

Education & Human Resources Center for Adaptive Optics

High Tech Maui Industry Education Exchange

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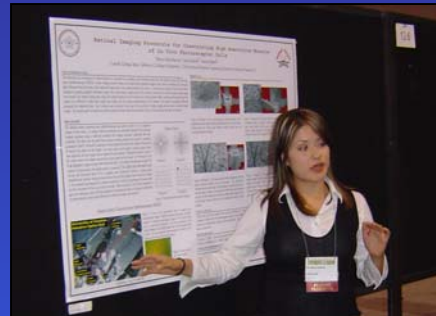
March 18, 2005



CfAO Education & Human Resources



Stars, Sight and Science
(high school)



Internships
(college)



Short Courses
(college)



Hawaii Partnerships
(college)



**Professional Development
Workshop**
(grad & postdoc)



Education 286
(grad student)

Major Elements of CfAO Hawaii Partnership



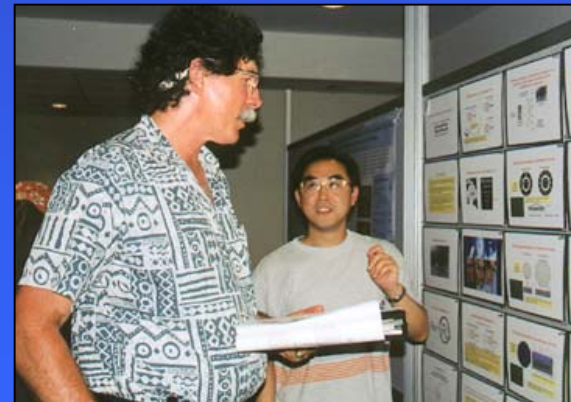
Akamai Program - Maui



Akamai Program - Big Island



Professional Development Workshop



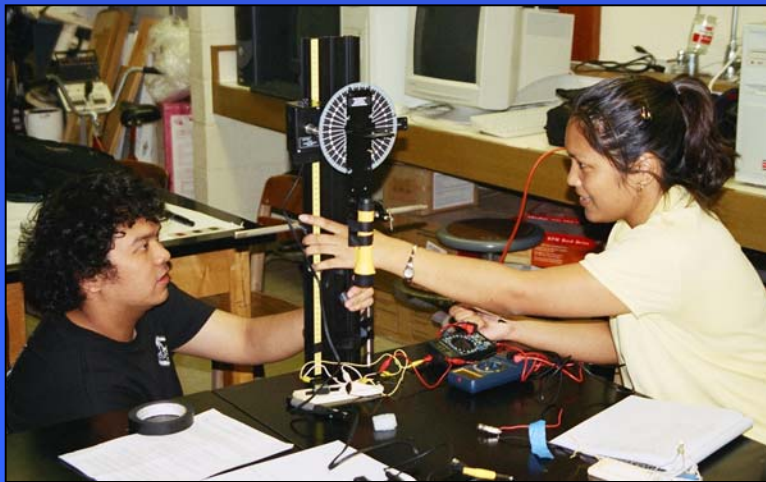
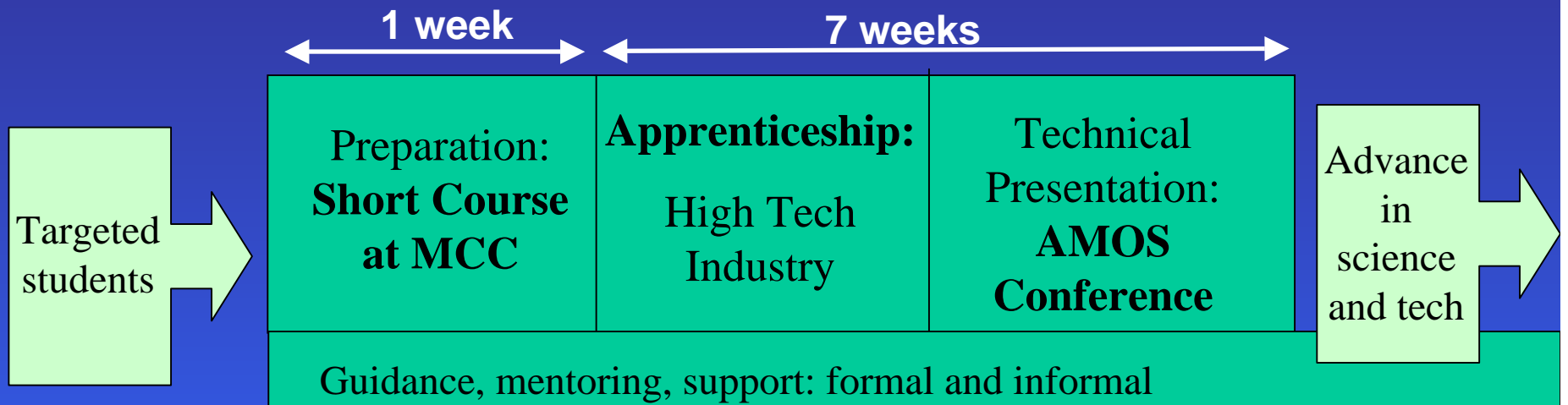
High Tech Maui Industry Education Exchange

Professional Development Workshop



- Graduate students, postdocs, and education partners
- 6 day workshop
 - Inquiry teaching
 - Curriculum design
 - Tour of Haleakala facilities led by AMOS
 - High Tech Maui Industry Education Exchange
- The group includes of astronomers, physicists, electrical engineers, optical engineers, vision scientists, science educators.

Akamai Internship Program



Internship Hosts:

Boeing, Trex, Akimeka,
IFA, MHPCC, Oceanit,
Keck, Textron, Northrop
Grumman, General
Dynamics

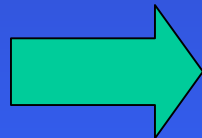
~ 10 students/summer⁵

Preparing interns for research experience: Inquiry



Practical teaching experience in Akamai Program:

CfAO Workshop on Maui each spring:



Inquiry teaching

Partners:
Exploratorium,
UCSC Education
Dept., CILS

Akamai Big Island Internship Program



Includes 5-day short course for preparation for observatory work

Akamai Maui Internship Program



Includes 5-day short course for preparation in optics & electronics

CfAO/Maui Partners



- Maui Economic Development Board (MEDB)
- Maui Community College (MCC)
- Air Force Maui Optical and Supercomputing Site (AMOS)
- High tech industry

