



FALL 2012

FELLOWSHIP & TRAINEESHIP SYMPOSIUM

Saturday, November 17, 2012,

Windward Community College at the Hokuani Imaginarium

8:00 Registration, refreshments available, Hale 'Imiloa 133

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

9:00 Welcome – Dr. Ed Scott, *Associate Director*

Special Guest – Dr. Doug Dykstra, *Windward CC Chancellor*

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

PRESENTATIONS

9:10 Justin Bergonio (UHM Fellow) – Near Earth Asteroid Tracking and Assistance in Orbit Determination

9:22 Kolby Javinar & Jacob Matutino (Kauai CC Junior Fellows) – Assembling the E-Callisto Project

9:34 Jordan Bledsoe (UHH Fellow) – Studying the Effects of Initial Mass Function & Metallicity on the Star Formation Rates in Regions with unusually Low Balmer Decrements

9:46 Daniel Wukelic (AMES Intern) – Conceptual Design of Two Short-Haul Civil Tiltrotors

9:58 Kenneth Dobbs (UHM Fellow) – Improvements on Gamma Ray Spectrometry

COFEE BREAK 10:10am – 10:30 [Hale 'Imiloa 133]

10:30 Kyle Berney (UHM Fellow) – Lunar Temperature Calculations on a Graphics Processing Unit

10:42 Elyse Iseke (UHM Fellow) – Comparing Crater Formulations on the Moon and Mercury

10:54 Evan Greer (UHM Fellow) – Meteorologically Driven Simulation of an Adaptive Wind Turbine

11:06 Ken Oyadomari (AMES Intern) – PhoneSat: Using Consumer Electronics in Space

11:18 James Bynes III (UHM Fellow) – Acceleration and Thrust of an Asymmetric Capacitor in a Microgravity Environment

GROUP PHOTO 11:30pm – 11:40pm [Entrance of WCC’s New Library]

LUNCH BREAK 11:40pm – 12:40pm [Hale ‘Imiloa 133]

→ Poster Presentation

- **Brayden VanAckeren (UHM Trainee) – Topographic Analysis of Martian Land Forms**

12:40 Lisa Kotowski (UHM Fellow) – An Asymmetrical Capacitor Thruster in Microgravity

12:52 Taylor Alfiler (Kauai CC General Dynamics Intern) – IP Fragmented Packet Reassembly

1:04 Kristen Barsoumian, Ada Garcia, Lyra Hancock, Warren Mamizuka, & Kristi Ross (Windward CC Trainees) – Windward Community College ARLISS (A Rocket Launch for International Student Satellites)

1:16 John Furumo (UHM Fellow) – Cold-Gas Propulsion for Small Satellite Attitude Control, Station Keeping, & De-Orbit

**1:30 Special Planetarium Show – “Maunakea Between Earth and Sky”
by Dr. Joseph Ciotti**

2:00 End of Symposium!

**THANK YOU FOR YOUR PARTICIPATION AT OUR
FALL 2012 FELLOWSHIP AND TRAINEESHIP SYMPOSIUM.
MAHALO NUI LOA & ALOHA!!!**

