

# HELEN A. JANISZEWSKI

ASSISTANT PROFESSOR

DEPARTMENT OF EARTH SCIENCES | SOEST | UNIVERSITY OF HAWAI'I AT MĀNOA

Department of Earth Sciences  
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Honolulu, HI 96822

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## EDUCATION

COLUMBIA UNIVERSITY | New York, NY

Ph.D. in Seismology, Department of Earth and Environmental Sciences 2018

M.Phil. in Seismology, Department of Earth and Environmental Sciences 2016

M.A. in Seismology, Department of Earth and Environmental Sciences 2014

RUTGERS UNIVERSITY | New Brunswick, NJ

B.S. (summa cum laude) in Geological Sciences (Highest Honors) and Physics 2012

Minors: Mathematics, Russian Language

## PROFESSIONAL HISTORY

UNIVERSITY OF HAWAI'I AT MĀNOA

Department of Earth Sciences | Honolulu, HI

Assistant Professor

2019 -

CARNEGIE INSTITUTION FOR SCIENCE

Department of Terrestrial Magnetism | Washington, DC

Postdoctoral Fellow

2017 - 2019

## FUNDING AND PROJECTS

*Total to Janiszewski since 2020: \$1,173,491*

### ACTIVE

NSF-OCE Marine Geology and Geophysics (2330938) 2024-2027

Collaborative Research: Heterogeneities of the Alaska Megathrust: From the Overriding Plate to the Subducting Slab

PI: H. Janiszewski (UHM), Co-PI: S. Wei (MSU)

Total: \$688,324; To Janiszewski: \$340,794

Gordon and Betty Moore Foundation 2022-2026

SMART Subsea Cables: Implementing for Geophysics, Early Warning, and Oceans, Vanuatu-New Caledonia to Global

PI: B. Howe (UHM); Senior Personnel, Subduction Zones Team: J.-P. Ampuero (Geoazure), A. Sladen (Geoazure), Z. Zhan (Caltech), M. Gurnis (Caltech), H. Janiszewski (UHM), L. Wallace (UTIG), M. Fouch (Subsea Data Sys.)

Total: \$7,204,791; To Janiszewski: \$421,372

NSF-EAR Geophysics (2052829)

2021-2025

## Constraining Transcrustal Magmatic Systems with Receiver Functions Along the Aleutian Island Arc

PI: H. Janiszewski (UHM)

Total to Janiszewski: \$296,022

## PAST

## USGS-HVO

2021-2022

Deep Crustal Magmatic Structure in the Vicinity of the Pāhala Earthquake Swarm

PI: H. Janiszewski (UHM); Co-I: N. Bennington (HVO)

Total to Janiszewski: \$39,413

## NSF-EAR/OCE GeoPRISMS (2025668)

2020-2022

Plate Boundary Structure and Deformation Workshop

PI: H. Janiszewski (UHM)

Total to Janiszewski: \$64,916

## UHM Strategic Investment Award

2020-2021

Strategic investment in high-impact practices in UHM online undergraduate education: Immersive Virtual Huaka'i (Field Trips)

PI: B. Smith-Konter (UHM), Co-PIs: H. Janiszewski, B. Houghton, S. Martel, J. Sinton, T. Shea, J. Konter, A. Anderson, J. Hammer, S. Rowland, H. Cremer, S. White, L. Koga, A. Swift, D. Hirata.

Total: \$69,498; To Janiszewski: \$10,956

## UNFUNDED COLLABORATOR

## Swiss National Science Foundation

2023-2026

Anatomy and dynamics of volcanic systems: insights from a joint seismic tomography and seismicity analysis of Kīlauea Volcano

PI: F. Lanza (ETH), Collaborators: Stefan Wiemer, Ninfa Bennington, Antonio Pio Rinaldi, Men-Andrin Meier, H. Janiszewski (UHM)

Total: 375,864 CHF

## NSF GEO/EAR Education and Human Resources

2020-2024

REU Site: Earth Science on Volcanic Islands

PI: B. Smith-Konter (UHM), Co-PI: S. Coats, Senior Personnel: B. Chen, H. Dulaiova, C. Glenn, N. Grobbe, J. Hammer, G. Ito, H. Janiszewski, J. Konter, A. Pietruszka, B. Popp, T. Shea, C. Smith.

