

# 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 2024-2026

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

PI: H. A. Janiszewski, 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, A. Sladen, Z. Zhan, M. Gurnis, H. A. Janiszewski, L. Wallace, M. Fouch

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

NSF-EAR Geophysics, EPSCoR (2052829) 2021-2024

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

PI: H. A. Janiszewski

Total to Janiszewski: \$296,022

**PAST****USGS-HVO**

2021-2022

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

PI: H. A. Janiszewski; 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. A. Janiszewski.

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. A. 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. A. Janiszewski

Total: 375,864 CHF

**NSF GEO/EAR Education and Human Resources**

2020-2023

REU Site: Earth Science on Volcanic Islands

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

Total: \$558,074

**PUBLICATIONS**

12. Janiszewski, H. A., Z. Eilon, J.B. Russell, B. Brunsvik, J.B. Gaherty, S. Mosher, W. Hawley, S. Coats, Broad-Band Ocean Bottom Seismometer Noise Properties, Geophysical Journal International, ggac450, <https://doi.org/10.1093/gji/ggac450> 2023
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

## SUBMITTED

Hua, J., S. P. Grand, T. W. Becker, **H. A. Janiszewski**, C. Liu, D. T. Trugman, H. Zhu, Mobilization and thinning of cratonic lithosphere by a lower mantle subducting slab, submitted to *Science*

## NON-PEER REVIEWED

2. 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
1. Audet, P., **H. A. Janiszewski**, OBStools: Software for processing broad-band ocean-bottom seismic data. *Zenodo*. doi: 10.5281/zenodo.3905412 2020

**DATASETS**

1. 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

**TEACHING**

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

**Instructor**

ERTH 631: Geophysics - Solid, Fluid, and Wave Mechanics Fall 2022, Fall 2020  
 ERTH 413/613: Introduction to Statistics and Data Analysis Spring 2022, Spring 2024  
 ERTH 103: Geology of the Hawaiian Islands Fall 2021, Fall 2023  
 ERTH 451: Earthquakes and Crustal Deformation Spring 2021, Spring 2023  
 Overall Average Instructor Rating: 4.82/5

**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

RUTGERS UNIVERSITY | Dept. of Mathematics

**Peer Mentor / Grader**

Calculus I, Mathematical & Physical Sciences (undergraduate) 2010  
 Calculus II, Mathematical & Physical Sciences (undergraduate) 2009, 2010

**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

**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

**PĀHALA SEISMIC EXPERIMENT**

*(PI; 25 days)*

Deployment and recovery of 80 seismic nodes in the Pāhala region and SW Kīlauea Rift Zone (Big Island, Hawai'i, USA) 2022

**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

**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

**DELAWARE QUICK DEPLOYMENT***(Field Assistant; 1 day)*

Rapid deployment after the November 30 M 4.1 earthquake (Delaware, USA). 2017

**ENAM COMMUNITY SEISMIC EXPERIMENT***(Field Assistant; 4 days)*

Service run for broadband instruments (North Carolina, USA). 2015

**QUEBEC MAINE III***(Field Assistant; 14 days)*

Broadband seismometer deployment (Northern Maine, USA). 2013

**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

**FIELD COURSES**

Pacific Northwest, WA, USA: Graduate student field trip ([Field Guide](#)). 2014

Adirondacks, NY, USA: Graduate student field trip ([Field Guide](#)). 2013

North Anatolian Fault Zone, Turkey: Field mapping course ([SDSMT](#)). 2011

**INVITED TECHNICAL TALKS***\*upcoming*

AGU Fall Meeting, Ocean Island Volcanoes: From Quiescence through Eruption 2023

Rice University, Dept. of Earth Sciences 2023

Canada NFSI Marine Seismology Workshop, International Keynote Speaker 2023

EGU General Assembly, Ocean bottom seismology throughout the years: 2023

instrumentation, processing and interpretation

SZ4D Community Meeting, Early Career Session 2022

Northern Arizona University, School of Earth and Sustainability 2022

Caltech Seismolab Seminar 2022

University of Hawai'i at Mānoa, Earth Science Dept. 2022

University of Wisconsin Madison, Department of Geosciences 2022

Tohoku University, Earth, Sea, and Sky VI Workshop 2021

SSA Annual Meeting, Amphibious Seismic Studies of Plate Boundary Structure and 2021

