LOGAN WREN RAMING CURRICULUM VITAE

February 2023

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EDUCATION

PhD 2022 Arizona State University, (Geological Sciences)
BS 2015 University of Utah (Geoscience, Physics minor)
BS 2009 University of Utah (Economics)

ACADEMIC EMPLOYMENT

Spring 2023	Postdoctoral Scholar, Arizona State University
Fall 2021 – Fall 2022	Graduate Teaching Assistant, Arizona State University
Fall 2018 – Fall 2021	NSF Graduate Fellow, Arizona State University
Fall 2016 – Fall 2018	Graduate Teaching Assistant, Arizona State University
Spring 2016	Undergraduate Teaching Assistant, University of Utah
Spring 2013 – Fall 2015	Undergraduate Research Assistant, University of Utah

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AWARDS AND HONORS

Fellowships

2020 School of Earth and Space Exploration Summer Graduate Fellowship
2018 National Science Foundation Graduate Fellowship

Awards

2020 & 2019	Graduate Excellence Award
2019	Distinguished Advisor Award
2016	First Year Award
2015	Excellence in Undergraduate Research Award
2014	Undergraduate Research Opportunity Award

GRANTS AND SCHOLARSHIPS

2021 & 2019	Geo. Society of America Graduate Research Grant
2019	ASU Grad. and Prof. Student Association Research Grant
2015	Doelling Scholarship

2015	Global Change and Sustainability Center Travel Grant
2014	Mineralogical Society of Utah Scholarship
2013	Ken and Nedra Bullock Keller Scholarship

INTERNSHIPS

2018	Geoscientist-In-The-Park, Mount Rainier National Park
2017	JE Fuller Hydrology and Geomorphology
2015	Space Science Institute

PUBLICATIONS Manuscripts

Raming, L.W., Whipple, K.X., 2022. When knickzones limit upstream transmission of base-level fall: An example from Kauaʻi, Hawaiʻi. Geology. https://doi.org/10.1130/G50019.1

Raming, L.W. & Whipple, K.X. (in prep). Limits to Knickzone Retreat and Bedrock River Incision.

Raming, L.W. & Whipple, K.X. (in prep). The Role of Thresholds in Modulating The Influence of Climate in Landscape Evolution of the Hawaiian Islands.

Bowen, B., Kipnis, E., **Raming, L.W.** (2017). Temporal Dynamics of Flooding, Evaporation, and Desiccation Cycles and Observations of Salt Crust Area Change at the Bonneville Salt Flats, Utah, Geomorphology 299, 1-11.

Book Chapters

Jewell, P., Nelson, D., Bowen, B., and **Raming, L. W.** (2016). Insights into Lake Bonneville Using Remote Sensing and Digital Terrain Tools. In Lake Bonneville: A Scientific Update pp (598 - 616). Elsevier

CONFRENCE ABSTRACTS AND TALKS

Raming, L. W. & Whipple, K. X. (2021 December). Limits on the Effectiveness of Waterfalls and Bedrock River Incision in Landscape Evolution. Talk at AGU Fall Meeting

Raming, L. W. , Zhiang, C., Keating, D., Whipple, K. X., Yager, E., Strauch, A. M., Das, J. (2020 December). Extreme Discharges and Thresholds of Boulder Mobility in Steep Mountainous Streams on Maui, Hawai'i. Poster at AGU Fall Meeting

Raming, L. W. & Whipple, K. X. (2020 October). Canyon formation on the Hawaiian Islands: Can a single threshold of river incision explain observed patterns of incision? Talk at GSA Fall Meeting

Raming, L. W. (2020 October). Thresholds and Limits on River Incision: How Climate Is Recorded By Rivers on The Hawiian Islands, Talk at School of Earth and Space Colloquium, ASU

Raming, L. W. & Whipple, K. X. (2019 December). Lithologic Controls on the Formation and Retreat of Waterfalls. Poster at AGU Fall Meeting

Whipple, K. X., Rossi, M.W., **Raming, L. W.** (2019 December). Threshold Processes in Fluvial Landscape Evolution (invited). Talk at AGU Fall Meeting

Raming, L. W. & Whipple, K. X. (2019 September). Knickpoints of Kaua'i, Hawai'i: Accelerated Incision or Lithological Control? Talk at GSA Fall Meeting

Raming, L. W. & Whipple, K. X. (2017 December). Thresholds and the Evolution of Bedrock Channels on the Hawaiian Islands. Poster presented at AGU Fall Meeting

Raming, L. W. , Farrand, W. H., & Bowen, B. B. (2015 December). Mineralogical composition and potential dust source of playas in the Western U.S. and Australia as remotely identified through imaging spectroscopy. Poster presented at AGU Fall Meeting

Raming, L. W. & Bowen, B. B. (2014 October). Spatiotemporal analyses of environmental conditions and surface processes at the Bonneville Salt Flats. Poster presented at GSA Annual Fall Meeting

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TEACHING AND ADVISING

Teaching Assistantships

Spring 2021	Water Planet, Arizona State University
Fall 2021	Intro to Geology I & II + Labs (online), Arizona State University
Spring 2018	Water Planet, Arizona State University
Fall 2017	Introduction to Exploration, Arizona State University
Spring 2017	Water Planet & Intro to Geology I: Lab, Arizona State University
Fall 2016	Introduction to Exploration, Arizona State University
Spring 2016	Intro to Geophysics, University of Utah

Undergraduate Mentorships

Project
Development of a Smart Cobble for detection of entrainment
Analyzing knickpoints on tributaries of the Verde River
National Science Foundation Graduate Fellowship Application
National Science Foundation Graduate Fellowship Application

PUBLIC OUTREACH

Spring 2023	open house event, SSEBE, ASU, AZ
Fall 2019	open house event, SESE, ASU, AZ
Summer 2018	science talk and training, Limahuli Gardens, HI
Fall 2018	open house event, SESE, ASU, AZ
Fall 2016	science guest at Mountain Pointe Highschool, AZ
Fall 2014	science guest at Dillworth Elementary, UT
Fall 2014	KSL TV News interview on the Bonn. Salt Flats, SLC, UT

PROFFESIONAL AFFILIATIONS

Geological Society of America
American Geophysical Union
Sigma Xi Honor Society
