Letter from the Director

Steven Auerbach
Director
Pacific Center for Advanced Technology Training
Continuing Education and Lifelong Learning
It is our pleasure to share with you our Pacific Center for Advanced Technology Training (PCATT) and Continuing Education annual report. This report covers activities during Fiscal Year (FY) 2016, July 1, 2015 – June 30, 2016.

Workforce Development, Education and Training at Honolulu Community College are part of our Continuing Education function. We have established strategic partnerships with business, industry and government and aligned programs and curricula with employer and community needs. In developing continuing education programs, we strive to design these programs to support and link the outcomes of existing and emerging jobs and careers within Hawai‘i’s economy and ensure that student participants have the necessary technical and soft skills to be successful.

Continuing Education opportunities are available in a wide range of programs, courses, and services to meet employer needs. Honolulu Community College has expertise in more than 25 specialty areas offered at the college. These topics can be delivered on-campus or on-site in short, flexible training units. Contracts can be arranged for customized training. Recent training delivered to businesses and organizations is as varied as business writing, marine welding, and blueprint reading.

Another component of our Continuing Education workforce development program is the Pacific Center for Advanced Technology Training (PCATT). PCATT was established as a consortium in association with the University of Hawai‘i Community Colleges (UHCC) to be a resource to help train Hawai‘i’s workforce for jobs that bring Hawai‘i to the forefront of technological development. PCATT has provided training in areas including networking, programming, database administration, social media, security, and web development.

The short-term training continuing education programs offered by the college are just as important as academic credit programs. We are committed to serving community and workforce needs by integrating insights and knowledge from faculty and industry experts.

This annual report demonstrates what we accomplished for the Fiscal Year (FY) 2016. Here are a few themes:

- Provided cost effective, high-quality, and timely training solutions to enhance job-related skills of all participants.
- Established K-12 programs to help expose students to different fields of study and career choices with the goal of developing the talent pipeline for the State of Hawai‘i.
- Enhanced PCATT consortium engagement.
- Continued to develop a culture of innovation, growth and financial stewardship.

We welcome you to discover the team accomplishments this year and our connections with the community to serve the diverse needs for economic and workforce development programs and initiatives across the State of Hawai‘i.
Training and Workforce Development

In fulfilling the mission of PCATT, we establish strategic partnerships with business and industry. This allows us to anticipate and align programs and curricula to meet community and workforce needs. We design programs to support and link the outcomes of existing and emerging jobs within Hawai‘i’s economy to enable necessary technical and professional skills. PCATT engages in capacity building by completing education and workforce events.

GenCyber Summer Camps
In partnership with UH Manoa Information Technology Center and the Department of Education (DOE), we taught 117 students and 5 teachers in the GenCyber Hawaii summer camps at Honolulu CC and UH Manoa. Funding for these camps was provided by the National Security Agency (NSA) and the National Science Foundation (NSF). The goals of the camps is to provide high school teachers and students the opportunity to learn about cybersecurity, build the interest in cybersecurity and careers in this field, help students understand correct and safe online practices, and provide teachers with the teaching resources to deliver cybersecurity content in their related classroom lessons. Working with our partners we continue to expand the building of the pipeline of our next generation of security professionals here in Hawaii.

Apple Summer Institute
We hosted the 9th Annual Apple Summer Institute (ASI). ASI provides a professional development opportunity for educators and technical specialists from kindergarten through graduate school. Our Program Managers meet throughout the year with Apple education representatives to plan and promote ASI. The event served over 100 education professionals. Surveyed participants rated ASI at 98 % for satisfaction and effectiveness.

PCATT IT Symposium
The 14th Annual IT Symposium brought teachers from Hawai‘i schools and colleges together for two days of informational sessions in education technology and technology education. The conference was attended by 121 teachers and professionals in education technology from around the state. We received a rating of 4.5 on a 5 point scale.

Science Bowl
We hosted the Hawaii Regional Science Bowl which brought together 19 teams of high school students from across the state to compete in a Jeopardy-style science and math competition. PCATT is and has always been a sponsor of the 2016 Hawaii Science Bowl. PCATT is represented by a Vice President position on the Hawaii Science Bowl Executive Committee.
PyNow
PCATT partnered with Booz Allen Hamilton to offer the first PyNow Conference and Competition. The event was attended by 72 Oahu and neighbor island students and community members. This led to the development of Python training at PCATT.