Processes

USGS Volcano Science Seminar 2021

Vanderbilt University, Department of Earth and Environmental Sciences	2021
Marine Seismology Symposium, Plenary Session Speaker	2021
AGU Fall Meeting, New Results, New Methods and New Technology in Ocean-Bottom Seismology	2020
Hawaiian Volcano Observatory	2020
SAGE/GAGE Workshop: Earth in 4D, Plenary Session Speaker	2019
IRIS Webinar	2019
Annual Joint AEG-PGS Meeting	2019
National Museum of Natural History, Smithsonian, Dept. of Mineral Sciences	2019
Purdue University, Earth, Atmospheric, and Planetary Sciences Dept.	2019
Woods Hole Oceanographic Institution, Geology and Geophysics Dept.	2019
Penn State University, Geodynamics Seminar	2019
University of Delaware, Geological Sciences Dept.	2019
Geological Society of Washington	2019
University of California Santa Barbara, Earth Science Speaker Series	2019
University of Hawai'i at Mānoa, Earth Science Dept.	2019
Princeton University, Solid Earth Brown Bag Seminar	2018
Rutgers University, Earth and Planetary Sciences Colloquium	2018
University of Maryland, Geology Colloquium	2018
George Mason University, Geology Seminar	2018
Binghamton University, Geology Seminar	2018
Cornell University, Geophysics Seminar	2017
Carnegie Institution for Science, DTM Seminar	2017
Woods Hole Oceanographic Institution, Geophysics Seminar	2017
Lamont Doherty Earth Observatory, Seismology Student Workshop	2016
Amphibious Array Facility Workshop, Plenary Session Speaker	2014
Yale University, Geophysics Group Seminar	2014

## PROFESSIONAL SERVICE

### COMMITTEES AND REPRESENTATION

Cascadia Offshore Subduction Zone Observatory Science Advisory Committee	2024 -
EarthScope Consortium Institutional Member Representative	2023 -
SZ4D CIC Co-Chair	2023 -
Subduction Zone 4D (SZ4D) Collective Impact Committee (CIC)	2022 -
Ocean Bottom Seismometer Instrument Center (OBSIC) Operations Subcommittee	2020 -
UNOLS Marine Seismic Research Oversight Committee (MSROC)	2020 -

### CONFERENCE AND WORKSHOP ORGANIZATION

MSROC Early Career Program Workshop	
Organizing Committee	2023
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

## AGU FALL MEETING

OSPA Judge, GeoPrisms Student Prize Judge

### Primary Convener

Geophysical Imaging of Magma Storage and Transport at Volcanoes 2023

Geophysical, Mechanical, and Geologic Constraints on the Subduction Interface 2020

Interface

Synthesis: Knowns and Unknowns of the Cascadia Subduction System 2018

New Insights on the Cascadia Subduction Zone from Offshore and Amphibious Studies 2017

Studies

### Convener

Volcano Seismology and Acoustics: Recent Advances in Understanding Volcanic Processes 2022

Volcanic Processes

Volcano Seismology and Acoustics: Recent Advances in Understanding Volcanic Processes 2021

Volcanic Processes

The Cascadia margin: Linking geophysical characteristics with subduction zone structure and evolution 2021

zone structure and evolution

Whose Fault Is It? Relating Structural and Compositional Heterogeneity to Slip Behavior 2018

Behavior

### Session Chair

Scientific Advances from Subduction Zone Observatories 2015

## SSA ANNUAL MEETING

### Session Organizer

Marine Seismoacoustics 2024

## EGU GENERAL ASSEMBLY

### Convener

Ocean bottom seismology throughout the years: instrumentation, processing and interpretations 2024

interpretations

## JOURNAL REVIEWER

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

## PROPOSAL AD HOC REVIEWER

NSF EAR: Petrology and Geochemistry, GeoPRISMS, Geophysics, Earthscope; NSF OCE: Marine Geology and Geophysics, Ocean Sciences Postdoc Research Fellowship; UKRI NERC

## PROPOSAL PANEL REVIEWER

USGS Earthquake Hazards Program, NSF EAR: Instrumentation and Facilities, NSF OCE: Marine Geology and Geophysics

## MEMBERSHIP

American Geophysical Union, Seismological Society of America, ITU-WMO-UNESCO IOC Joint Task Force on SMART Cable Systems

