

The mission of CfAO EHR is to increase interest and participation in science through innovative projects that tap the unique resources of the CfAO, integrate Center research and education, and build a research community that fosters diversity.

Center for Adaptive Optics Education & Human Resources

OCTOBER 2006

SPECIAL POINTS OF INTEREST:

- **New EHR Staff Member**
- **CfAO Interns are Advancing to Graduate School and the Technical Workforce**
- **2007 Professional Development Program**
- **2006 SACNAS Conference**

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New EHR Staff Member

Please help us welcome Scott Seagroves to the CfAO EHR team. Scott is an astronomer and will take on the position of Academic Coordinator. Hilary O'Bryan will take over much of Malika Bell's position, becoming the primary point of contact for interns. Malika has advanced into a new position at UC Santa Cruz, working with students in the biomedical sciences.

2006 EHR Summer Programs

Our 2006 summer programs were a big success! These programs would not have been possible without all the help that we received from generous graduate students, post docs, faculty and research scientists. Thank you! Many of the projects that our students completed can be found online:

Intern Profiles and Projects:
<http://cfao.ucolick.org/EO/internshipsnew/profiles.php>

Stars, Sight and Science Projects:
<http://cfao.ucolick.org/EO/starssightscience/>

Photos from all the programs can be found in our picture gallery:
<http://cfao.ucolick.org/EO/allphotos.php>



2007 Professional Development Program

The CfAO Professional Development Program (PDP) is a flexible, multi-year program for scientists and engineers at the early stages of their careers, with a primary focus on graduate students. Participants in the PDP attend a 5 day teaching workshop held each spring.

They work on a design team during and after the workshop, continue developing skills through mini-workshops and expert consultation, and put their new teaching skills into practice. The practical teaching experience takes place in one of CfAO's educational programs or courses, acting as a "teaching lab" for PDP participants.

The 2007 workshop will be held March 2-6, 2007. Applications are due Nov. 1, 2006. The application and more information can be found at: <http://cfao.ucolick.org/EO/PDWorkshop/current.php>

2006 SACNAS Conference

9 Mainland Interns, 5 Maui Interns and 10 Hawaii Island Interns will be attending the SACNAS conference in Tampa, FL in October. Many received financial aid awards to attend the conference and will be presenting posters that describe their summer research.

CfAO Interns Advance to Graduate School

- Kerry Highbarger (2001 intern at LLNL, S. Olivier, 2002 intern at Indiana Univ., D. Miller) is at Ohio State Univ. in the physics program.
- Maribell Huerta (2002 intern at Univ. of Houston, A. Roorda) is at the School of Optometry at the University of Houston.
- Amanda Young (2002 intern at UCLA, A. Ghez) is in the applied mathematics graduate program at Virginia Tech.
- Carlos Cabrera Andres (2003 intern at UCLA, J. Larkin) is in the electrical engineering graduate program at UCSC.
- Oscar Azucena (2003 intern at LLNL, S. Olivier) is pursuing a Ph.D. in electrical engineering at UCSC.
- Bautista Fernandez (2003 intern at UCSC, J. Cabak, D. Cowley) has started graduate studies in electrical engineering at UCSC.
- Alex Gittens (2003 intern at LLNL, S. Olivier) is pursuing a Ph.D. in applied mathematics at the California Polytechnic Institute.
- Monica Pinon (2003 intern at Indiana Univ., D. Miller) is enrolled in the School of Optometry at UC Berkeley.
- Jaclyn Plandowski (2003 intern at Univ. of Rochester, D. Williams) is pursuing a M.S. degree in electromagnetics from UCLA.
- Jennifer Tom (2003 intern at MHPCC, 2004 intern at Akimeka) is a graduate student at UH Manoa in information & computer science.
- Nella Barrera (2004 intern at UCSC, S. Severson) started graduate school at UC Irvine in mechanical & aerospace engineering this fall.
- Nathan Kimura (2004 intern at Textron, J. Addison, P. Billings) is enrolled in the computer science graduate program at Columbia Univ.
- Danielle Robbins (2004 intern at UCSC, J. Christou) is a graduate student in applied mathematics at Arizona State University.
- Michael Cooney (2005 intern, Keck Observatory, J. Chin) is an electrical engineering graduate student at UH Manoa.
- Rigo Dicochea (2005 intern at UCSC, M. Reinig) is enrolled in the electrical engineering graduate program at UCSC.
- Mark Nishimura (2005 intern at Subaru Telescope, H. Takami) is in the applied mathematics graduate program at Arizona State Univ.

CfAO Interns Advance to the Workforce

- Mark Elies (2003 intern at MHPCC, M. Skinner, M. Berning, 2004 at Akimeka, S. Oshita) is working at Maui Community College on an image database for the MALT project.
- Michael Ecsedy (2003 intern at Oceanit, C. Leonard, D. O'Connell) is a junior telescope technician and observer at Oceanit in Maui.
- Thomas Emmsley (2003 intern at Boeing, J. Zhang) is a computer operator at the Maui High Performance Computing Center (MHPCC).
- Jennifer Holt (2003 intern at UCSC, D. Faber) is currently working as a data process developer at Gemini Observatory in Hawaii.
- Diana Lozano, (2003 intern at Univ. of Rochester, D. Williams) is conducting research at the Navy Refractive Surgery Center while completing her degree at San Diego State University.
- Nella Barrera (2004 intern at UCSC, S. Severson) is working as a design engineer at Parker Hannifin Aerospace Group in Irvine while attending graduate school.
- Sunny Cabello (2004 intern at MHPCC, M. Greene) is a computer operator at the Maui High Performance Computing Center.
- Joe Curamen (2004 intern at Keck Observatory, J. Chin, S. Anderson, 2005 intern at MCC, M. Hoffman, M. Ammons) is a senior computer operator at the University of Arizona.
- Delmar Dominno (2004 intern at Oceanit, M. Giffin, D. O'Connell, E. Walker, A. Knox, B. Boshikon) is employed at Road Runner, a telecom company.
- Rima Fata (2004 intern at UCLA, J. Larkin) is a software engineer for Northrop Grumman in San Diego.
- John Fujita (2004 intern at the Pacific Disaster Center, M. Napier) is a lab technician at Maui Community College.
- Melina Kari (2004 intern at Oceanit, M. Giffin, D. O'Connell, E. Walker) is a product verification engineer at Spirent Communications in Honolulu.
- Sahar Kashef (2004 intern at UCSC, J. Cabak) is working in the control systems division at Parker Hannifin Aerospace Group in Irvine.
- Vinya Agluba (2005 intern at SMA, R. Christensen) is a manufacturing engineering for Boeing in Mesa, Arizona.
- Ryan Baptiste (2005 intern at Northrop Grumman, A. Esquibel, H. Wergers) is working in Kauai at the Pacific Missile Range Facility.
- Time Bilton (2005 intern at Univ. of Rochester, D. Williams) currently works for Edmund Optics in New Jersey.
- Daniella-Dawn Manansala-DuBois (2005 intern at Akimeka, R. Harris, J. Gaylord) is a display operator at the Pacific Missile Range Facility in Kauai.
- Mark Mizubayashi (2005 & 2006 intern at MHPCC, K. Roe, T. Meyer) is working full time at Akimeka in Maui.
- Victoria Sensano (2005 intern at MSRC, D. Hope) is a part time telescope operator technician at Oceanit and attends Maui Community College.
- Pearl Yamaguchi (2005 intern at Subaru Telescope, S. Colley) is a product engineer with the Neurological Device team at the Medtronic Microelectronic Center in Tempe, Arizona.

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