



Spring 2017

FELLOWSHIP & TRAINEESHIP SYMPOSIUM

Saturday, April 22, 2017

University of Hawai'i at Mānoa

Pacific Ocean Sciences and Technology (POST) Building, Room 723

8:00 Registration

[NOTE: Session #1 Presenters can set up their talks during this time]

9:00 Welcome & Overview of Space Grant Activities –

- Dr. Edward Scott, Fellowship & Traineeship Program Associate Director of Hawai'i Space Grant Consortium
- Dr. Luke Flynn, Director of Hawai'i Space Grant Consortium and Hawai'i Space Flight Laboratory

ORAL SESSION #1

Session Chair: Dr. Edward Scott

- 9:15 Marielle Dela Cruz (UH Mānoa Fellow) – Analyzing Cometary Dust Tails Using Finson-Probstein Modeling**
- 9:27 Kaimi Kahihikolo (UH Mānoa Fellow) – Thieving Stars Caught by Kepler: A Search for Intermittent Accretors in Kepler Binary Systems**
- 9:39 Travis Thieme (UH Hilo Fellow) – Small-Scale Physical Properties of Nebulae in Nearby Disk galaxies**
- 9:51 Jason Tremblay (UH Mānoa Fellow) – Topographic Influences on Emplacement Dynamics of Lava Flows on Mars**
- 10:03 Jeffrey Kleyner (UH Mānoa Fellow) – Ages of Stars in Upper Scorpius Through Kinematic Motion**

COFFEE BREAK: 10:15 a.m. – 10:35 a.m. [POST 703]

- 10:35 Yosef Ben Gershom (UH Mānoa Fellow) – Effects of Body Forces on Flow Boiling Heat Transfer in Microchannels Through Dynamic Testing**
- 10:47 Brialyn Onodera (UH Mānoa Fellow) – Body Force Effects on Flow Boiling Heat Transfer in Microchannels**
- 10:59 Zachary Langdalen (UH Mānoa Fellow) – Disposal of Volcanic Ash on Mars: Particle Shape Analysis**
- 11:11 Allen Jake Aromin and John Tristan Palanca (Univ. of Guam Fellows) – Design and Programming of a Drilling System for Water Extraction from Subsurface Planetary Ice**

POSTER SESSION: 11:35 a.m. – 12:00 p.m. [POST 723]

POSTER SESSION PRESENTERS

- **Daryl Albano (UH Hilo Trainee)** – Developing a Computer Vision System for Autonomous Rover Navigation
- **Cameron Asaoka (UH Mānoa Trainee)** – Examining Why Lunar Permanently Shadowed Regions Appear Dark in the Ultraviolet
- **Callie Crowder (UH Hilo Trainee)** – Integration and Commissioning of the New UH Hilo Hoku Ke`a Observatory
- **Tianna Barber (Windward CC Trainee)** – Identifying and Measuring Geological Features Photographed by Curiosity near the Bagnold Dunes
- **Brian Swilley (Kapi`olani CC Trainee)** – Survey of Elliptical Galaxies in the vicinity of the Biggest Super Massive Black Holes using the High Energy Astrophysics Science Archive Research Center

GROUP PHOTO 12:00 p.m. – 12:15 p.m. (LOCATION: Front Lawn)

LUNCH BREAK 12:15 p.m. – 1:00 p.m. (LOCATION: POST 703)

ORAL SESSION #2

Session Chair: Dr. Joseph Ciotti

- 1:00** **Lean Teodoro (UH Mānoa Fellow)** – Assessment of New Extraterrestrial Dust Collection at Mauna Loa Observatory
- 1:12** **Project Imua (Windward CC): Cale Mechler, Damien Apilando, Pingyang Liu and Nicolas Herrmann (Kaua`i CC)**
– A Space Test for the Super Simple Sublimation Rocket (ScubeR)
- 1:24** **Project Imua (Honolulu CC): Onkar Nerurkar, Syrus Valdivia and Xiao Hau Li** – Monitoring Sub-Orbital Flight with Onboard Cameras and Data Controller
- 1:36** **Jeffrey Bareng, Holly Flores, Jason Marcos, Joseph McConnell, Alejandro Ruck Vega and Kainani Santos (Leeward CC CanSat Trainees)** – Team No Na Me'e: Leeward CC CANSAT 2017
- 1:48** **Jason Salseg and Matthan Mejia (Kapi`olani CC Trainees)**
– Toward the Design of an Underwater Remotely Operated Vehicle for Subsea Exploration on Europa
- 2:00** **End of Symposium**

**MAHALO FOR YOUR PARTICIPATION AT OUR
SPRING 2017 FELLOWSHIP AND TRAINEESHIP SYMPOSIUM
AND FOR SUPPORTING HSGC!**

