



SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY
UNIVERSITY OF HAWAI'I AT MĀNOA

GES PROGRAM

SENIOR THESIS PRESENTATIONS

Presenters:

Whitney Ko

David Hashisaka



Friday, December 12, 2014 – 2:00 pm
MSB 114

Free Ice Cream Social !!

following the presentations
3:00 pm
MSB Courtyard



This event is sponsored by
The Global Environmental Science
Undergraduate Program



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GES

SENIOR THESIS PRESENTATIONS

Gavin Mura

Undergraduate Student
Global Environmental Science
University of Hawai'i



*"Determining the Microdiversity of SAR11
Bacterioplankton within a Coastal Zone"*

Mentors:

Christine Shulse, UH Department of Oceanography
Michael Rappe, Hawaii Institute of Marine Biology (HIMB)

Friday, August 29, 2014 – 2:00 pm

MSB 114

*Refreshments will be served following the presentations
in MSB 200*



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The Global Environmental Science
Undergraduate Program

GES SENIOR THESIS PRESENTATION

Heidi Needham

Undergraduate Student
Global Environmental Science
University of Hawai‘i

*“Investigation of Layered Lunar Mare
Lava Flows Through
LROC Imagery and Terrestrial Analogs”*

Mentor:

Sarah Fagents, Hawaii Institute of Geophysics and Planetology (HIGP)

Friday, May 9, 2014 – 2:00 pm
MSB 100

*Refreshments will be served following the presentations
in MSB 200*

GES SENIOR THESIS PRESENTATIONS

<u>Time</u>	
2:30	<p>Chase Roberts -- "Estimating the Fecundity of Monchong, <i>Eumegistus illustris</i>, at Cross Seamount"</p> <p>Mentors: Kevin Weng, JIMAR and Dept. of Oceanography and Chris Kelley, HURL and Dept. of Oceanography</p>
2:50	<p>Conor Jerolmon – “Torrid Footprints: Exploring the origins of a mysterious structure in the solar corona”</p> <p>Mentor: Shadia Habbal, UH Institute for Astronomy</p>
3:10	<p>Raimu Sato – “The Use of Biochar for Soil Amendment and Its Impact on Soybean Rhizobia”</p> <p>Mentor: Brandon Yoza, Hawaii Natural Energy Institute (HNEI)</p>
3:30	<p>Emile Meder – “Hydrogen Sulfide Emissions of Geothermal Development in Hawaii”</p> <p>Mentors: Eric DeCarlo, Dept. of Oceanography and Donald Thomas, Hawaii Institute of Geophysics and Planetology (HIGP)</p>

Friday, December 20, 2013 – 2:30-4:00 pm
POST 127

*Refreshments will be served following the presentations
in MSB 200*

GES SENIOR THESIS PRESENTATIONS

<u>Time</u>	
1:00	Monica Garcia – “Quantifying coral reef cryptofauna diversity of Oahu and Kauai islands using Autonomous Reef Monitoring Structures” Mentor: Jeffrey Drazen, Dept. of Oceanography
1:20	Erika Mizokuchi – “Cation Exchange Capacity and Carbon Quality of Biochar and Biochar Amended Soils” Mentor: Susan Crow, Dept. of Natural Resources and Environmental Management

Friday, August 9, 2013 1:00-1:45 pm
MSB 100

*Refreshments will be served following the presentations
in MSB 200.*

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GES PRESENTATIONS CONTINUED

<u>Time</u>	
3:00	<i>Title change</i> Jenny Bernier – “Evaluation of Arsenic Uptake by Marine Sediments” Mentor: Eric DeCarlo, Dept. of Oceanography

Thursday, August 15, 2013 3:00-3:30 pm
MSB 315

GES SENIOR THESIS PRESENTATIONS

<u>Time</u>	
10:00	<p>Alyssa Agustin – “Marine Debris Deposition Patterns in the North Pacific Relative to Forcing Factors”</p> <p>Mentors: Mark Merrifield, Dept. of Oceanography and James Potemra, Hawaii Institute of Geophysics and Planetology</p>
10:20	<p>Hyang Yoon – “Low frequency modes on two fringing reefs: Observations & dynamics”</p> <p>Mentor: Janet Becker, Dept. of Geology & Geophysics</p>
10:40	<p>Christina Johnson – “Temporal and Vertical Dynamics of Unicellular Cyanobacterial Diazotrophs in the North Pacific Subtropical Gyre”</p> <p>Mentor: Matthew J. Church, Dept. of Oceanography</p>
11:00	<p>Reagan Grant – “Age and growth of the divine dwarf goby <i>Eviota epihanes</i> from O'ahu, Hawai'i”</p> <p>Mentor: Alan Friedlander, Dept. of Biology</p>
11:20	<p>Bryan Chinaka – “Desalinization and Bio-Purification Using Hydrates”</p> <p>Mentor: Stephen Masutani, Hawaii Natural Energy Institute</p>
12:00pm- 1:00pm	<i>Lunch Break</i>
1:00	<p>Jiayu Tu – “Assessment of the wind resource at the Grace Pacific Quarry site in Kapolei, Oahu”</p> <p>Mentor: Steven Businger, Dept. of Meteorology</p>
1:20	<p>Kelly-Rose Lariosa – “Assessing Rainwater Harvesting & Groundwater Recharge in Kaiaka Bay Watershed, O'ahu, Hawai'i”</p> <p>Mentor: Aly El-Kadi, Dept. of Geology & Geophysics</p>
1:40	<p>Kimberley Mayfield – “A Summary of the Submarine Groundwater Discharge (SGD) in Kahana Bay: Spatial and Intra-Daily Variability”</p> <p>Mentors: Henrieta Dulaiova, Dept. of Geology & Geophysics and Craig Glenn, Dept. of Geology & Geophysics</p>
2:00	<p>Jennifer Killinger – “The Art of Inspiring Science Through Creative Drama: Putting the Fun into the Fundamentals of Earth Science”</p> <p>Mentors: Mark Branner, Dept. of Theatre & Dance and Jane Schoonmaker, Dept. of Oceanography</p>
2:20	<p>Everett Omori – “The structure of planktonic bacterial communities from the nutrient-rich coast of Chile to the ultra-oligotrophic South Pacific Subtropical Gyre”</p> <p>Mentor: Michael Rappé, Hawaii Institute of Marine Biology</p>

Friday, May 10, 2013 10:00am - 3:00 pm
CMORE Moore Conference Center

*Refreshments will be served following the presentations
in MSB 200.*

*Sponsored by the Global Environmental Science Program and
Center for Microbial Oceanography: Research and Education (C-MORE)*