

Haiyang Liam Kehoe

Contact	Department of Geosciences University of Arizona 1040 E. 4 th Street Tucson, AZ 85721	(520) 222-8912 hkehoe@email.arizona.edu https://seismolo.gy
Education	University of Arizona <i>Ph.D. Geosciences</i> (GPA: 4.0/4.0) Advisor: Eric Kiser	Tucson, AZ Expected May 2022
	University of California, San Diego <i>B.S. Physics</i> (GPA 3.3/4.0) Advisors: Mark Thiemens and Subrata Chakraborty	La Jolla, CA June 2017
Professional Experience	University of Arizona Graduate Research and Teaching Assistant	Tucson, AZ August 2017–Present
	University of California, San Diego Undergraduate Research Assistant	La Jolla, CA April 2015–June 2017
Publications	1. Kehoe, H. L. , E. D. Kiser, and P. G. Okubo (2019). The rupture process of the 2018 M_w 6.9 Hawai'i earthquake as imaged by a genetic algorithm-based back-projection technique. <i>Geophysical Research Letters</i> , 46, 2467–2474. https://doi.org/10.1029/2018GL080397	
Presentations	7. Kehoe, H. L. , E. D. Kiser, and P. G. Okubo. Complex rupture properties of the 2018 M_w 6.9 Hawai'i earthquake as imaged by a genetic algorithm-based back-projection technique. Oral presentation at the <i>University of Arizona Geosciences Symposium</i> , Tucson, AZ, 28–30 March 2019. 6. Kehoe, H. L. , E. D. Kiser, and P. G. Okubo. The rupture process of the 2018 M_w 6.9 Hawai'i earthquake as revealed by a genetic algorithm-based source imaging technique. Oral presentation at the <i>American Geophysical Union Fall Meeting</i> , Washington, D.C., 10–14 December 2018. 5. Kehoe, H. L. and E. D. Kiser. Back-projection results of the 4 May 2018 Hawaii earthquake using a genetically optimized sub-array selection scheme. Poster presentation at the <i>IRIS Workshop</i> , Albuquerque, NM, 12–14 June 2018. 4. Kehoe, H. L. and E. D. Kiser. Genetic algorithm optimization applied to back-projection sub-array selection. Poster presentation at the <i>University of Arizona Geosciences Symposium</i> , Tucson, AZ, 12–14 April 2018. 3. Kehoe, H. L. , S. Chakraborty, T. L. C. Pham, E. Alvarado, and M. H. Thiemens. $\Delta^{17}\text{O}$ Trends of Collected Atmospheric CO_2 Resulting from Seasonal Changes in the Biosphere. Poster presentation at the <i>American Geophysical Union Fall Meeting</i> , San Francisco, CA, 12–16 December 2016.	

2. **Kehoe, H. L.** and S. Chakraborty. Synthesis of Oxides over a Dust Surface Analog. Oral presentation at the *29th UC San Diego Undergraduate Research Conference*, La Jolla, CA, 23 April 2016.
1. Chakraborty S., **H. L. Kehoe**, and M. H. Thiemens. New experimental evidence of silicate formation with meteorite like oxygen isotopes on a dust surface analog. Oral Presentation at the *Lunar Planetary Science Conference XXXVII*, Houston, TX, 21–25 March 2016.

Awards	Best Geophysics Talk, UA Geosciences Symposium (\$300)	March 2019
	UA GPSC Travel Grant (\$750)	December 2018
	IRIS Workshop Student Scholarship (\$500)	June 2018
	Best Overall Poster, UA Geosciences Symposium (\$200)	April 2018
	UA Graduate Access Fellowship (\$8,000)	August 2017
	Lee Davis Family and Sulzer Scholarship (\$4,638)	August 2017
	Provost Honors, UC San Diego	June 2015, 2016, 2017
	UC San Diego Physics Chair's Challenge (\$300)	December 2016
	Excellence in Research and Presentation, UC San Diego	April 2016
Field Experience	Lassen Volcanic National Park Nodal Deployment	July–August 2019
	White Wolf Fault Active Source Nodal Deployment	January–February 2019
	Grand Teton National Park Nodal Deployment	June–July 2018
	Raton, New Mexico Nodal Deployment	May–June 2018
	Joshua Tree National Monument Nodal Deployment	October 2017
Teaching Experience	Teaching Assistant:	
	GEOS 322: Introduction to Geophysics	Spring 2018
	GEOS 212: Introduction to Oceanography	Fall 2018
Service	UA GeoClub President	August 2019–Present
	Website Administrator (http://earth.geo.arizona.edu)	March 2019–Present
	UA GPSC Travel Grant Judge	February 2019–Present
	Website Co-Administrator (http://geo.arizona.edu/gsat)	October 2017–Present
Organizations	American Geophysical Union	August 2016–Present
	Seismological Society of America	February 2018–Present