



Optional Tours Friday Afternoon May 31, 2013

Cost per tour: \$30

- Visit **SE Oahu Volcanic Sites** and learn how Oahu was formed. Up to 53 participants.

ARCS Foundation - Honolulu Chapter member and retired University of Hawaii geologist Patty Lee will lead the tour and explain how Oahu was formed. Sites include the Kaimuki Lava Dome, Lanai Look Out, Makapu'u, the Pali Lookout, and others as time permits.

- Visit the **Hawaii Space Flight Laboratory and Central Pacific Hurricane Center** at the University of Hawaii at Manoa. Up to 25 participants.

UHM will soon become the first university in the world with dedicated rocket launch capability, the ability to fabricate the satellites, make the instruments, launch the satellites and have students operate the satellites in space. This multidisciplinary program, supported by a congressional appropriation through the Low-Earth Orbit Nanosatellite Integrated Defense Autonomous System, seeks to promote engineering and science research for space missions, validate small spacecraft technologies, train workers to support unmanned space missions, and promote collaboration between government, academia and industry. View the satellite that will be in testing at the end of May.

The Honolulu office of the National Weather Service located on the University of Hawaii at Manoa campus facilitates research and training with the university's meteorology department and serves as the Central Pacific Hurricane Center. As the 2013 hurricane season opens, learn how scientists are working to improve understanding—and forecasts—of hurricanes.

- Go behind the scenes at the **Waikiki Aquarium**. Up to 25 participants.

Designated as a Coastal Ecosystem Learning Center, the Waikiki Aquarium is the third oldest aquarium in the United States. Its coral propagation program has provided corals for many other aquariums. Focused on the aquatic life of Hawai'i and the tropical Pacific, its exhibits contain over 3,500 marine animals, representing more than 500 species of aquatic animals and plants. Go behind the scenes with the director and Aquarium scientists and learn about its world-renowned coral propagation program and unique species.

- Go behind the scenes at the **Lyon Arboretum** in a tropical rainforest. Up to 25 participants.

Lyon Arboretum and Botanical Garden is the only university botanical garden located in a tropical rainforest in the United States. Hawaii's isolation and variety of microclimates have given rise to some of the most unique examples of insular evolution. It is estimated that 90 percent of Hawaii's native plants are found nowhere else in the world. Put on your walking shoes and go behind the scenes with the director to learn about the Hawaiian Rare Plant Program, see the Beatrice Krauss Ethnobotanical Garden, part of a germplasm "bank" consisting of critically at risk native Hawaiian and culturally significant plants, the propagation lab, the seed bank, and the beautiful grounds.