Total: \$558,074

## PUBLICATIONS

‡ *advised graduate student*

14. Hua, J., S. P. Grand, T. W. Becker, H. A. Janiszewski, C. Liu, D. T. Trugman, H. Zhu, 2025  
Mobilization and thinning of cratonic lithosphere by a lower mantle subducting slab, accepted at Nature Geoscience
13. Janiszewski, H. A., N. Bennington, J. Wight‡, A Seismic Nodal Deployment to Understand 2024  
Magmatic Structure in the Vicinity of the Pāhala Earthquake Swarm, Seismological Research Letters, 95(5), 3082-3092, doi: <https://doi.org/10.1785/0220240060>
12. Janiszewski, H. A., Z. Eilon, J.B. Russell, B. Brunsvik, J.B. Gaherty, S. Mosher, W. Hawley, 2023  
S. Coats, Broad-Band Ocean Bottom Seismometer Noise Properties, Geophysical Journal International, 233, 297–315. doi:10.1093/gji/ggac450

11. Rowe, C. A., B. M. Howe, M. Fouch, M. Angove, J. Aucan, C. R. Barnes, J. Barros, N. Bailiff, N. C. Becker, F. Carrilho, B. Fry, A. Jamelot, **H. A. Janiszewski**, L. S. L. Kong, S. Lentz, D. S. Luther, G., Marinaro, L. M. Matias, A. Salaree, A. Sakya, T. Theile, F. J. Tilmann, C. von-Hildebrandt-Andrade, L. Wallace, S. A. Weinstein, W. Wilcock, SMART Cables Observing the Oceans and Earth, *Marine Technology Society Journal*, 56, 5, pp. 13-25, <https://doi.org/10.4031/MTSJ.56.5.3> 2022
10. Howe, B. M., M. Angove, J. Aucan, C. R. Barnes, J. Barros, N. Bayliff, N. C. Becker, F. Carrilho, M. Fouch, B. Fry, A. Jamelot, **H. A. Janiszewski**, L. S. Kong, S. Lentz, D. S. Luther, G. Marinaro, L. M. Matias, C. A. Rowe, A. Salaree, A. E. Sakya, T. Thiele, F. Tilmann, C. von Hillebrandt-Andrade, L. Wallace, S. Weinstein, W. Wilcock, SMART Subsea Cables for Observing the Earth and Ocean, Mitigating Environmental Hazards, and Supporting the Blue Economy, *Frontiers in Earth Science*, 9, 2022, doi: 10.3389/feart.2021.775544 2022
9. Mosher, S. G., Z. C. Eilon, **H. A. Janiszewski**, P. Audet, Probabilistic Inversion of Seafloor Compliance for Oceanic Crustal Shear Velocity Structure Using Mixture Density Neural Networks, *Geophysical Journal International*, Volume 227, Issue 3, December 2021, Pages 1879–1892, <https://doi.org/10.1093/gji/ggab315> 2021
8. Portner, D. E., L. S. Wagner, **H. A. Janiszewski**, D. C. Roman, J. A. Power, Ps-P tomography of a mid-crustal magma reservoir beneath Cleveland Volcano, Alaska, *Geophysical Research Letters*, 47, e2020GL090406. <https://doi.org/10.1029/2020GL090406> 2020
7. Golden, S., L. S. Wagner, B. Schleigh, D. Power, D. C. Roman, S. I. Sacks, **H. A. Janiszewski**, Digitization of the Carnegie Analog Broadband Instruments Tape Records (1965-1996). *Seismological Research Letters* doi: <https://doi.org/10.1785/0220190334> 2020
6. **Janiszewski, H.A.**, L.S. Wagner, D.C. Roman, Aseismic mid-crustal magma reservoir at Cleveland Volcano imaged through novel receiver function analyses. *Scientific Reports*, 10, 1780, doi:10.1038/s41598-020-58589-0 2020
5. Crosbie, K. J., G. A. Abers, M. E. Mann, **H. A. Janiszewski**, K. C. Creager, C. Ulberg, S. Moran, Shear velocity structure from ambient noise and teleseismic surface wave tomography in the Cascades around Mount St. Helens, *Journal of Geophysical Research: Solid Earth*, 124, 8358–8375. doi:10.1029/2019JB017836 2019
4. **Janiszewski, H. A.**, J. B. Gaherty, G. A. Abers, H. Gao, Z. Eilon, Amphibious surface wave phase velocity measurements of the Cascadia subduction zone, *Geophysical Journal International*, Volume 217, Issue 3, June 2019, Pages 1929-1948, doi: 10.1093/gji/ggz051 2019
3. Till, C. B., A. Kent, G. A. Abers, **H. A. Janiszewski**, J. B. Gaherty, B. Pitcher, The Causes of Spatiotemporal Variations in Erupted Fluxes and Compositions Along a Volcanic Arc, *Nature Communications*, Volume 10, Issue 1. doi: 10.1038/s41467-019-09113-0 2019
2. **Janiszewski, H. A.**, G. A. Abers, Imaging the plate interface in the Cascadia seismogenic zone: New constraints from offshore receiver functions, *Seismological Research Letters*, v. 86 no. 5 p. 1261-1269, doi: 10.1785/0220150104. 2015
1. **Janiszewski, H. A.**, G. A. Abers, Shillington, D.J., J. A. Calkins, Crustal structure along the Aleutian island arc: New insights from receiver functions constrained by active source data, *Geochem. Geophys. Geosys.*, 14, 2977-2992, doi: 10.1002/ggge.20211. 2013

