



Spring 2016

FELLOWSHIP & TRAINEESHIP SYMPOSIUM

Saturday, April 23, 2016

University of Hawai'i at Mānoa

Pacific Ocean Science and Technology (POST) Building, Room 723

8:00a Registration [POST 703]

[NOTE: POST 723 will be open at 7:30 a.m. for presenters to set up their talks]

9:00 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

ORAL SESSION #1 - [POST 723]

- 9:15 Aleca Borsuk (UH Mānoa Fellow) – Spatial Optimization of Artificial Lighting for Space Grown Amaranth**
- 9:27 Kyla Defore (UH Hilo Fellow) – Formation Processes of Martian Gully Systems**
- 9:39 Derek Hand (UH Hilo Fellow) – Molecular Gas in Merging Galaxies**
- 9:51 Kaimi Kahihikolo (UH Mānoa Fellow) – Impacts of Radio Jet Driven Outflows on Host Galaxy Evolution**
- 10:03 Kapi`olani CC CanSat Team: Teanu Aumua, Ying Kit Chui, Isaac DeMello, Jessic Grazziotin, Alexine Niro, Geena Wann-Kung – CanSat Competition 2016**

COFFEE BREAK 10:15am – 10:35am [POST 703]

ORAL SESSION #2 - [POST 723]

- 10:35 Lauren Mathews (UH Mānoa Fellow) – Nutrition & Elemental Stoichiometry of Zooplankton Life Stages**
- 10:47 Warren McKenzie (UH Mānoa Fellow) – Aspects of a Depression on Elysium Mons, Mars, using HiRISE Imagery**

- 10:59 Kimberly Teehera (UH Mānoa Fellow)** – Microbial Habitats in High-Altitude Lava Tubes
- 11:11 Nicolette Thomas (UH Hilo Fellow)** – Biologic Analog Science Associated with Lava Terrains (B.A.S.A.L.T.)

POSTER SESSION 11:23am – 11:40am [Posters located in POST 723]

- **Alexander Hedglen (UH Hilo Trainee)** – Learning Data Reduction of Astronomical Spectra
- **Amber Mokolke (UH Mānoa Trainee)** – Modeling Micrometeorite Impacts
- **Taylor Pave (UH Mānoa Trainee)** – Real-Time Measurements using a Graphical User Interface in Correspondence to Wirelessly Transmitted Data
- **Preston Tran (Kap`iolani CC Trainee)** – Exploration of Voids Distribution in the Vicinity of the Biggest Super Massive Black Holes using Public Cosmic Void Catalog
- **Andre Wang (Honolulu CC, USDA NIFA Awardee)** – Launching Model Rockets with Payloads

GROUP PHOTO 11:40am – 11:55am [Facing Sakamaki Hall]

LUNCH BREAK 11:55am – 12:35pm [POST 703]

ORAL SESSION #3 - [POST 723]

- 12:35 Matthew Yee (UH Mānoa Fellow)** – Designing an ECU CPU for Radiation Environment
- 12:47 Glenn Galvizo, Christianne Izumigawa, Joshua Lam, Tina Li, Andrew Nguyen, Adrianna Saymo, Pei Sheng Xu, and Chase Yasunaga** – Hawai`i Space Flight Laboratory: Sounding Rocket Trainees
- 1:03 Project Imua RockSat Trainees:**
- **Kaua`i CC: Nicholas Herrmann, Kaina Allard-Mahoney, Darlyne McLeod, Brennen Sprenger, and Ryan Uyesono** – Jimmy Neutron and Hammerhead Cam (a.k.a Thermal/Gamma Detection in a Suborbital Mission)
 - **Windward CC: Elena Barbour, Richard Kahakui, Cale Mechler, Keith Nakamatsu, and Madori Rumpungworn** – Super Simple Sublimation Rocket (ScubeR)
 - **Honolulu CC: Suraj Mehta, Onkar Nerukar, and Marcus Yamaguchi** – Using Inertial Measurements and Digital Image Processing to Track Motion.
 - **Kapi`olani CC: Kala`imoana Garcia, Jarren Endrina, Yu Gong, and Cody Shinsato** – Subsystem Integration in Collaboration with HSFL

1:35pm End of Symposium



**MAHALO FOR YOUR PARTICIPATION AT OUR
SPRING 2016 FELLOWSHIP AND TRAINEESHIP SYMPOSIUM AND FOR
HELPING US CELEBRATE 25 YEARS OF THE
HAWAI`I SPACE GRANT CONSORTIUM!**

