training, PCATT management believes that the investment in a server training room for VMware will be a strong investment that positions PCATT ahead of its competition.

This server room project will also support the Honolulu CC campus as it will allow Information Technology Center to load share network services as the campus migrates to a virtualized solution. This is consistent with the University of Hawaii Strategic initiative to repair, replace, or renovate existing IT infrastructure.

**Outcome:**
Construction of the Server Virtualization Training Lab was delayed. Other campus construction projects were delayed resulting in a trickle-down effect that subsequently delayed the planning and start of construction on this project. The estimated completed date of the new Server Virtualization Lab is December 2009.

**Goal 8:** Expand on technology transfer to neighbor islands and rural areas of Hawaii.

PCATT will continue to seek opportunities for neighbor island Directors of Continuing Education and Training to participate in national advanced technology training initiatives. This will allow the Directors to expand their understanding of the application of advanced technology and help facilitate technology transfer to rural areas of Hawaii.
**Outcome:**
During the 2008-2009 fiscal year, PCATT created a number of opportunities for technology transfer to the neighbor islands. These included opportunities for the neighbor island Directors of the Offices of Continuing Education and Training to participate in the summer workshop and/or fall conference of the National Coalition of Advanced Technology Centers, Online Education Solutions at the Apple, Inc. Executive Briefing Center in Cupertino, CA, and the expansion of the Apple Summer Institute to Maui, Kauai, and Hawaii.
V. OUTCOMES
C. PCATT 2009-2010 Goals

Goal 1: Continue marketing and expand training services to the U.S. Department of Defense.

Penetrating the Department of Defense training market will continue to be a priority for PCATT in the 2009-2010 year. Serving this market is a critical step in ensuring PCATT’s leadership role in training in advanced technologies in the state of Hawaii.

Goal 2: Complete the installation and begin training using the Siemens Product Lifecycle Management Solution.

In support of goal 1, PCATT will complete the installation and develop at the Honolulu CC campus, a full working version of the Siemens engineering and product life cycle management tools that are planned for implementation at Pearly Harbor Naval Shipyard.

Goal 3: Refine the PCATT planning process for supporting system-wide coordinated projects that support county Comprehensive Economic Development (CED) Plans.

PCATT will continue to build upon the initial foundation built in 2007-2008, to help the Offices of Continuing Education and Training meet their respective county CED’s initiatives. As stated in this report, PCATT has been successful in reducing redundant program investments throughout the University of Hawaii Community College campuses on Oahu, but will continue to work with the OCETs on establishing workforce development solutions in advanced technology training throughout the state of Hawaii.

Goal 4: Expand grant opportunities to diversify revenue and reduce costs for new program development

In the 2009-2010 fiscal year, PCATT will strive to obtain greater federal grant funds in an effort to further diversify sources of revenue. The target for 2009-2010 is to increase the level of federal funding to 50% of total grants received.

Goal 5: Complete VMware server training room

PCATT continues to receive inquiries on training in server virtualization. This project will serve as a focal point for the IT industry around virtualization and will help to further PCATT’s leadership role in IT and advanced technology training in the state of Hawaii.
Goal 6: Expand on technology transfer to neighbor islands and rural areas of Hawaii.

PCATT will continue to seek opportunities for neighbor island Directors of Continuing Education and Training to participate in national advanced technology training initiatives. This will allow the Directors to expand their understanding of the application of advanced technology and help facilitate technology transfer to rural areas of Hawaii.