



Earle Wilson

Assistant Professor of Earth System Science, by courtesy, of Geophysics, of Oceans and Center Fellow, by courtesy, at the Woods Institute for the Environment

Bio

BIO

Earle Wilson is an assistant professor in the Department of Earth System Science. He is a physical oceanographer who studies ocean dynamics at high latitudes and their far-reaching impacts on the global climate. He is particularly interested in the circulation of the Southern Ocean and its interactions with the cryosphere (i.e., sea ice and marine-terminating glaciers). Dr. Wilson and his group explore these research questions using various tools and methods, ranging from in situ ocean observations and idealized numerical models.

ACADEMIC APPOINTMENTS

- Assistant Professor, Earth System Science
- Center Fellow (By courtesy), Stanford Woods Institute for the Environment
- Assistant Professor (By courtesy), Geophysics
- Assistant Professor (By courtesy), Oceans

ADMINISTRATIVE APPOINTMENTS

- Assistant Professor, Earth System Science, (2022- present)

PROFESSIONAL EDUCATION

- PhD, University of Washington , Oceanography (2019)
- BS, Columbia University , Applied Physics (2012)

LINKS

- group website: <https://polar.stanford.edu/>

Teaching

COURSES

2023-24

- Polar Climate Dynamics: ESS 248 (Spr)

2022-23

- Atmosphere, Ocean, and Climate Dynamics: the Ocean Circulation: CEE 162I, CEE 262I, EARTHSYS 146B, ESS 246B (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Zack Kaufman

Doctoral (Program)

Lexi Arlen, JeongHyun Kim, Lemona Niu

Publications

PUBLICATIONS

- **Commercial krill fishing within a foraging supergroup of fin whales in the Southern Ocean.** *Ecology*
Ryan, C., Santangelo, M., Stephenson, B., Branch, T. A., Wilson, E. A., Savoca, M. S.
2023: e4002