

William E. Holt

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Professional Preparation

Ph.D. University of Arizona, Geophysics (Seismology), 1989
M.S. University of Arizona, Geophysics (Geodynamics), 1986
B.S. Northern Arizona University, (Geophysics), 1983

Appointments *Professor*, Department of Geosciences, 9/01-present.
Associate Professor, Earth and Space Sciences, SUNY-Stony Brook, 9/96-8/01
Assistant Professor, Earth and Space Sciences, SUNY-Stony Brook. 9/91-9/96 *Post-Doctoral Research Fellow*, DSIR, Geophysics Division, Wellington, NZ, 8/89-8/91

Research Interests: Kinematics and dynamics from regional to global scale, seismology, global mantle convection coupled to lithosphere dynamics

Awards: AGU Fellow, 2004, for Contributions to Understanding of Kinematics and Dynamics of the Lithosphere; Distinguished Alumni Award, University of Arizona, Department of Geosciences, 2002; NSF Faculty CAREER award: 1995 – 2000. New Zealand Ministerial Award, 1991, Kinematics of the Lithosphere.

Professional Service:

EarthScope Advisory Committee 2021-2022, EarthScope Governance Planning Workshop (18 members): Fort Collins, Colorado, April 2022. Nominated to run for UNAVCO Board of Directors, 2020 election; UNAVCO Data Products Subcommittee, 2018; UNAVCO Board of Directors, Vice Chair, 2010, Chair 2011-2013; EarthScope Steering Committee member, National Science Foundation, 2006 – 2010; Fellows Committee – T-Section, AGU; National Research Council, Committee on Seismology and Geodynamics, 2003-2009; Board of Directors for UNAVCO, Inc., 2001-2003; EarthScope Plate Boundary Observatory Steering Committee, 2003-2005. Project Leader of the ILP-Project-II-8, which developed the original *Global Strain Rate Map*.

Selected Publications

H-index=46; i10-index = 69; number of citations = 7450

https://scholar.google.com/citations?hl=en&user=tBN81YkAAAAJ&view_op=list_works

Sui, S[†], Shen, W., **Holt, W.**, & Kim, J[†]. (2023). Crustal architecture across Southern California and its implications on San Andreas Fault development. *Geophysical Research Letters*, 50, e2022GL101976. <https://doi.org/10.1029/2022GL101976>

Rasbury, E.T., G. Piccione, **W.E. Holt**, W.B. Ward, Potential for constraining sequence stratigraphy and cycle stratigraphy with U-Pb dating of carbonates, *Earth-Science Reviews* Volume 243, August 2023, 104495, <https://doi.org/10.1016/j.earscirev.2023.104495>

Bahadori, A.[†], **Holt, W.E.**, Feng, R. *et al.* (2022). Coupled influence of tectonics, climate, and surface processes on landscape evolution in southwestern North America. *Nature Communications* **13**, 4437 (2022). <https://doi.org/10.1038/s41467-022-31903-2>

Bahadori, A.[†], **Holt, W.E.**, Austermann, J. *et al.* The role of gravitational body forces in the development of metamorphic core complexes (2022). *Nature Communications* **13**, 5646 (2022). <https://doi.org/10.1038/s41467-022-33361-2>.