Aso College
Coordinated a week of technology training activities for teachers from our partner Aso College based in Fukuoka, Japan. They toured UHM and Honolulu CC, Leeward CC, and Kapiolani CC, to learn about how we conduct technology training. The students and their teacher chaperones, together PCATT staff visited OceanIT for design learning activities.
Other Training

PCATT personnel volunteered and supported a number of educational initiatives.

- Engineering Academy
- International Shipyard Managers
- Construction Academy
- Hawaii State Science and Engineering Fair
- Summer School Enrollment Drive

Marine Welding Program

Working off some of the successes we had with offering this program in past years, in meetings with industry stakeholders who represented the maritime industry here in Hawaii, the Hawaii National Guard Youth Challenge (HNGYC) program representatives, UH Systems Office Director of Workforce Development, and faculty from our Welding program here at HCC, we decided to expand our training to the youth population. The program was comprised of 130 hours of theoretical and hands-on training which focused on Blueprint Reading, OSHA 10 Safety, Workmanship, and Welding. The cohort started off with ten participants, with three participants ultimately completing the program and getting placed with jobs in member ship repair companies here in Hawaii.
Electrical Journeyman Training
We continue offering our electrical related coursework in the areas of Electrical Continued Competency for those who are already licensed in need of meeting their continuing education requirements for re-licensing purposes, as well as our Electrical Journey Worker Academic coursework for those wanting to become licensed electricians who need to meet the State mandated educational coursework in order to qualify to take the electrical licensing exam. For this annual report period, 957 number of participants completed our Electrical Continued Competency classes and 59 number of participants completed our Electrical Journey worker coursework.

Emeritus College
Engaging the older adult in learning technical skills enhances their quality of life, opens communication, and creates a social environment critical for the intellectual health of our aging population. Through the Emeritus College, 33 people were served through existing courses and new courses were added in learning about mobile devices and computer security.

Social Media
Social media is a great means of communication with the public at large to share PCATT training opportunities and the latest technologies. On PCATT's Facebook page, 9 out of 10 postings with the highest reach are related to technology in Hawaii. On Twitter, the top PCATT tweet for the fiscal year was about the core group behind GenCyber Hawaii (NSA Hawaii, ITS, and PCATT). It received over 25,000 impressions.
Staff Development

PCATT staff participated in a number of professional development opportunities, such as:

- TAACT Round One JCI train-the-trainer for teaching sustainability courses
- Women Leaders in Higher Ed meeting
- Hilo Destiny registration conference
- Destiny GROW! conference in Texas
- VMworld
- National Council for Continuing Education & Training
- Hawaii Great Teachers Seminar
**Collaboration**

PCATT hosted booths and exhibits at a number of venues to reach a broad customer base.

- AFCEA TechNet Asia Pacific – military, federal, and government technology and communications companies
- Society of Human Resource Managers – annual Hawaii conference for human resource professionals for people who make training decisions
- Hawaii Small Business Fair – two fairs serving small business owners and entrepreneurs.

**Policy and Oversight Board**

PCATT reconstituted the Advisory Board as the Policy and Oversight Board with 10 new members from private and government agencies:

- Randall Cieslak
  Chief Information Officer
  US Pacific Command
- Alan Ito
  Information Security Officer
  Hawaii Pacific Health
- Doug Simons
  Executive Director
  Canada France Hawaii Telescope
- John Constantinou
  STEM Specialist and Liaison
  University of Hawaii
  OVPRI/STEM Pre-Academy
- Laurie LaPorte
  Chief Strategist
  NSA Hawaii
- Christine Lanning
  President
  Integrated Security Technologies
- Isla Young
  Director
  K12 STEM Education and Women in Technology (WIT)
  Maui Economic Development Board
- Sam Sneed
  Attorney
  ES&A Inc., A Law Corporation
- Shawn Reese
  Science & Technology Chair
  General Dynamics Lead AIS
- Christine Lanning
  President
  Integrated Security Technologies
- Christine Lanning
  President
  Integrated Security Technologies
- Christine Lanning
  President
  Integrated Security Technologies

We collaborate with members of business, industry, and government agencies to conduct market needs assessment to inform program offerings and curricula by maintain membership in:

- SHRM
- Chamber of Commerce
- AFCEA

Outside Training needs are met by optimizing facilities use by creative scheduling and program planning. This enables PCATT to incorporate training facilitation, such as:

- Training Boot Camps
- Sharepoint Saturday
Certifications
The PCATT Test Center is a dedicated facility for the purposes of proctoring certification. Pearson Vue and Kryterion are the primary sponsors for the certification exams. The exam proctors must recertify every 180-365 days to maintain proctoring rights. The Test Center provides convenience for candidates who complete PCATT training in areas such as:

- Cisco
- VMware
- Microsoft
- CompTIA
- BISCI
- Oracle

Prior Learning Assessment
Proactively engaged in efforts to improve participation in Prior Learning Assessment (PLA) and non-credit-to-credit conversion for MELE, Welding, Early Childhood Education, and the CENT program.