## INSTITUTIONAL SERVICE

**UNIVERSITY OF HAWAI'I AT MĀNOA**

School of Ocean and Earth Science and Technology

Research Vessel Operations Committee 2021 -

**Department of Earth Sciences**

Faculty Search Committee Member (Geophysics) 2023

Faculty Search Committee Member (Coastal Processes) 2022

JEDI and Dept. Community Committee (member) 2023 -

JEDI and Dept. Community Committee (Inaugural Chair) 2021 - 2023

Huliāmahi Faculty Primary Liason (Student-Led Grassroots JEDI Focus Group) 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

**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

**ADVISING AND MENTORING****UNIVERSITY OF HAWAI'I AT MĀNOA**

Primary Graduate Advisor

*Charles Hoots* (PhD Student, 2023-current); *Ian Wynn* (PhD Student, 2022-current); *Elliona Maso* (MS Student, 2022-current); *Jade Wight* (MS Student, 2021-2023)

Undergraduate Research Advisor

*Allison Yamakawa* (2023; project based at PTWC with Jonathan Weiss); *Casey Wandasan* (2022-current); *Sophia Hernandez* (2021-2022)

Visiting Students

*Aude Guérin* (2022 Graduate Intern, École Normale Supérieure, now M2 student at IPGP); *Elise Staat* (2022 ESVI REU, South Dakota School of Mines and Technology, '22; now GNSS Global Network Engineer at EarthScope Consortium Inc.); *Madeleine Tan* (2021 ESVI REU, University of Michigan, '22; now Physical Scientist at USGS)

Notable Student Accomplishments

*Casey Wandasan* - 2023 Stefan Seyb Award, Department of Earth Sciences*Sophia Hernandez* - UROP Funding Recipient; 2022 Fall Undergraduate Research Showcase presentation titled "Monitoring Seismic Noise in Manoa during Covid-19 and Beyond"

Thesis Committee Member

Andrea Tonato (2021-current; MS); Hannah Tilley (2020-2021; PhD)

MS Plan B Committee Member

Alan McFall (2023-current; MS); Shirin Wyckoff (2024-current; MS)

Interim Committee Member

Rose Gallo (2021-2022), Jordan Ando (2022-current)

Comprehensive Exam Committee Member

Rose Gallo (2022), Abigail Flom (2021), Chiara Ferrari-Wong (2021), Elizabeth Benyshek (2021), Kelly McCartney (2021)

Qualifying Exam Committee Member

Ian Wynn (2023), Sarah Popenhagen (2022)



## EXTERNAL COMMITTEES AND ADVISING

## PhD Thesis Committee

Joseph Phillips, Northern Arizona University (2021-current; *primary advisor: Dr. Jim Gaherty*)

## PUBLIC OUTREACH AND MEDIA

## INTERVIEWS

Television: ABC Philadelphia; KHON2 News

Print Media: National Geographic; EARTH Magazine

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

JEDI in the Geosciences, REU Seminar, UH Mānoa 2021

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&amp;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

## 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*

Wynn, I.‡, H. A. Janiszewski, J. Power, M. Haney, D. Roman, Investigation of Magmatic Systems Through Novel Seismic Receiver Function Analysis at Aleutian Arc Volcanoes, *2023 Fall AGU Meeting.* 2023

Wandasan, C.\*, H. A. Janiszewski, I. Wynn‡, J. Power, M. Haney, Comparison of Crustal Magmatic Storage at Aleutian Volcanoes, Gareloi and Kanaga, using Teleseismic Receiver Function Analysis, *2023 Fall AGU Meeting.* 2023

Janiszewski, H. A., N. Bennington, J. Wight‡, Probing Magma Storage and Transport Beneath Pāhala, Hawai'i, *2023 Fall AGU Meeting.* (Invited) 2023

Janiszewski, H. A., Z. Eilon, J. B. Russell, B. Brunsvik, J. B. Gaherty, S. G. Mosher, W. B. Hawley, S. Coats, Understanding Broadband Ocean Bottom Seismometer Noise: Fresh Insights and Future Directions, *2023 IUGG Meeting.* 2023

