



Akamai Internship Symposium: Maui

Wednesday Aug 7, 2024 8:30am-11:30am

UH Maui College, Ka'a'ike (KAA) Room 105 A-D

Introduction & Opening Comments

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

Intern presentations will occur in two concurrent sessions

Session 1

Jeffrey Yopez, Daniel K. Inouye Solar Telescope - *Informing DKIST Targeting Decisions for Optimal Coronal Observations Based on Solar and Sky Conditions*

Dyther Jay Bugtong, Daniel K. Inouye Solar Telescope - *Designing and Building a Permanent Coudé Load Bearing Sensing System for the Daniel K. Inouye Solar Telescope*

Samantha Limon, Daniel K. Inouye Solar Telescope - *Science Operations Specialist Group Daily Report Form Upgrade*

Elijah Flores, Daniel K. Inouye Solar Telescope - *Cooling the Sun: Thermal Analysis and Redesign of DKIST Heat Stop Coolant Loop*

~ BREAK ~

Session 2

Emily Lei, Privateer Space - *Scripting for Space: Creating Software to Validate Privateer's Hardware*

Jane Davis, Maui High Performance Computing Center - *Designing and Developing a Web Portal GUI*

Jonathan Merchant, KBR - *Developing a Control System for the Mai Tai Telescope's Shortwave Infrared Camera*

Elsa Wong, Pacific Disaster Center - *Developing and Automating DisasterAWARE® Analytic Reports for the Pacific Disaster Center*

~ BREAK ~



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Session 1

Session 2

Liliana Royer, Maui High Performance Computing Center - *Evaluating Uncertainty and Explainability of AI/ML Generated Satellite Models*

Catherine Cornella, Daniel K. Inouye Solar Telescope - *Build Better: Prototyping Maven Build Tools for DKIST Software*

Roman Kala Romanowski, KBR - *Optimizing Telescope Locations to Observe Satellites*

Erin Taketa, Daniel K. Inouye Solar Telescope - *Designing a Testing Framework for the Daniel K. Inouye Solar Telescope Safety System*

Rosa Coles, Air Force Research Laboratory - *A New Era: Creating and Using a CMOS Camera Characterization Pipeline*

Trinity Parascandola, Daniel K. Inouye Solar Telescope - *Correlation or Causation: Solar Flares and Delta Sunspots with Strong Horizontal Magnetic Field Lines*

Sierra Morales, Space Systems Command - *Deep Learning in Support of Space Domain Awareness*

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