

# SAMUEL T. KODAMA

1156 High Street Santa Cruz, CA 95064 USA  
sakodama@ucsc.edu ◊ samkodama.weebly.com

## EDUCATION

---

**University of California, Santa Cruz**  
Ph.D, Earth and Planetary Sciences  
Advisor: Tamara Pico

*2021-Present*

**Columbia University**  
A.B., Earth Science. With thesis:  
*Investigating the Erosional History of  
Wilkes Subglacial Basin with Thermochronology  
of Ice-Rafted Pebbles*

*May 2020*

## PUBLICATIONS

---

**Kodama, S.T.**, Cox S.E., Thomson S.N., Hemming, S.R., Williams, T., Licht, K.J., Formica, A., Reiners., P.W. *Multidating of ice-rafted dropstones reveals hidden localized glacial erosion in Wilkes Subglacial Basin, Antarctica*. *Geosphere*, Accepted

**Kodama, S. T.**, Pico, T., Finnegan N.J., Lapôtre, M.G.A., and Willenbring J.K. *Glacial Isostatic Adjustment Modulates Lateral Migration Rate and Morphology of the Red River (North Dakota, USA and Manitoba, Canada)*. *Geophysical Research Letters*, 2023. doi.org/10.1029/2023GL103995

## CONFERENCE TALKS AND PRESENTATIONS

---

† indicated advisee

**Kodama, S.T.**, Pico, T., Finnegan N.J., Lapôtre, M.G.A., and Willenbring J.K., Limaye, A., *Glacial isostatic adjustment drives spatiotemporal trends of meander migration rate in a former glacial lake basin*, AGU 2023. Talk.

Vigilia C.†, **Kodama, S.T.**, Robel, A.A., Pico, T., *The Role of Glacial Isostatic Adjustment on Cordilleran Ice Stream Stability Over the Last Glacial Cycle*, AGU 2022. Poster.

**Kodama, S.T.**, Pico, T., Robel, A.A., Christian, J.E., Gomez, N., Vigilia, C., Powell, E., Gagliardi, J., Tulaczyk S., Blackburn, T., *Identifying pinning point elevation thresholds for Ross Sea ice streams (West Antarctica) over the last deglaciation based on glacial isostatic adjustment and grounding line simulations*, AGU 2022. Poster.

**Kodama, S.T.**, Pico, T., Finnegan N.J., Lapôtre, M.G.A., and Willenbring J.K. *Isolating the Role of Slope Change Due to Glacial Isostatic Adjustment on Meander Rates and River Morphology in the Red River (North Dakota, USA)*, AGU 2022. Poster.

**Kodama, S.T.**, Cox S.E., Thomson S.N., Hemming, S.R., Williams, T., Licht, K.J., Formica, A., Reiners., P.W., *Multidating of ice-rafted dropstones reveals hidden localized glacial erosion in Wilkes Subglacial Basin, Antarctica*, 17th Annual International Conference on Thermochronology, September 2021. Talk

## TEACHING

---

*UC Santa Cruz Teaching Assistant : EART131: Sea Level Change*

*2021, 2022*

*Columbia University Teaching Assistant : UN2200: Earth's Environmental  
Systems: The Solid Earth*

*2020*

## **LEADERSHIP, MENTORING, AND OUTREACH**

---

*Member, UC Santa Cruz Senior Geoscientists Encouraging Openness  
& Diversity in the Earth Sciences*

*May 2022-Present*

*Mentor, UC Santa Cruz Women in Science and Engineering,  
GradPath Mentor*

*March 2023-Present*

*Mentor, UC Santa Cruz Senior Thesis Advisor, Earth and Planetary Sciences*

*May 2022-2023*