

Danielle Lindsay
Ph.D. Candidate
University of California, Berkeley
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Education

University of California, Berkeley

Ph.D. in Geology | 2019 - Present

- **Committee:** Prof. Roland Bürgmann, Prof. Michael Manga, Prof. Douglas Dreger, Prof. Nicholas Sitar

Victoria University of Wellington

MSc (Distinction) in Geophysics | 2019

- **Thesis:** “Geodetic investigation of triggered slip below Fiordland”
- **Advisors:** Prof. John Townend, Dr. Ian Hamling

BSc with Honors (First Class) in Geology | 2017

- **Dissertation:** “Continuous and campaign GPS measurements across the central Southern Alps 1997–2017”
- **Advisors:** Prof. John Townend, Dr. Sigrún Hreinsdóttir

New Zealand School of Dance

Advanced Diploma in Dance Performance | 2010

Publications

- **Lindsay, D.**, & Bürgmann, R. (in prep). 3D Velocity Field for Northern California with L-band InSAR: Validation, Limitations, and Observations 2015-2024.
 - **Lindsay, D.**, & Bürgmann, R. (in prep). Slow-Moving Landslide Response to Earthquake Shaking and Atmospheric Rivers in Northern California From 2021-2023 InSAR Time Series.
 - **Lindsay, D.**, Taira, T., & Bürgmann, R. (in prep). Temporal and Spatial Creep Variability: Detecting Decadal Changes in Fault Behavior in Northern California.
 - Materna, K., Bürgmann, R., **Lindsay, D.**, Bilham, R., Herring, T., Crowell, B., & Szeliga, W. (2024). Shallow slow slip events in the Imperial Valley with along-strike propagation. *Geophysical Research Letters*, 51(12), e2023GL108089.
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Selected Conference Presentations

- Belhadj-Aissa, S., Fielding, E., Liu, Z., Tymofyeyeva, E., Havazli, P., Rosen, P., **Lindsay, D.**, & Bürgmann, R. (2024). United States West Coast Surface Deformation With Wide-swath L-Band ALOS-2 PALSAR-2 and NISAR. *IEEE IGARSS 2024*.
 - **Lindsay, D.**, & Bürgmann, R. (2023). Slow-Moving Landslide Response to Earthquake Shaking and Atmospheric Rivers in Northern California From 2021-2023 InSAR Time Series. *AGU Fall Meeting Abstracts 2023*.
 - Milliner, C., Avouac, J.P., **Lindsay, D.**, Guvercin, S., Konca, A.O., & Bürgmann, R. (2023). 3D Near-field Surface Deformation, Stress, and Friction of the 2023 Mw 7.8 and Mw 7.6 Kahramanmaraş Earthquakes Measured by Radar and Optical Pixel Offsets. *AGU Fall Meeting Abstracts 2023*.
 - **Lindsay, D.**, Bürgmann, R., Li, Y., Xu, Y., Liang, C., & Materna, K. (2022). ALOS-2 Observations Across Spatial Scales in Central and Northern California. *AGU Fall Meeting Abstracts 2022*.
 - **Lindsay, D.**, Bürgmann, R., Materna, K. (2020). ALOS-2 Time Series of Long-wavelength Deformation near the Mendocino Triple Junction. *AGU Fall Meeting Abstracts 2020*.
 - Sandoe, L., Materna, K., **Lindsay, D.**, & Bürgmann, R. (2020). Clustering Interseismic Strain Rates Near the Mendocino Triple Junction. *AGU Fall Meeting Abstracts 2020*.
 - **Lindsay, D.**, Hamling, I.J., & Townend, J. (2019). Geodetic Investigation of Triggered Slip near Secretary Island, Puysegur Subduction Zone, New Zealand. *AGU Fall Meeting Abstracts 2019*.
 - **Lindsay, D.**, Townend, J., & Hreinsdóttir, S. (2017). 20 Years of Campaign and Continuous GPS Across the Central Southern Alps. *GSNZ 2017*.
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Research Fellowships and Grants

- USGS Earthquake Hazards Program G24AP00049 (93,000 USD) | 2024
 - FINESST: Future Investigators in NASA Earth and Space Science and Technology (135,000 USD) | 2021
 - Fulbright-EQC Graduate Award in Natural Disaster Research (70,000 USD) | 2019
 - VUW Faculty Strategic Research Grant (2,000 NZD) | 2018
 - Frank Evison Research Scholarship in Geophysics (15,000 NZD) | 2018
 - EQC Program in Seismology and Fault Mechanics (10,000 NZD) | 2018
 - Victoria Graduate Scholarship (5,000 NZD) | 2017
 - Freemasons University Scholarship (6,000 NZD) | 2017
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Professional Experience

Passive Seismology Field Technician

GNS Science, Department of Marine Geoscience, New Zealand | 2018

Geodetic Field Assistant

GNS Science, Geodetic Team, New Zealand | 2017

Summer Research Scholar

GNS Science, Department of Marine Geoscience, New Zealand | 2017

Research Assistant

Victoria University of Wellington, New Zealand | 2016

Honors and Awards

- Outstanding Graduate Student Instructor | 2023
 - SSA Student Travel Scholarship | 2023
 - SAGE/GAGE Student Travel Scholarship | 2019
 - Included on the Dean's List for Academic Excellence | 2015 & 2016
 - VUW Top Student Prize in Geology | 2015 & 2016
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Teaching Experience**Teaching Assistant, University of California, Berkeley**

- EPS 116: Structural Geology and Tectonics | 2020, 2022

Teaching Assistant, Victoria University of Wellington

- ESCI 342: Structural Field Geology, Kekerengu, New Zealand | 2017-2019
 - ESCI 302: Structural Geology | 2018
 - ESCI 111: Introduction to Physical Geography and Earth Sciences | 2016
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Leadership & Service

- EPS Graduate Mentor | 2020-2023
- Participant in EPS Graduate Student DEI Action | 2020
- UAW 2865 - UC Student Workers Area Leader | 2019-2020
- Sponsorship Officer, VUW Geology Society | 2017
- Member, Women in Earth and Environmental Sciences in Australasia | 2018