Introduction to the REIS Program

Professor Tony Kuh

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Location: Holmes Hall 244, Date: Thursday, August 26, 2010, Time: 4:30 – 5:30 pm

About the speaker: Anthony Kuh received his B.S. in Electrical Engineering and Computer Science at the University of California, Berkeley in 1979, an M.S. in Electrical Engineering from Stanford University in 1980, and a Ph.D. in Electrical Engineering from Princeton University in 1987. Dr. Kuh previously worked at AT&T Bell Laboratories and has been on the faculty in Electrical Engineering at the University of Hawaii since 1986. He is currently a Professor and Chair of the department. He is also currently serving as the director of the interdisciplinary renewable energy and island sustainability (REIS) center. Dr. Kuh's research is in the area of neural networks and machine learning, adaptive signal processing, sensor networks, communication networks, and renewable energy applications.

Dr. Kuh won a National Science Foundation Presidential Young Investigator Award and is an IEEE Fellow. He was also a recipient of the Boeing A. D. Welliver Fellowship and received a Distinguished Fulbright Scholar’s Award working at Imperial College in London. Dr. Kuh was an Associate Editor for the IEEE Transactions on Circuits and Systems, served on the IEEE Neural Networks Administrative Committee, served on the IEEE Neural Networks for Signal Processing Committee, and was a Distinguished Lecturer for the IEEE Circuits and Systems Society. Dr. Kuh co-chaired the 1993 International Symposium on Nonlinear Theory and Its Applications (NOLTA) and served as the technical co-chair for the 2007 IEEE ICASSP both held in Honolulu. He is currently on the Board of Directors of the Electrical and Computer Engineering Department Heads Association and on the Board of Governors of the Asia Pacific Signal and Information Processing Association.

Abstract

This talk gives an introduction to Hawaii’s energy landscape and the REIS program. The state of Hawaii’s and the US Department of Energy (DOE) signed a memorandum of understanding in 2008 known as the Hawaii Clean Energy Initiative (HCEI) requiring 70% of Hawaii’s energy comes from clean sources by 2030.

At the beginning of 2009 we formed a multidisciplinary research and education program at the University of Hawaii’s at Manoa, (REIS) to focus on renewable energy, energy efficiency, sustainability, and smart grids. The REIS group won an internal UHM sustainability competition in 2009 and this past April won a DOE work force training grant in the Strategic Training and Education in Power Systems. In this seminar, we discuss the goals of our group including building the REIS program, research, and education activities, and interfacing with other UHM sustainability efforts, outside academic institutions, industry, and government.