



**Spring 2011**

## **FELLOWSHIP & TRAINEESHIP MEETING**

**Saturday, April 30, 2011, at University of Hawaii at Mānoa  
In POST building, room 723**

- 8:00** Registration, refreshments available (POST 703)  
(Note: POST 723 will be open for presenters to set up their talks)
- 9:00** Welcome – Dr. Ed Scott, Associate Director (POST 723)  
Hawai'i Space Grant Consortium Fellowship and Traineeship Program
- 9:10** Overview of Space Grant Activities – Dr. Luke Flynn, Director  
Hawai'i Space Grant Consortium

### **PRESENTATIONS**

- 9:15** **Kimberly Rottas (UHM Fellow) – Fading of Slope Streaks on Mars**
- 9:27** **Ryan Bishop (UHM Fellow) – Mineralogical Study of Volcanic Sublimates from Halemaumau Crater, Kilauea Volcano**
- 9:39** **Amanda Yamamoto (UHM Fellow) – Underwater Sampling System for High-Temperature Extremophiles**
- 9:51** **Chester Lim (NASA Intern at JPL) – Development of On-Board Aurora Image Processing Algorithms on the ISAAC Platform**
- 10:03** **Jennifer Beyer (UHM Fellow) – Finding Companions of M Dwarf Stars Using Data from Wide Angle Search for Planets**
- 10:15** **Cyril Botelho, Robert Garvida, Tisha Kurokawa, and Kira-Ashley Taylan (Kauai CC Trainees)**  
– HSFL – Kauai: Rocketry, Weather System and Telemetry
- 10:30** **COFFEE BREAK – Location: Room 703 (10:30am–10:50am)**
- 10:50** **James Bishop (UHM Fellow) – Exploring Radar as a Higher Resolution Method for Mapping TiO<sub>2</sub> in Lunar Basalts**

- 11:02 **John Furumo (UHM Fellow) – Two-Phase Micro-channel Heat Sink Cooling Loop for Spacecraft Thermal Control**
- 11:14 **Stanley Weber, Mitchell Heins, Ghian Paolo Pajarillo, Shohan Islam (Kapiolani CC Trainees) – CanSat Competition**
- 11:26 **Briana Hurley (UHH Fellow) – Statistically Determining the Likelihood of Finding Cosmic Strings**
- 11:38 **Todd Esposito, Joleen Iwaniec, Patrick Lancaster, Jasmine Maru, Kristi Ross (Windward CC Trainees) –CanSat: ARLISS Results / USLI Updates**
- 11:50 **Zachary Lee-Ho (UHM Master’s Apprentice) – Control Design for a Small Satellite Reaction Wheel for Attitude Control**
- 12:02 **GROUP PHOTO – Location: Outdoors (Put on your best smile!) ☺**
- 12:15 **LUNCH BREAK – Location: Room 703 (12:15pm–1:00pm)**
- 1:00 **Kevin Roy (UH Maui Trainee) – Searching for and Tracking Near-Earth Objects and Potentially Hazardous Asteroids**
- 1:12 **Nathaniel Hiraoka, Samuel Plunkett Jr. (Windward CC Interns) – Astronomical Research and Outreach at WCC’s Lanihuli Observatory**
- 1:24 **Jamie Scharf (UHH Fellow) – The Calibration of the Optical Imager for the Hoku Ke’a Telescope**
- 1:36 **Samantha Jacob (UHM Fellow) – Solar Wind Volatile Preservation**
- 1:48 **Jeffrey Griffith and Eric Jordan (Kapiolani CC Trainees) – Autonomous Mapping Platform (AMP)**
- 2:00 **End of Symposium**

**THANK YOU FOR YOUR PARTICIPATION AT OUR  
SPRING 2011 UNDERGRADUATE FELLOWSHIP AND TRAINEESHIP SYMPOSIUM.**

**MAHALO NUI LOA & ALOHA!!!**

