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TIME: Wednesday, 10:00AM, June 05, 2013 **LOCATION: A601 NAOC**

Building Collaborations and Preparing the Next Generation of Scientists and Engineers

Prof. Lisa Hunter

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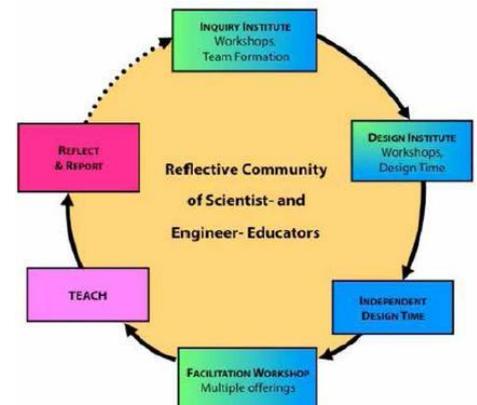


Lisa Hunter is the founder and Director Institute for Scientist and Engineer Educators (ISEE) at University of California at Santa Cruz, and the Akamai Workforce Initiative (AWI) at the University of Hawaii at Manoa Institute for Astronomy. ISEE and AWI were both developed by Hunter while she was the Education Director at the Center for Adaptive Optics. She now manages programs for undergraduate and graduate students and a range of other activities aimed at workforce development and promoting the advancement of students from diverse background into science and engineering careers. She works closely with scientists

and engineers to increase access and opportunities for students, and building partnerships that bridge academia, industry, government, and the community. Hunter has many publications, including a volume of 45 papers on professional development of scientists and engineers, and serves on a number of national committees.

Abstract

The ISEE Professional Development Program (PDP) has been preparing graduate students, postdoctoral researchers, and professionals to be effective and inclusive educators for thirteen years. Participants in the PDP go through a series of workshops organized into “institutes” and then design and teach their own lab unit in an ISEE program or course. PDP teams are often interdisciplinary, inter-institutional, and increasingly international. They teach units in undergraduate programs that build research skills, and support critical transitions in higher education. Teams also design and teach units on specialty topics (for example adaptive optics) for technical summer schools, aimed at graduate students and professionals. PDP participants gain teaching, mentoring, collaboration, communication, and other professional skills. The PDP was originally developed by the Center for Adaptive Optics (CfAO), and was a key ingredient in the CfAO building a successful and collaborative community – that is, when the graduate students began working together, collaboration increased. This talk will summarize the PDP, and introduce a proposed new program to use the PDP model to stimulate international collaborations and new opportunities for graduate students.



All are welcome! Tea, coffee, biscuits will be served at 2:15 P.M.