



Akamai Internship Symposium: Waimea

Monday, Aug 5, 2024 9:00am–11:30am

Jerry Nelson Conference Room, W.M. Keck Observatory Headquarters, Waimea, HI

Introduction & Opening Comments

Lisa Hunter, Director, Akamai Workforce Initiative, Univ. of California Observatories

Kekoa Alip, Community Relations Coordinator, W. M. Keck Observatory

Intern Presentations

Claire Kildahl, KOWA Premium Foods Hawaii - *Improving Edible Macroalgae Production and Shelf Life in Aquaculture Farming Systems*

Anthony Lau, W. M. Keck Observatory - *Improving the Atmospheric Correction Model for Keck's Data Reduction Pipeline*

Rachel McDulin, Blue Ocean Barns - *Evaluation of Tank Materials for Mitigation of Non-Target Species in Methanogenesis-Inhibiting Algae Cultures*

Tatum Umiamaka, W. M. Keck Observatory - *Rebuilding the Calibration Setup Process for a High-Order Deformable Mirror*

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Carina McCartney, W. M. Keck Observatory - *Designing Optical Component Mounting Solutions for W. M. Keck's Lens Alignment Station*

Christian Yadao, Canada–France–Hawaii Telescope - *Designing and Installing a Dual-SO₂ and Particle Sensor Device for VOG Detection at the Maunakea Summit*

Mark Mori, Canada–France–Hawaii Telescope - *Developing a Finite Element Model of the Canada-France-Hawaii Telescope's Primary Mirror Support System for Optical Analysis*

Light refreshments to follow

The Akamai Workforce Initiative is led by the Institute for Scientist & Engineer Educators at University of California Observatories, in partnership with the University of Hawai'i at Hilo.

Advancing the next generation of Hawaii's science, engineering and technology professionals