#### NON-PEER REVIEWED

3. Burkhard, L.M.L, Ward, L.A., **Janiszewski, H.A.**, Smith-Konter, B.R., Weiss, J.R., Hawai'i offshore quake related to tectonic plate bending, Temblor, <http://doi.org/10.32858/temblor.215> 2021
2. Audet, P., **H. A. Janiszewski**, OBStools: Software for processing broad-band ocean-bottom seismic data. Zenodo. doi: 10.5281/zenodo.3905412 2020

**DATASETS**

3. Janiszewski, H.A., Gaherty, J. Abers, G. Gao, H. and Z. Eilon. Onshore-offshore phase velocity maps from Cascadia Initiative data. MGDS. doi:10.60521/331658 2024
2. Janiszewski, H.A., N. Bennington, Deep Crustal Magmatic Structure in the Vicinity of the Pāhala Earthquake Swarm [Data set]. International Federation of Digital Seismograph Networks. <https://doi.org/10.7914/SN/5L2022> 2022
1. Janiszewski, H.A., Gaherty, J. and G. Abers. Stacked receiver functions and station orientation estimates for Cascadia OBS stations (investigators Janiszewski, Gaherty, Abers). MGDS. doi:10.1594/IEDA/324272 2017

**TEACHING**

UNIVERSITY OF HAWAI'I AT MĀNOA | Dept. of Earth Sciences

**Instructor**

ERTH 711: Marine Seismology Fall 2024  
 ERTH 413/613: Introduction to Statistics and Data Analysis Spring 2022, 2024  
 ERTH 103: Geology of the Hawaiian Islands Fall 2021, 2023  
 ERTH 451: Earthquakes and Crustal Deformation Spring 2021, 2023, 2025  
 ERTH 631: Geophysics - Solid, Fluid, and Wave Mechanics Fall 2020, 2022  
**Overall Average Instructor Rating: 4.855/5**  
**Guest Lecturer**  
 ERTH 303: Structural Geology (co-taught) Fall 2020

COLUMBIA UNIVERSITY | Dept. of Earth &amp; Environmental Sciences

**Teaching Assistant**

GU4947: Plate Tectonics Spring 2016  
 GR6908: Quantitative Methods of Data Analysis Fall 2014  
 UN2310: Earth's Environmental System: Solid Earth Fall 2013

**FELLOWSHIPS AND AWARDS**

Faculty Research Travel Grant, UHM OVPRS 2023  
 Outstanding Reviewer, Geophysical Journal International 2021  
 Carnegie DTM Postdoctoral Fellowship 2017 - 2019  
 Geoprisms Student AGU Prize - Honorable Mention 2016  
 AGU Outstanding Student Presentation Award - Tectonophysics 2016  
 Geoprisms Student AGU Prize - Honorable Mention 2015  
 National Science Foundation Graduate Research Fellowship 2012 - 2015  
 EPS Chair Award, Earth & Planetary Sciences, Rutgers University 2012  
 Vinton Gwinn Award, Earth & Planetary Sciences, Rutgers University 2011  
 George O. Scott Award, Earth & Planetary Sciences, Rutgers University 2011  
 Noemi B. Koller Scholarship, Physics & Astronomy, Rutgers University 2011  
 Phi Beta Kappa 2011  
 Lamont Summer REU Student Internship 2010

