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 Mokelke (UH Mānoa Trainee) – Modeling Micrometeorite Impacts
- Tayler 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 Intertial Measurements and Digital Image Processing to Track Motion.

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!**