- Janiszewski, H. A., I. Wynn<sup>‡</sup>, C. Wandasana\*, L. Wagner, D. Roman, M. Tan\*, D. Portner, Improved Estimates of Crustal Magmatic Storage at Arc Volcanoes Through Seismic Receiver Functions, *2023 IUGG Meeting*. 2023
- Janiszewski, H. A., Z. Eilon, J. B. Russell, B. Brunsvik, J. B. Gaherty, S. G. Mosher, W. B. Hawley, S. Coats, Understanding Broadband Ocean Bottom Seismometer Noise: Fresh Insights and Future Directions, *2023 EGU General Assembly*. (Invited) 2023
- Wight, J.<sup>‡</sup>, H. A. Janiszewski, N. Bennington, Receiver Function Imaging of Kīlauea using Nodal and Broadband Seismometers, *2023 IAVCEI General Assembly*. 2023
- Janiszewski, H. A., L. Wagner, D. Roman, M. Tan\*, D. Portner, Improved Estimates of Crustal Magmatic Storage Through Seismic Receiver Functions, *2023 IAVCEI General Assembly*. 2023
- Wight, J.<sup>‡</sup>, H. A. Janiszewski, Receiver Function Imaging of Kīlauea using Nodal and Broadband Seismometers, *2022 Fall AGU Meeting*. 2022
- Janiszewski, H. A., L. Wagner, D. Roman, M. Tan\*, D. Portner, Improved Estimates of Crustal Magmatic Storage in the Alaska-Aleutian Arc Through Seismic Receiver Functions, *2022 Fall AGU Meeting*. 2022
- Rowe, C., B. Howe, M. Angove, J. Aucan, C. Barnes, J. Barros, N. Bayliff, N. Becker, F. Carrilho, M. Fouch, B. Fry, J. Grossman, H. A. Janiszewski, A. Jamelot, L. Kong, D. Luther, S. Lenz, G. Marinaro, L. Matias, A. Salaree, A. Eka Sakya, T. Thiele, F. Tilmann, C. von Hillebrandt-Andrade, L. Wallace, S. Weinstein, W. Wilcock, An Update on the SMART Cables Initiative for Observing the Ocean and Earth *2022 Fall AGU Meeting* 2022
- Hua, J., S. Grand, C. Liu, H. A. Janiszewski, D. Trugman, Slab-Plume Interactions across North/Central America Revealed by Adjoint Tomography, *2022 Fall AGU Meeting*. 2022
- Wight, J.<sup>‡</sup>, H. A. Janiszewski, Subsurface Imaging of Kīlauea using Nodal Seismometers, *2022 SAGE/GAGE Workshop*. 2022
- Janiszewski, H. A., C. Caplan, M. Chertok, S. Coats, T. McKenzie, B. Okuhata, A. Pietruszka, E. Ravanis, T. Shea, D. Tachera, F. Zhu, Huliāmahi: Overflowing of JEDI Efforts at the University of Hawai'i at Mānoa , *2021 Fall Meeting, AGU*. 2021
- Tan, M.\* , H. A. Janiszewski., J. Ritsema, Receiver function analysis of the magmatic plumbing system beneath Okmok volcano, *2021 Fall Meeting, AGU*. 2021
- Kent, A., C. Till, G. Abers, P. Wieser, B. Pitcher, H. A. Janiszewski., J. Gaherty, Linking large geochemical and geophysical data sets to help understand magmatic processes in Cascadia, *2021 Fall Meeting, AGU*. 2021
- Janiszewski, H. A., G. A. Abers, J. B. Gaherty, Z. Eilon, L. Wagner, D. Roman, J. Power, D. Portner, M. Haney, Multiscale Amphibious Experiments at Subduction Zones: Recent Advancements and Future Directions, *2021 SSA Annual Meeting*. (Invited) 2021
- Janiszewski, H. A., J. B. Russell, W. B. Hawley, Y. J. Tan, C. Lynner, J. B. Gaherty, Z. Eilon, S. G. Mosher, 10+ Years of Ocean Bottom Seismometer Noise: Fresh Insights and Persistent Questions, *2021 Marine Seismology Symposium*. (Invited) 2021
- Janiszewski, H. A., J. B. Russell, W. B. Hawley, Y. J. Tan, C. Lynner, J. B. Gaherty, Z. Eilon, S. G. Mosher, 10+ Years of Ocean Bottom Seismometer Noise: Fresh Insights and Persistent Questions, *2020 Fall Meeting, AGU*. (Invited) 2020
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