**ADVISING AND MENTORING****GRADUATE ADVISOR**

Charles Hoots (PhD, 2023-current); Ian Wynn (NSF GRFP, PhD, 2022-current); Elliona Maso (MS, 2022-current); Jade Wight (MS, 2021-2023; now Geologist at AECOM)

**UNDERGRADUATE RESEARCH ADVISOR**

Casey Wandasan (2022-2024; now PhD student at UC Davis); Allison Yamakawa (2023, co-advised at PTWC with Jonathan Weiss); Sophia Hernandez (2021-2022)

**VISITING STUDENTS**

Alicia Rohnacher (2024 Visiting Student at UHM, PhD Student at ETH, Switzerland); Aude Guérin (2022 Graduate Intern at UHM, MS Student at École Normale Supérieure, France); Elise Staat (2022 UHM ESVI REU; now Engineer at EarthScope Consortium); Madeleine Tan (2021 UHM ESVI REU; now PhD student at CU Boulder)

#### THESIS COMMITTEE MEMBER (NON-ADVISOR)

Sarah Popenhagen (PhD, 2024-current); Morgan Cryder (MS, 2024-current); Alan McFall (MS Plan B, 2024-current); Shirin Wyckoff (MS Plan B, 2024); Andrea Tonato (MS, 2021-2024); Hannah Tilley (PhD, 2020-2021)

#### COMPREHENSIVE EXAM COMMITTEE MEMBER

Jordan Ando (2024), Charles Hoots (2024), Sarah Popenhagen (2024), Ian Wynn (2024), Rose Gallo (2022), Abigail Flom (2021), Chiara Ferrari-Wong (2021), Elizabeth Benyshek (2021), Kelly McCartney (2021)

#### QUALIFYING EXAM COMMITTEE MEMBER

Ian Wynn (2023), Jordan Ando (2023), Sarah Popenhagen (2022)

#### EXTERNAL COMMITTEE

Kira van Helden (MS External Advisor, Utrecht University; 2024); Joseph Phillips (PhD Thesis External Committee Member, NAU; 2021-current)

## PROFESSIONAL SERVICE

### COMMITTEES AND REPRESENTATION

SMART Cables Sensor Review Working Group	2024 -
Subduction Zones in 4 Dimensions (SZ4D) Operations Planning Committee - Activities (OPC-A)	2024 -
Cascadia Offshore Subduction Zone Observatory Science Advisory Committee	2024 -
EarthScope Consortium Institutional Member Representative	2023 -
SZ4D Collective Impact Committee (CIC) Co-Chair	2023 - 2024
SZ4D CIC	2022 - 2024
Ocean Bottom Seismometer Instrument Center (OBSIC) Operations Subcommittee	2020 - 2025
UNOLS Marine Seismic Research Operations Committee (MSROC)	2020 - 2024

### CONFERENCE AND WORKSHOP ORGANIZATION

#### MSROC Pre-AGU Meeting

Organizing Committee, International Collaboration Focus	2024
Organizing Committee, Early Career Workshop	2023

#### SZ4D Meetings

Subduction Zone Time Series Legacy Data Workshop, Organizing Committee	2024
Leadership Meeting, Organizing Committee	2024

#### Marine Seismology Symposium

Organizing Committee	2021
OBS Data Processing SIG, Lead Organizer	2021

#### GeoPRISMS Workshops

Plate Boundary Structure and Deformation Workshop, Lead Organizer	2022
Aleutian-Alaska GeoPRISMS Workshop, Organizing Committee	2019

#### Seismology Student Workshop

Organizing Committee	2015 - 2017
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#### AGU FALL MEETING

AGU Fall Meeting Program Committee, Seismology Section	2025 -
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#### Primary Convener

Geophysical Imaging of Magma Storage and Transport at Volcanoes	2023
Geophysical, Mechanical, and Geologic Constraints on the Subduction Interface	2020
Synthesis: Knowns and Unknowns of the Cascadia Subduction System	2018

