

# Education & Human Resources Center for Adaptive Optics

## High Tech Maui Industry Education Exchange

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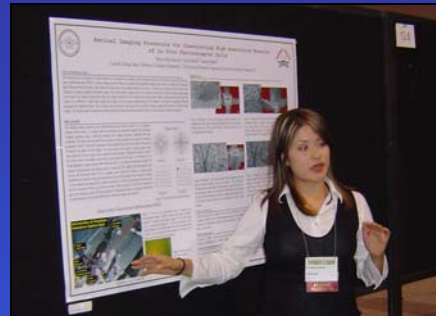
March 18, 2005



# 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

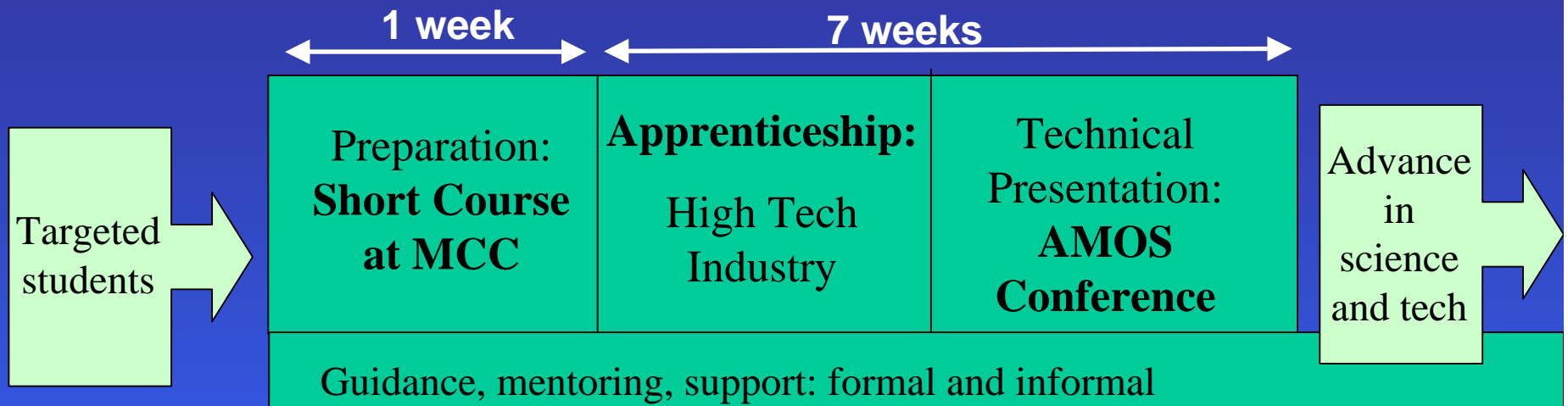
# Professional Development Workshop

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- 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/summer<sup>5</sup>

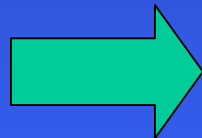


# Preparing interns for research experience: Inquiry



## 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

