



Spring 2010

FELLOWSHIP & TRAINEESHIP MEETING

**Saturday, April 24, 2010, at University of Hawai'i at Mānoa on Oahu
In POST 723**

- 8:00 Registration, refreshments available (POST 703)
*NOTE: POST 723 will be open for setup.
- 9:00 Welcome – Dr. Ed Scott, Associate Director (POST 723)
Hawai'i Space Grant Consortium Fellowship and Traineeship Program
- 9:05 Overview of Space Grant Activities – Dr. Luke Flynn, Director
Hawai'i Space Grant Consortium

PRESENTATIONS

- 9:10 Samantha Jacob (UHM Fellow) – Are Martian Slopes Streaks Triggered by Dust Devils?
- 9:22 Yu Ming Cai (UHM Fellow) – Design and Analysis of Thermal Control Sub-System of Hawaii Satellite
- 9:34 Michael Andonian (UHM Fellow) – Guidance and Control of Autonomous Underwater Vehicles
- 9:46 Sophie Milam (UHM Fellow) – Bioremediation of Lunar Regolith Via Microbial Metabolism
- 9:58 Corey Shimabukuro (UHM Trainee) – Data Control for underwater Remotely Operated Vehicles (ROVs)
- 10:10 COFFEE BREAK (10:10am–10:30am): Poster presentations from the *Windward CC CanSat Trainee team to report on their ARLISS efforts*
- 10:30 Asael Temple (UHM Fellow) – Validation Techniques for Satellite Image Compression Algorithms
- 10:42 Premitivo Ames II, Todd Esposito, Joleen Iwaniec, Patrick Lancaster

(Windward CC) – University Student Launch Initiative

- 10:54 Michael Erorita (Kauai CC Trainee) – Antenna Tower and Ground Station
- 11:06 Adonara Elizabeth Mucek (UHM Fellow) – Changes in Deep Ocean Circulation from Last Glacial Maximum to Present
- 11:18 Jonathan Bauer (UHH Fellow) – Weather Modeling for Astronomy Observations at Kiloheku Observatory
- 11:30 GROUP PHOTO – Location: 1st Floor (Put on your best smile!) 😊
- 11:45 LUNCH BREAK – Location: POST 703 (11:45am–12:45pm) – Poster presentations by *Dana Johnson* (UHM Fellow) & *Jeff Griffith* (Kapiolani CC CanSat Trainee) on their preparation for the CanSat Competition in Armarillo, Texas.
- 12:45 Bao Jun Lei (UHM Fellow) – Design of Electrical Power Subsystem Using The CubeSat Stackable Interface
- 12:57 Nicole Wade (UHM Fellow) – Microbial Population Analysis of a Volcanic Subglacial Lake
- 1:09 Matthew Markley (UHM Fellow) – Characterization of Temperature Dependent Macrostructure and Internal Elastic Properties of Boron Nitride Coated SiC Fibers: Application to NASA Aerospace Materials Research
- 1:21 Zachary Lee-Ho (UHM Master’s Apprentice) – Momentum Management of HawaiiSat
- 1:33 End of Symposium

**THANK YOU FOR YOUR PARTICIPATION AT OUR
SPRING 2010 UNDERGRADUATE FELLOWSHIP AND TRAINEESHIP SYMPOSIUM.**

**Please return your name badges at the
end of the symposium.**

MAHALO NUI LOA & ALOHA!!!

