

University of Hawai'i at Mānoa Outreach College and Hawai'i Energy Policy Forum present

Sakamaki Extraordinary Lectures 2009

This summer-long series of lectures provides a multi-dimensional examination of Hawai'i's progress in the development of clean and renewable energy.

LECTURES ARE FREE AND OPEN TO THE PUBLIC

Advance registration required for Hawai'i Clean Energy Day.

EVENTS BEGIN AT 7PM • ARCHITECTURE AUDITORIUM

unless otherwise noted



Wednesday, May 20



Kilowatt Ours: A Plan To Re-Energize America

An award-winning film that provides simple, practical, affordable solutions to America's energy crisis and shows how we can save electricity, save money and make a difference for the planet.

The Sky's the Limit: Energy Opportunities for Hawai'i

Following the film screening, self-described "serial energy entrepreneur" Darren Kimura discusses some of the renewable energy technologies being explored here in Hawai'i, local prospects for green jobs, and how we can each make simple changes to reduce our energy consumption.



DARREN KIMURA is the President and CEO of Sopogy, Inc., a company that developed a new way to concentrate solar power to create electricity. Kimura, originally from Hilo, began his career in renewables and efficiency in 1992 working as an EPA Green Light Surveyor. He went on to found Hawai'i's own national energy company "Energy Industries" in 1994. Over his career

he has created numerous companies and hundreds of green collar jobs, and traveled the world presenting energy savings tips for consumers and businesses.

Screening of *Kilowatt Ours* sponsored by Kanu Hawai'i

Hawai'i Clean Energy Day

**Saturday, June 6
9:00am – 4:00pm**

Kennedy Theatre & East-West Center

A day of speakers, panels, exhibits, and vigorous discussion centering on the Hawai'i Clean Energy Initiative, an agreement that could position Hawai'i as a leader in energy efficiency and renewable energy development.

The Opportunity of Our Lives: Bringing Clean Energy Home • Keynote address by Christine Ervin



CHRISTINE ERVIN is a nationally recognized leader and spokesperson on market-based strategies for green buildings, clean energy, and climate change. She served as first President and CEO of the U.S. Green Building Council – home of LEED® and GreenBuild™; U.S. Assistant Secretary of Energy under President Clinton; Director of

the innovative Oregon Department of Energy; and President of Christine Ervin/Company, focusing on accelerating sustainable market transformation.

Advanced registration required for Hawai'i Clean Energy Day. \$25 general; \$15 students/seniors, includes lunch. To register and learn more, visit:

www.outreach.hawaii.edu/summer/sustain

Wednesday, June 17

The Poseidon Adventure: A Down-Side-Up Story of Ocean Thermal Energy Conversion • Dr. Hans Krock



The tropical ocean is the largest energy resource in the world and is available through the use of technology that has been proven in Hawai'i. Global warming has actually made this technology more efficient and the global economic crisis has made tapping this resource on a large scale inevitable.

HANS KROCK is an Emeritus Professor of Ocean and Resources Engineering at UH Mānoa and has worked for three decades to develop a practical and economic approach to design, build and use OTEC systems to produce base-load electricity, transportation fuel, cold-water air conditioning, and fresh water.

Wednesday, June 24 • 6:30pm

Native Hawaiian Perspectives on Renewable Energy Development • in Halau o Haumea at Kamakakuokalani Center for Hawaiian Studies



Native Hawaiians have a tradition of caring for the land and the people of these islands. Faced with environmental, economic, and cultural challenges, leaders in the Hawaiian community engaged in the development of clean energy, scholars of cultural and resource management, and state policy-makers

come together to discuss policies and actions to ensure a sustainable energy future for Hawai'i.

Moderator: Ramsay Taum, UHM School of Travel Industry Management and Sustain Hawai'i

Panelists: Michael L. Kaleikini, Puna Geothermal Ventures; D. Noelani Kalipi, First Wind; Davianna McGregor, UHM Ethnic Studies; Myron Thompson, 21st Century Technologies

Discussants: Sen. Mike Gabbard; Rep. Hermina Morita; Pono Shim, Enterprise Honolulu.

Wednesday, July 22

Energy and Greenhouse Gas Solutions for Hawai'i's Economy • Dr. Denise Eby Konan



The energy infrastructure of Hawai'i is more dependent on petroleum than any other state's. Denise Konan shares an analysis of the carbon intensity of Hawai'i's commercial and residential activities. Her study indicates "greening" the visitor sector, utilities, transportation, and residential buildings does more than

help our environment, it can cut the long-run power costs and strengthen our economy.

DENISE KONAN is a professor of economics and former chancellor of UHM. Konan heads the Energy and Greenhouse Gas Solutions of the UH Economic Research Organization, which monitors and models Hawai'i's energy, greenhouse gas emissions and economic activities. She has been an advisor to the World Bank and Council on Foreign Relations.

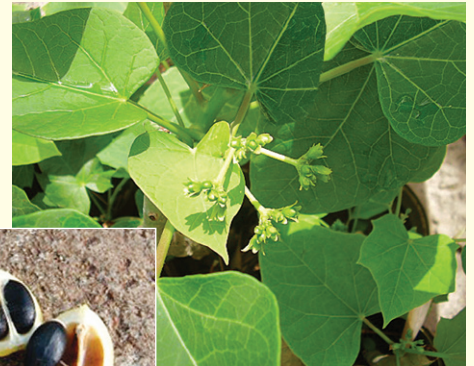
Wednesday, August 5

Biofuel Potential for Hawai'i

Local companies engaged in the research and production of alternatives to fossil fuels, from algae to used cooking oil, discuss current developments in their field and their vision for the future.

Moderator: Maria Tome, DBEDT

Panelists: Frank Chan, Kuehnle Agrosystems; Kelly King, Pacific Biodiesel, Inc.; Scott Turn, Hawai'i Natural Energy Institute; Paul S. Zorner, Hawai'i Bioenergy



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The **Sakamaki Extraordinary Lectures** are an annual summer series extending the intellectual resources of the University of Hawai'i at Mānoa to the community, funded in part by the Shunzo Sakamaki Extraordinary Lecture Endowment at the University of Hawai'i Foundation. Additional funding for the 2009 lectures from the Hawai'i Energy Policy Forum's Koaniani Fund at the Hawai'i Community Foundation.

For more information, visit www.outreach.hawaii.edu/community or call 956-8246.