New Insights on the Cascadia Subduction Zone from Offshore and Amphibious Studies	2017
<b>Convener</b>	
Seafloor and Marine Sensing Developments - Instruments and Observations	2024
Volcano Seismology and Acoustics: Recent Advances in Understanding Volcanic Processes	2022
Volcano Seismology and Acoustics: Recent Advances in Understanding Volcanic Processes	2021
The Cascadia margin: Linking geophysical characteristics with subduction zone structure and evolution	2021
Whose Fault Is It? Relating Structural and Compositional Heterogeneity to Slip Behavior	2018
<b>Session Chair</b>	
Scientific Advances from Subduction Zone Observatories	2015
<b>SSA ANNUAL MEETING</b>	
<b>Session Organizer</b>	
Marine Seismoacoustics	2024
<b>EGU GENERAL ASSEMBLY</b>	
<b>Convener</b>	
Ocean bottom seismology throughout the years: instrumentation, processing and interpretations	2024
<b>EDITOR</b>	
<b>Guest Editor</b>	
Seismological Research Letters Focus Section: Ocean Monitoring	2024-2025
<b>JOURNAL REVIEWER</b>	
Scientific Reports; Geophysical Research Letters; Journal of Geophysical Research: Solid Earth; G-Cubed; Earth and Planetary Science Letters; Seismological Research Letters; Bulletin of the Seismological Society of America; Journal of Volcanology and Geothermal Research; Geophysical Journal International; Tectonophysics; AGU Books; Frontiers in Earth Sciences; Marine Geology; Pure and Applied Geophysics; Seismica; IEEE-Journal of Ocean Engineering	
<b>PROPOSAL AD HOC REVIEWER</b>	
<i>United States:</i> NSF EAR: Petrology and Geochemistry, GeoPRISMS, Geophysics, Earthscope; NSF OCE: Marine Geology and Geophysics, Ocean Sciences Postdoc Research Fellowship	
<i>International:</i> United Kingdom Research and Innovation, NERC; Deutsche Forschungsgemeinschaft (German Research Foundation); Natural Sciences and Engineering Research Council of Canada, Discovery Grant; Fond de Recherche du Québec, Team Research Project	
<b>PROPOSAL PANEL REVIEWER</b>	
USGS Earthquake Hazards Program, NSF EAR: Instrumentation and Facilities, NSF OCE: Marine Geology and Geophysics	
<b>MEMBERSHIP</b>	
American Geophysical Union, Seismological Society of America, ITU-WMO-UNESCO IOC Joint Task Force on SMART Cable Systems	
<b>INSTITUTIONAL SERVICE</b>	
<b>UNIVERSITY OF HAWAI'I AT MĀNOA</b>	
School of Ocean and Earth Science and Technology	
Research Vessel Operations Committee	2021 -
<b>Department of Earth Sciences</b>	
Faculty Search Committee Member (Marine Geophysics)	2025
JEDI and Dept. Community Committee (Chair)	2024 -

Faculty Search Committee Member (Geophysics)	2023
Faculty Search Committee Member (Coastal Processes)	2022
JEDI and Dept. Community Committee (member)	2021 -
JEDI and Dept. Community Committee (Inaugural Chair)	2021 - 2023
Faculty Search Committee Member (3 positions)	2020
Department Committee Member	2020 - 2021
Curriculum Committee Member	2020 - 2021

**CARNEGIE INSTITUTION FOR SCIENCE**

Geophysics and Geochemistry Reading Group Organizer	2018 - 2019
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**COLUMBIA UNIVERSITY****Graduate Student Advisory Council**

Vice President of Administration	2014 - 2016
Communications Chair	2013 - 2014

**Field Trip Planning Committee**

Pacific Northwest (with C. Eddy, Z. Eilon, J. Gale, P. Moulik, H. Rabinowitz)	2014
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**FIELD****STEMSEAS HAWAI'I**

*(R/V Kilo Moana, KM2313; Chief Scientist; 10 days)*

Educational cruise for undergraduates. Collected bathymetry, gravity, and magnetics at the Moloka'i Fracture Zone; ROV dives to Kama'ehuakanaloa (Hawai'i, USA)	2023
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**PĀHALA SEISMIC EXPERIMENT**

*(PI; 25 days)*

Deployment and recovery of 80 seismic nodes in the Pāhala region and SW Kilauea Rift Zone (Hawai'i, USA)	2022
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**PACIFIC (OLD) ORCA**

*(R/V Revelle, RR2003; Co-Chief Scientist; 48 days)*

Oversaw OBS recovery, multibeam bathymetric mapping, and dredging operations (South Pacific; American Samoa).	2020
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**ALASKA AMPHIBIOUS COMMUNITY SEISMIC EXPERIMENT**