Hawaii Innovation Initiative
PCATT improves diversification of Hawaii’s economy. The result is the creation of more high quality jobs in the State. We strive to lead the development of innovation, education, and training that address the challenges and opportunities faced by Hawai’i.

Department of Labor and DevLeague Grant Partnership
The Department of Labor received the funding award for its American Apprenticeship Initiative’s IT grant which PCATT is a partner of. PCATT received $125K in grant funds which will be used towards curriculum development in training areas such as Business Analysis, IT Security Support Specialist, Security and other areas as identified through working with employer partners. This is a five-year grant focused on training 300 participants in IT related fields. We continue to work with grant partners and reaching out to employers to build this apprenticeship program.

Trade Adjustment Assistance Community College and Career Training Grant (TAACCT) Round IV
For TAACCT Round IV, we worked closely with our grant partners, Academic Affairs office, CENT program and fellow cybersecurity leads from each of our sister campuses on the hiring of a TAACCT Consortium Cybersecurity Coordinator. We managed the effort to hire this Coordinator.

Entrepreneur Training
We worked closely with our grant partners in the Academic Affairs office and with our counterparts from Kapiolani Community Colleges’ Entrepreneurship program to contract the Impact Hub Honolulu Team. The Impact Hub Team executed the entrepreneurship program for students across the UHCC System. This program provided an opportunity to build out their business ideas, with the help of local venture capitalists. There were a total of ten teams making up this inaugural cohort. The program was motivated by XLR8UH and helped create a pipeline to the XLR8UH program.

High Performance Mission Driven System
In alignment with the University of Hawaii strategic plan, PCATT models itself as a high-performance mission driven system. We employ sound business practices and base our direction from insights formulated from data collected within the operation and external resources. PCATT maintains a business plan with an annual projected budget. Quarterly progress reports ensure financial viability as well as trends in areas such as enrollment in different program areas.

PCATT completed tasks initiated from insights derived from these queries:
- Alternative delivery methods to optimize class run rates
- Operating procedures reviewed and revised
- Centralized filing and lifetime management implemented for efficiency
PCATT staff works together with other campuses in a consortium effort to provide solutions for registration and marketing. The PCATT web site was redesigned by our web developer using Wordpress. PCATT Destiny Integration (PDI), a browser plug-in, was also developed to extract course data from the registration system to be displayed on the PCATT website.

Improvements to classrooms were also completed this year:
- Upgraded computer labs with secure Windows 10 OS
- Replaced whiteboards in classrooms with whiteboard walls
- Installed new high-resolution projectors with active lighting

**PCATT Consortium Initiatives and Funding by Campus**

A total of $37,148.00 of PCATT consortium funds were used to provide 13 awards for the fiscal to support consortium partners:
- Hawaii Community College
- Kapiolani Community College
- Kauai Community College
- Leeward Community College
- Windward Community College
- University of Hawaii, Maui College
The PCATT Story

PCATT as a concept was started in the year 2000 during a recession when both the construction and tourist industries were down. The idea was to diversify the economy to attract tech companies to Hawaii. To make this happen, a trained workforce was needed, thus the concept of an advanced technology training center.

Among the forward-thinking senators who created PCATT were David Ige, K. Mark Takai, David Morihara, and Carol Fukunaga.

Seventeen years later, PCATT continues to operate successfully as a consortium of the University of Hawai‘i community colleges, offering leadership and training on all islands in current and emerging technologies.
## AT A GLANCE

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**Overall Customer Satisfaction:** 99.1%  
*Based on a 5 point scale*
Customer Distribution

- Training Facilitation Total 14%
- Early Childhood Total 34%
- Trades Total 17%
- Technology Total 4%
- Senior Citizens Total 4%
- Seminar Total 1%
- General Education Total 1%
- High Stakes Testing Total 25%

Revenue

- General Education 6%
- High Stakes Testing 6%
- Senior Citizens 1%
- Training Facilitation 13%
- Technology 36%
- Trades 29%