

# College of Tropical Agriculture and Human Resources/Hawaii Aquaculture and Aquaponics Association Workshop

When: Saturday, November 12, 2011,  
Doors Open for Registration at 08:00 and  
program ends at 16:00.

Where: Windward Community College  
Hale Akoakoa Rooms 101 – 105



College of Tropical  
Agriculture and Human  
Resources



What: CTAHR's aquaculture extension program and HAAA will be holding a workshop that will highlight ongoing aquaculture/aquaponic research and extension activities at the University of Hawaii as well as aquaculture related activities in Hawaii. The workshop will be combined with the HAAA annual meeting and learn about what HAAA does for its stakeholders and join the crowd to make the industry stronger and more vibrant as it strives to meet the challenges facing our island community.

## Workshop Agenda

November 12, 2011

Windward Community College, Hale Akoakoa Room 101 – 105

08:00 – 09:00 Open Registration and Continental Breakfast

09:00 – 09:15 Introductions: Ron Weidenbach (HAAA)

09:15 – 09:30 David Nakao, Millilani High School. Comparison of Growth and Survival of Tilapia Fry Using Different Rearing Methods and Feedstock Approaches.



Millilani  
High School



09:30 – 10:00 Leina'ala Bright, Hawaiian Studies, UHM: Waihona la'au lapa'au, Aquaponic Hawaiian Herbal Medicine Cabinet.

10:00 – 10:15 Kiara Sakamoto, Molecular Biosciences and Bioengineering, CTAHR: Extending aquaponics to the Pacific Islands: American Samoa

10:15 – 10:30 Bradley Fox, Molecular Biosciences and Bioengineering, CTAHR: Update on CTAHR Research Investigating the Use of Vermicompost in Aquaponic Vegetable Production

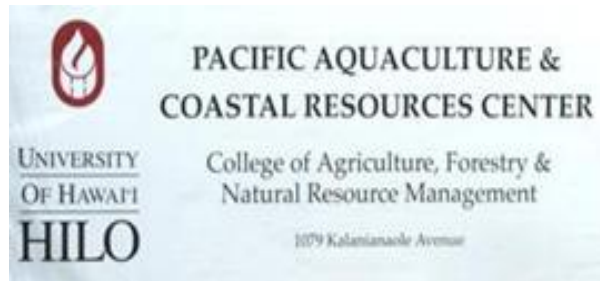
### 10:30 – 10:45 Coffee Break

10:45 – 11:00 Dong-Fang Deng, Oceanic Institute: Potential Application of By-Products from Fisheries, Agriculture and Biofuel Industries--- Nutrition and Toxicology Research by the Aquatic Feeds and Nutrition Department at Oceanic Institute.



11:00 – 11:15 Anthony Ostrowski, Oceanic Institute: Status of Oceanic Institute's Pilot Aquatic Research Feed Mill.

11:15 – 11:30 Warren Dominy, Oceanic Institute: Review of Oceanic Institute's AFN Standard Research Diets for moi, kahala, shrimp, opihi, abalone, and urchin, that were manufactured at the Oahu Research Feed Mill Workshop



11:30 – 11:45 Kevin Hopkins: Pacific Aquaculture & Coastal Resources Center, UH Hilo. Current Status of Tilapia and Sturgeon Research at PACRC.

11:45 -12:00 Maria Haws, Pacific Aquaculture & Coastal Resources Center, UH Hilo : Bivalve culture in Hawaii-advances and challenges.

### 12:00– 13:00 Bento Lunch and Garrett Sprinkle Grow It Hawaii Video

13:00 – 13:15 Harry Ako, Molecular Biosciences and Bioengineering, CTAHR: Aquaculture of the giant opihi, *Cellana talcosa* (ko`ele). Development of an artificial diet.



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13: 15 – 13:30 RuthEllen Klinger-Bowen: Molecular Biosciences and Bioengineering, CTAHR: Performance of red pacu, *Piaractus brachypomus*, cultured alone or co-cultured with Chinese catfish (*Clarius fuscus*)

13:30 – 13:45 Yong Soo Kim, Human Nutrition and Animal Science, CTAHR: Use of biotechnology to improve muscle growth in aquaculture species: Preliminary results with tilapia

13:45 – 14:00 Jinzeng Yang, Human Nutrition and Animal Science, CTAHR: DNA-based identifications of feral and farmed tilapia in Hawaii.

