

Ellianna Abrahams

Research Technology Consultant, Stanford Doerr School of Sustainability -
Dean's Office

Professional

WORK EXPERIENCE

- Data Science Postdoctoral Fellow - Stanford University

Publications

PUBLICATIONS

- **SWOT High-Rate Raster Data Reveals Antarctic Ice Shelf Motion and Change in Response to Ocean and Ice Dynamics** *GEOPHYSICAL RESEARCH LETTERS*
Howard, S. L., Katz, Z. S., Padman, L., Siegfried, M. R., Abrahams, E., Snow, T. M.
2026; 53 (14)
- **Next-generation radar bed measurements should be optimized for assimilation or repeat-pass profiling.** *Philosophical transactions. Series A, Mathematical, physical, and engineering sciences*
Schroeder, D. M., Abrahams, E., Broome, A. L., Chu, W., Culberg, R., Dawson, E. J., MacKie, E. J., May, D. F., Siegfried, M. R., Teisberg, T. O., Zhao, S.
2026; 384 (2319)
- **Subglacial Conditions Estimated From Unsupervised Clustering Analysis of Radar Bed-Echo Shape** *IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING*
Verboncoeur, H., Hills, B. H., Siegfried, M. R., Abrahams, E., Holschuh, N.
2026; 19: 23159-23172
- **Feasibility of ice-penetrating radar sounding from stratospheric UAS platforms**
Teisberg, T. O., Mascarenhas, C., Abrahams, E., Schroeder, D. M., Anderson, J. G., IEEE
IEEE.2025: 769-774
- **Automatic identification of streamlined subglacial bedforms using machine learning: an open-source Python approach** *BOREAS*
Abrahams, E., McKenzie, M., Perez, F., Venturelli, R.
2024