



SPRING 2013
FELLOWSHIP & TRAINEESHIP SYMPOSIUM
Saturday, April 27, 2013
University of Hawai'i at Mānoa at POST 723

8:00 Registration and refreshments available

[NOTE: POST 723 will be open for presenters to set up their talks]

9:00 Welcome – Dr. Ed Scott, *Fellowship & Traineeship Program Associate Director*
Hawai'i Space Grant Consortium

Overview of Space Grant Activities – Dr. Luke Flynn, *Director*
Hawai'i Space Grant Consortium

PRESENTATIONS

9:10 James Bynes III (UHM Fellow) – Experimental Design for the Measurement of the Thrust Force Produced by an Asymmetrical Capacitor

9:20 Lisa Kotowski (UHM Fellow) – The Forces Produced and Observed by an Asymmetrical Capacitor Thruster

9:30 Brayden Van Ackeren (UHM Fellow) – Analysis of the Formation of Central Mounds within Martian Craters

9:40 Dominique Boeder (Kaua'i CC Trainee) – Collection of UV Data and Comparison to Total Solar Irradiance

9:50 Heidi Needham (UHM Fellow) – Investigation of Layered Lunar Mare lava Flows through Lunar Reconnaissance Orbital Camera Imagery and Terrestrial Analogue

10:00 Kristen Barsoumian, Ada Garcia, Lyra Hancock, Warren Mamizuka & Kristi Ross (Windward CC Trainees) – USLI/ARLIS Updates

COFEE BREAK 10:10am – 10:30am [POST 703]

10:30 Meghann Decker (UHH Fellow) – Roots of the Halema'uma'u Crater Acid Sulfate System on Kilauea Volcano

10:40 Justin Bergonio (UHM Fellow) – Advanced Near Earth Asteroid Tracking

10:50 Laura Corley (UHM Fellow) – The Geology of the North Pole of the Moon

11:00 Jeffrey Dorough (Kaua'i CC Trainee) – Collection and Analysis of E-CALLISTO Solar Flare Spectrometer Data

- 11:10 Kenneth Dobbs (UHM Fellow)** – Reevaluating Elemental Abundance on the Moon
- 11:20 Jordan Bledsoe (UHH Fellow)** – Studying the Effects of Initial Mass Function and Metallicity on the Star Formation Rate

GROUP PHOTO 11:30am – 11:40am [Entrance of POST Building]

LUNCH BREAK 11:40am – 12:40pm [POST 703] – Poster presentations

- **Brooke Winans (UHM Trainee)** – Lava Flows of Elysium Mons
 - **Jesse Ray Johnson (HCC Trainee)** – Instrumentation Development for Closed Habitat Experiments
 - **Matthew Mau (HCC Trainee)** – Closed Plant/Animal Habitat Oxygen and Carbon Dioxide Cycles
 - **Samuel Eastwood, Curt Hiraga, Jesse Johnson, Claudia Kamiyama, Mitchell Loo, Matthew Mau & Filipino Tusiano (Honolulu CC Trainees)**
– Microcontroller Applications
- 12:40 Justin Nicholas (UHM Fellow)** – Presenting Current Mercury MESSENGER Information on the Magic Planet for General Audiences
- 12:50 John Furumo (UHM Fellow)** – Cold-Gas Propulsion for Small Satellite Attitude Control, Station Keeping, and Deorbit
- 1:00 Marcus Yamaguchi (Kaua'i CC Trainee)** – Verification and Design of KCC Ground Station for Hawaii-SAT1 Mission
- 1:10 Travis Reardon (UHH Fellow)** – Application of LIDAR Topographical Data for Mapping of Climate-Related Sea Level Rise
- 1:20 Rae-Zan Belen, McClyde Gaborno, Kelsey Kawaguchi, Diamond Tachera, Joshua Tamayo, Logan Tamayo & Taylor Viti (Kapi'olani CC Trainees)**
– CanSat
- 1:30 End of Symposium!**

**THANK YOU FOR YOUR PARTICIPATION AT OUR
SPRING 2013 FELLOWSHIP AND TRAINEESHIP SYMPOSIUM.**

MAHALO NUI LOA & ALOHA!!!