*(R/V Sikuliaq, SKQ2019-18S; Science Party; 21 days)*

OBS recovery cruise of deep water and TRM instruments with ROV Jason (Alaska, USA).	2019
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**DELAWARE QUICK DEPLOYMENT**

*(Field Assistant; 1 day)*

Rapid deployment after the November 30 M 4.1 earthquake (Delaware, USA).	2017
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**ENAM COMMUNITY SEISMIC EXPERIMENT**

*(Field Assistant; 4 days)*

Service run for broadband instruments (North Carolina, USA).	2015
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**QUEBEC MAINE III**

*(Field Assistant; 14 days)*

Broadband seismometer deployment (Northern Maine, USA).	2013
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**RIDGE2TRENCH**

*(R/V Langseth, MGL1211; Science Party; 28 days)*

Wide Angle/ MCS seismic survey of the Juan de Fuca Plate (Washington, USA).	2012
Ship to shore instrument deployment (Western Washington, USA).	2012

**INVITED TECHNICAL TALKS**

*\*upcoming*

2025

\*Japan Geoscience Union Annual Meeting, Seismological Advances in the Ocean, *Chiba, Japan*  
SZNet Ocean Floor Observational Technology Workshop, *Santiago, Chile*  
Slow-to-Fast Earthquakes Workshop, *Santiago, Chile*  
USGS Subduction Zone Science Meeting, *Seattle, WA, USA*

2024

Georgia Institute of Technology, Geophysics Seminar, *Atlanta, GA, USA*  
University of Washington, Geophysics Seminar, *Seattle, WA, USA*  
Lamont Doherty Earth Observatory, Workshop on Mantle Magma Supply and Imaging Magmatic Systems, *Palisades, NY, USA*

2023

American Geophysical Union Fall Meeting, Ocean Island Volcanoes: From Quiescence through Eruption, *San Francisco, CA, USA*  
Rice University, Dept. of Earth Sciences Colloquium, *Houston, TX, USA*  
Canadian National Facilities for Seafloor Instrumentation, Marine Seismology Workshop, International Keynote Speaker, *Halifax, NB, Canada*  
European Geosciences Union General Assembly, Ocean bottom seismology throughout the years: instrumentation, processing and interpretation, *virtual*

2022

SZ4D Community Meeting, Early Career Session, *Houston, TX, USA*  
Northern Arizona University, School of Earth and Sustainability, Seminar, *Flagstaff, AZ, USA*  
Caltech SeismoLab Seminar, *Pasadena, CA, USA*  
University of Hawai'i at Mānoa, Earth Science Dept. Seminar, *Honolulu, HI, USA*  
University of Wisconsin Madison, Department of Geosciences Seminar, *virtual*

2021

Tohoku University, Earth, Sea, and Sky VI Workshop, *virtual*  
SSA Annual Meeting, Amphibious Seismic Studies of Plate Boundary Structure and Processes, *virtual*  
USGS Volcano Science Seminar, *virtual*  
Vanderbilt University, Department of Earth and Environmental Sciences Colloquium, *virtual*  
Marine Seismology Symposium, Plenary Session Speaker, *virtual*

2020

American Geophysical Union Fall Meeting, New Results, New Methods and New Technology in Ocean-Bottom Seismology, *virtual*  
Hawaiian Volcano Observatory, *Hilo, HI, USA*

2019

SAGE/GAGE Workshop: Earth in 4D, Plenary Session Speaker, *Vancouver, WA, USA*  
IRIS Webinar, *virtual*  
Annual Joint AEG-PGS Meeting, *Washington, DC, USA*  
Smithsonian National Museum of Natural History, Mineral Sciences Seminar, *Washington, DC, USA*  
Purdue University, Earth, Atmospheric, and Planetary Sciences Seminar, *West Lafayette, IN, USA*  
Woods Hole Oceanographic Institution, Geology and Geophysics Seminar, *Woods Hole, MA, USA*  
Penn State University, Geodynamics Seminar, *State College, PA, USA*  
University of Delaware, Geological Sciences Dept. Seminar, *Newark, DE, USA*  
Geological Society of Washington, *Washington, DC, USA*  
University of California Santa Barbara, Earth Science Speaker Series, *Santa Barbara, CA, USA*  
University of Hawai'i at Mānoa, Earth Science Dept. Seminar, *Honolulu, HI, USA*

