

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 From L-Band InSAR Reveals Multi-Scale Tectonic and Non-tectonic Deformation in Northern California.

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.

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*.

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*.

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

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

Teaching Experience

Teaching Assistant, University of California, Berkeley

- EPS 20: Earthquakes in your Backyard | 2024
- 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

Selected 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

Leadership & Service

Moment Tensor Duty for NCSN at Berkeley Seismology Lab | 2020-present

EPS Graduate Mentor | 2020-2024

Participant in EPS Graduate Student DEI Action | 2020

Sponsorship Officer, VUW Geology Society | 2017