

**2013 Volcano Awareness Month**  
**Talks at the University of Hawai'i at Hilo**  
**University Classroom Building (UCB) Room 100 ▪ 7:00 p.m.**

For location of UCB (Bldg. 301), see the UHH campus map included below or online at:  
[http://hilo.hawaii.edu/images/maps/main\\_campus\\_map.pdf](http://hilo.hawaii.edu/images/maps/main_campus_map.pdf)

For more information about these talks, email [askHVO@usgs.gov](mailto:askHVO@usgs.gov) or call (808) 967-8844.

**Thursday, January 3**

**The 30th Anniversary of Kīlauea Volcano's East Rift Eruption**

January 3, 2013, marks the 30th anniversary of Kīlauea's ongoing East Rift Zone eruption. During its first 3 years, spectacular lava fountains spewed episodically from the Pu'u 'Ō'ō vent. Since then, nearly continuous lava effusion has built a vast plain of pāhoehoe lava that stretches from the volcano's rift zone to the sea. Although the eruption has been relatively quiet during the past year, with mostly steady, but unusually weak, activity, it has produced some dramatic lava flows in past years. **Tim Orr**, USGS Hawaiian Volcano Observatory geologist, will review highlights from the past 30 years and talk about recent developments on Kīlauea's East Rift Zone.



**Thursday, January 10**

**Looking for Lava in All the Wrong Places—and Finding It in Some**



Most eruptions of Kīlauea come from the summit caldera or the two rift zones. Some, however, occur elsewhere on the volcano. Though unusual, these eruptions tell us much about the internal plumbing of Kīlauea. Join USGS Hawaiian Volcano Observatory geologist **Don Swanson** as he elaborates on this theme in a partly factual, partly speculative, alternative view of Kīlauea.

**Thursday, January 17**

### **Pelehonuamea, Volcanism**

Pualani Kanaka'ole Kanahela, president of the Edith Kanaka'ole Foundation, director of Hawaiian Traditional Knowledge Research at Hawai'i Community College, and author of the award-winning *Ka Honua Ola*, will provide a Hawaiian perspective on volcanism—the “fire” family and their function.



**Thursday, January 24**

### **Mauna Loa: How Well Do You Know the Volcano in Your Backyard?**



Mauna Loa, the largest volcano on Earth, comprises more than half of the surface area of Hawai'i Island. Mapping and dating show that 95% of this active volcano is covered with lava flows less than 10,000 years old. Since 1843, it has erupted 33 times. When Mauna Loa erupts, fast-moving and voluminous lava flows can reach the sea in hours, severing roads and utilities, repaving the flanks and building new land. The growth of Mauna Loa is far

from complete as this huge volcano will undoubtedly erupt again. Join USGS Hawaiian Volcano Observatory volcanologist **Frank Trusdell** as he talks about Mauna Loa's eruptive history and current status.

**Thursday, January 31**

### **Snowballs from Kīlauea?**

You may be familiar with the beautiful red glow that illuminates the night sky around Kīlauea's summit. But the lava within Halema'uma'u Crater emits more than light. The acidic volcanic gases that give rise to vog also interact with the rocks around the vent to create large areas of light-colored mineral coatings. **Ken Hon**, University of Hawai'i at Hilo Geology Professor will talk about his investigation of the submicroscopic wonderland of minerals that sublime from Kīlauea's hot volcanic gases and explain what they mean.