2014-2018

Princeton University, Solid Earth Brown Bag Seminar, *Princeton, NJ, USA*  
Rutgers University, Earth and Planetary Sciences Colloquium, *Piscataway, NJ, USA*  
University of Maryland, Geology Colloquium, *College Park, MD, USA*



George Mason University, Geology Seminar, *Fairfax, VA, USA*  
 Binghamton University, Geology Seminar, *Binghamton, NY, USA*  
 Cornell University, Geophysics Seminar, *Ithaca, NY, USA*  
 Carnegie Institution for Science, DTM Seminar, *Washington, DC, USA*  
 Woods Hole Oceanographic Institution, Geophysics Seminar, *Woods Hole, MA, USA*  
 Lamont Doherty Earth Observatory, Seismology Student Workshop, *Palisades, NY, USA*  
 Amphibious Array Facility Workshop, Plenary Session Speaker, *Snowbird, UT, USA*  
 Yale University, Geophysics Group Seminar, *New Haven, CT, USA*

## PUBLIC OUTREACH AND MEDIA

### INTERVIEWS

Television: ABC Philadelphia; KHON2 News

Print Media: AP News; National Geographic; EARTH Magazine; Star Advertiser

Podcasts: Don't Panic Geocast, Episode 151; Brains On

### NON-TECHNICAL TALKS AND PANELS

National Disaster Preparedness Training Center, Seminar on Earthquake in Turkey	2023
Women in the Workplace: Nailing Your Academia, Government, and Industry	2021
Interviews, Graduate Women in Science Hawai'i, Panel Member	
EPIK Faculty Lightning Talks	2020, 2021
Seismology Student Workshop Alumni Career Panel	2021
Earth Science on Volcanic Islands REU Seminar, UH Mānoa	2020
Invited Q&A Session, Rutgers Undergraduate Geology Club	2018
Lunch and Learns, DTM Carnegie Institution for Science	2018
Lamont Summer Intern Seminar, Lamont Doherty Earth Observatory	2016

### OUTREACH

Skype a Scientist	2018 - 2020
USA Science and Engineering Festival, Experiment Leader for DTM booth	2018
Lamont Doherty Earth Observatory Open House	2012, 2014
Columbia University Girls Science Day, Experiment Leader	2012, 2013

## TRAINING, WORKSHOPS, AND CERTIFICATIONS

### ACADEMIC PROFESSIONAL DEVELOPMENT

SERC Workshop for Early Career Geoscience Faculty	2020
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### DIVERSITY, EQUITY AND INCLUSION

RightToBe Bystander Training	2022
URGE: Unlearning Racism in the Geosciences, Pod Leader	2021
University of Hawai'i at Mānoa, Allies for LGBTQ+ Safe Zone Training	2020

### SAFETY CERTIFICATIONS

Interagency Aviation Training, A-100, A-110, A-200	2022
National Safety Council Defensive Driving Course	2022

## RECENT CONFERENCE ABSTRACTS

‡ *advised graduate student*; \* *advised undergraduate student*

Howe, B., H. A. Janiszewski, E. Maso. SMART submarine cable and acoustics on the global scale, <i>2025 Underwater Acoustics Conference</i> .	2025
Lanza, F., A. Rohnacher, N. Bennington, H. A. Janiszewski. Deploying a large nodal array for high-resolution imaging and seismicity analysis of Kilauea Volcanic System, <i>2025 IAVCEI Meeting</i> .	2025
Lanza, F., A. Rohnacher, N. Bennington, H. A. Janiszewski. Deploying a large nodal array for high-resolution imaging and seismicity analysis of Kilauea Volcanic System, <i>2025 EGU General Assembly</i> .	2025

- Hua, J., S. Grand, T. W. Becker, H. A. Janiszewski, C. Liu, D. Trugman, H. Zhu. 2025  
Observations of active cratonic thinning beneath North America consistent with Farallon slab-induced dripping, *2025 EGU General Assembly*.
- Wynn, I.<sup>‡</sup>, H. A. Janiszewski, C. Wandasana\*, J. Power, M. Haney, D. Roman, Along-Arc Magma Storage Characterization at Alaska-Aleutian Arc Volcanoes: A Data-Driven Approach with Teleseismic Receiver Functions, *2024 Fall AGU Meeting*. 2024
- Hoots, C.<sup>‡</sup>, H. A. Janiszewski, A Comparison of Ocean Bottom Seismometer Noise Reduction Techniques, *2024 Fall AGU Meeting*. 2024
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