14:00 – 14:15 Clyde Tamaru: Molecular Biosciences and Bioengineering, CTAHR: Update on the Tilapia Rickettsia Like Organism (TRLO) infecting tilapia on Oahu.

**14:15 – 14:30 Coffee Break and Workshop Evaluation**

14:30 - 16:00 Hawaii Aquaculture and Aquaponics Association Annual Meeting

**16:00 ALL PAU**

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**WORKSHOP REGISTRATION FORM**

Name \_\_\_\_\_ Date \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Email \_\_\_\_\_ Phone \_\_\_\_\_

**Workshop Registration Fee**

**\$30.00**

SPECIAL OFFER: Become a 2012 HAAA member by checking the appropriate box in the membership Application Form below. The amount of \$10.00 from the workshop registration fee will be credited towards your membership dues. Paid 2011 HAAA members will be reimbursed and additional \$10 if attending the workshop.

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**2012 HAAA Membership Application Form:**

**Please Check Appropriate Box.**

Commercial Membership (voting) \$30.00\* \_\_\_\_, Sustaining Membership (voting) \$100.00\* \_\_\_\_,  
or Lifetime Membership (voting) \$500.00\* \_\_\_\_. Must provide GET No. \_\_\_\_\_

*\*One voting membership per company, other company members join as Associate members.*

Associate Membership (non-voting) \$15.00 \_\_\_\_\_. Student Membership (non-voting) \$5.00 \_\_\_\_

**Return these completed forms and checks payable to Hawaii Aquaculture and Aquaponics Association to: Hawaii Aquaculture and Aquaponics Association, P.O. Box 29398, Honolulu, HI 96820. Do not send cash.**

**RSVP and prepayment is required. Contact by email: Ron Weidenbach: [hawaiifish@gmail.com](mailto:hawaiifish@gmail.com) (phone 808- 429-3147) or Clyde Tamaru: [ctamaru@hawaii.edu](mailto:ctamaru@hawaii.edu) (phone: 808-342-1063**

# DIRECTIONS TO: Windward Community College and Site of Workshop



## **From Honolulu**

Take the H1 Freeway to Likelike Highway. Go mauka (north) toward Kaneohe. Once you're through the tunnel, take the first exit, which is for Kahekili Highway. At the third stoplight, turn left (mauka) onto Kea'ahala Road, which will take you to the Windward CC campus.

## **From Pearl City and points West**

Take the HI Freeway toward Honolulu. Take the HI-78 East/HI-78 West/I-H3 East exit towards Aiea/Honolulu/Kaneohe (exit #13A) and continue on I-H3 East ramp towards Kaneohe. After you're through the tunnels, take the first exit for Likelike Hwy. Move to the righthand lane and follow it as it merges onto Kahekili Hwy. At the third stoplight, turn left (mauka) onto Kea'ahala Road, which will take you to the Windward CC campus.

## **From Kailua**

Take Kailua Road/Kalaniana'ole Highway toward Honolulu. Make a right turn onto Kamehameha Hwy. At the intersection with Likelike, turn mauka (left). Turn right on to Kahekili Hwy. At the second stoplight, turn left (mauka) onto Kea'ahala Road, which will take you to the Windward CC campus.

## **From Ka'a'awa and points north**

Take Kamehameha Hwy. to Kahalu'u. At the intersection with Kamehameha Hwy, continue forward on Kahekili Hwy. Turn right (mauka) onto Kea'ahala Road, which will take you to the Windward CC campus.

## **From the Airport**

Take the H1 Freeway East to Likelike Hwy. Go mauka (north) toward Kaneohe. Once you're through the tunnel, take the first exit, which is for Kahekili Highway. At the third stoplight, turn left (mauka) onto Kea'ahala Road, which will take you to the Windward CC campus.

The following map will show you where Hale Akoakoa is located when you are on Kea'ahala Road.

# Windward Community College Campus Map

