



Fall 2018

FELLOWSHIP & TRAINEESHIP SYMPOSIUM

Saturday, November 17, 2018
University of Hawai'i at Mānoa
POST Building, Rm. 703 & Rm. 723

- 8:00 Registration (LOCATION: POST 703)**
[NOTE: Presenters can set up their talks during break times]
- 9:00 Welcome & Overview of Space Grant Activities (POST 723) –**
- Dr. Peter Englert, Associate Director for the Fellowship & Traineeship Program, Hawai'i Space Grant Consortium
 - Dr. Luke Flynn, Director for the Hawai'i Space Grant Consortium and Hawai'i Space Flight Laboratory

ORAL SESSION #1 (POST 723)

- 9:10 Samuel Dobry (UH Mānoa Fellow) –** Development of a Modular Three-Axis Testbed for 6U CubeSat Attitude Determination and Control Systems
- 9:22 Lauren Ward (NASA Summer Intern) –** Seasonal Dynamics in Vegetation Solar Induced Fluorescence Associated with Climate and CO₂ Dynamics
- 9:34 Adrian Ramirez (UH Mānoa Fellow) –** Development of High-Performance Hierarchical Multifunctional Polymer Nanocomposites Employing Carbon Nanotube Nanoforests for Space Applications
- 9:46 Knyte Bennett-Jeremiah and Mia Fong (HCC Trainees) –**
ARLISS 2018: Comeback Competition ASEP Payload Design and Results
- 9:58 Damien Apilando, Dylan Boeman, Kat Bronston (WCC Trainees) –**
ARLISS Project
- 10:10 Traineeship Poster Presenters: 1-minute summary (POST 723)**
****Traineeship posters will be on display in room 703****

TRAINEESHIP PRESENTERS –

- **Mahealani Kini & Agnes Straatman (Kapi'olani CC Trainees) –** A Rover Prototype Designed for In-Situ Resource Utilization of Utopia Planitia's Ice Reserves
- **Matthew Kohatsu & Cassidy Siegrist (Kapi'olani CC Trainees) –** Development of Astrodynamics Simulations to Calculate Intercept Trajectories of Nuclear ICBM Projectiles

TRAINEESHIP PRESENTERS (Continued) –

- **Kiyomi Sanders (Kapi'olani CC Trainee)** – Analysis of Galaxies Density Profile By Morphologic Type in the Vicinity of TON 618, the Largest Super Massive Black Hole in the Universe using the High Energy Astrophysics Science Archive Research Center (HEASARC)
- **Jami Stout (Kapi'olani CC Trainee)** – Prototyping Drag Devices and Landing Struts for a Small Planetary Lander
- **Joel Pederson (UH Mānoa Trainee)** – Development of a Nadir Sensor Stimulator
- **Preston Rodrigues-Magsayo & Alexander Meyer (UH Maui College Trainees)** – CanSat Competition 2019

10:20-10:35 REFRESHMENT BREAK & TRAINEESHIP POSTER SESSION

ORAL SESSION #2 (POST 723)

- 10:35 Collin Takasaki (HSFL Intern)** – Summer Internship with Teledyne Brown Engineering 2018
- 10:47 Lean Teodoro (UH Mānoa Fellow)** – Analysis of Solar System Building Blocks using TEM
- 10:59 Reginald Tolentino (UH Mānoa Fellow)** – Development of High-Performance Hierarchical Multifunctional Ceramic Nanocomposites from Preceramic Polymers and Nanomaterials for Space Applications
- 11:11 Michelle Masutani (HSFL Intern)** – Summer Internship at Teledyne Brown: Supporting the Secondary Payloads Integration and Evolution (SPIE) Office
- 11:23 Knyte Bennett-Jeremiah, Mia Fong, Adrianna Saymo, Gerimi Tangonan, Johnathan York & Ryan Young (HCC Trainees)** – NASA Student Launch Competition: Deployable Rover with Soil Sample Collection
- 11:35 Mike Andrews, Kat Bronston, Adam Macalalag, Matthew Nakamura, Eric Takahashi, Leomana Turalde, and Lauren Grzegorzcyf (WCC Trainees)** – NASA Student Launch Project

11:47 GROUP PHOTO (Location: Outside of POST Building)
12:00 LUNCH AVAILABLE FOR ALL ATTENDEES (POST 703)

MAHALO FOR YOUR PARTICIPATION AT OUR FALL 2018 FELLOWSHIP AND TRAINEESHIP SYMPOSIUM AND FOR SUPPORTING HSGC!

