



Daniel E. Heaton

OSU Adviser: Anthony Koppers

B.S. Geology, Cal Poly Pomona

M.S. Geology, San Diego State University

Current Research Interests:

$^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of IODP Expeditions 324 Shatsky Rise and 330 Louisville Seamount Trail

M.S. Research Interests:

Pb isotope geochemistry of historical Kilauea summit eruptions

M.S. Publications:

- Short Magma Residence Times for Kilauea Volcano Based on High-Precision Pb Isotope Ratios, Goldschmidt 2011, Prague, Czech Republic.
- High-precision Pb isotopic analyses of historical Kilauea summit lavas (1823–1982): Implications for a heterogeneous mantle source and a dynamic magmatic plumbing system, American Geophysical Union 2010, San Francisco, CA.



Pu'u Ō'ō, Hawaii