



FALL 2015
FELLOWSHIP & TRAINEESHIP SYMPOSIUM
Saturday, November 21, 2015
University of Hawai'i at Mānoa
Hawai'i Imin International Conference Center, Keoni Auditorium

9:30 Registration (Keoni Auditorium)

[NOTE: Keoni Auditorium will be open at 9 a.m. for presenters to set up their talks]

10:30 Welcome & Overview of Space Grant Activities –

- Dr. Edward Scott, Fellowship & Traineeship Program Associate Director
Hawai'i Space Grant Consortium
- Dr. Luke Flynn, Director of Hawai'i Space Grant Consortium and Hawai'i
Space Flight Laboratory
- Dr. Vassilis Syrmos, University of Hawai'i System Vice President for
Research and Innovation
- Dr. Peter Mouginis-Mark, Former Hawai'i Space Grant Consortium Director

ORAL SESSION #1 – Chair: Dr. Edward Scott (UH Mānoa)

10:45 Logan Magad-Weiss (UH Mānoa Fellow) – The Effects of Laser Space Weathering on Derived Iron Composition in San Carlos Olivine, Idaho Pyroxene, and Stillwater Anorthosite

10:57 Kimberly Teehera (UH Mānoa Fellow) – Secondary Minerals in Lava Tubes on Mauna Loa

11:09 Amy Brittain (UH Hilo Fellow) – Spectral Analysis of Newborn Stars in the Horsehead Nebula and Orion Bok Globules

11:21 Wilfred Gee (UH Hilo Fellow) - Demonstrating Exoplanet Discovery with the PANOPTES Citizen-Science Project

11:33 Hawai'i Space Flight Laboratory Trainees: Glenn Galvizo, Christianne Izumigawa, Tina Li, Andrew Nguyen, Adrianna Saymo, and Chase Yasunaga – New Mexico Sounding Rocket Team of Cubesat Research and Development Project

GROUP PHOTO 11:45am – 12:00pm [Garden]

LUNCH BREAK 12:00pm – 1:00pm [Basement]

ORAL SESSION #2 – Chair: Dr. Kenneth Hon (UH Hilo)

- 1:00 Special Guest Speaker:**
Ms. Michelle Bradley, Hawai`i Space Grant Fellowship Recipient (2007)
- 1:10 Kyla Defore (UH Hilo Fellow) – Formation Processes of Martian Gully Systems**
- 1:22 Jasmin Silva (UH Hilo Fellow) – Evolution of Strong CIV and MgII Selected Absorption Systems at $1.48 \leq z < 2.28$**
- 1:34 Derek Hand (UH Hilo Fellow) – The Care and Growth of Merging Galaxies and their Central Black Holes**
- 1:46 Nicolette Thomas (UH Hilo Fellow) – Biologic Analog Science Associated with Lava Terrains (B.A.S.A.L.T.)**

POSTER SESSION, COFFEE BREAK 1:58pm – 2:15pm

[Posters located at the back of the auditorium]

- **Amber Mokolke (UH Mānoa Trainee) – Reviving a Thermal Infrared Spectrometer: Challenges, Accomplishments, Data**
- **Jamison Domingsil (UH Hilo Trainee) – Using Unmanned Aerial Vehicles and Object-Based Image Analysis to Detect Miconia Calvescens on Hawai`i Island**
- **Alexander Hedglen (UH Hilo Trainee) – Learning Data Reduction of Astronomical Spectra**

ORAL SESSION #3 – Chair: Dr. Joseph Ciotti (Windward CC)

- 2:15 Darylene McLeod (Kaua`i CC Trainee) – Mechanical Modeling of Neutron Detecting Scintillators**
- 2:27 Project Imua RockSat Trainees – A UH Community College Collaborative Approach to Designing, Fabricating, Assembling and Testing a Scientific Payload for Launch Onboard RockSat-X**
- **Honolulu CC: Matthew Mau, Suraj Mehta, and Marcus Yamaguchi**
 - **Kapi`olani CC: Kala`imoana Garcia, Jarren Endrina, Yu Gong, and Cody Shinsato**
 - **Kaua`i CC: Nicholas Herrmann, Kaina Allard-Mahoney, Ryan Uyesono, and Brennen Sprenger**
 - **Windward CC: Elena Barbour, Kalanikapu Copp, Keith Nakamatsu, Cale Mechler, and Madori Rumpungworn**
- 2:47 Guest Speakers: Hawai`i Space Flight Laboratory - Post Launch: Lance Yoneshige, Jeremy Chan, Isaac Rodrigues, and Amber Imai-Hong**
- 3:02 Special Ceremony**
- 3:20 Video: Celebrating 25 years of the Hawai`i Space Grant Consortium**
- 3:30 End of Symposium**