

Curriculum Vitae

Eli Tziperman

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Born 1957, married+3.

Areas of Interest:

Large-scale climate and ocean dynamics: El Niño, meridional overturning ocean circulation, past and future warm climates, abrupt climate change, glacial cycles, Snowball Earth, ocean data assimilation.

Education:

Hebrew Univ., Jerusalem	B.A., with distinction	1982	Physics and Math
MIT—Woods Hole Oceanographic Institution	Ph.D.	1987	Physical Oceanography
<i>Adviser:</i> Carl Wunsch			
Weizmann Inst. of Science	Postdoctoral Fellow	1987–89	Physical Oceanography

Appointments:

2003–	Prof of Oceanography & Applied Physics, Harvard University, Dept of Earth and Planetary Sciences and School of Engineering and Applied Sciences		
1998–2003	Prof., Dept. of Environmental Sciences, Weizmann Institute of Science		
1994–1998	Associate Prof., Dept. of Environmental Sciences, Weizmann Inst. of Science		
1990–1993	Senior Scientist, Dept. of Environmental Sciences, Weizmann Inst. of Science		
1989–1990	Scientist, The Weizmann Institute of Science		

Misc:

Prof. E.D. Bergman Memorial Award, 1990. Israeli-US Binational Science foundation.

Alon Scholarship, 1989. Israeli Academic Planning and Grant Committee (VATAT).

Carl-Gustav Rossby Award for the most outstanding thesis submitted to the Center for Meteorology and Physical Oceanography, MIT, in the academic year 1986–1987.

Meirbaum Oceanographic Scholarships, Hebrew University, 1984, 1985, 1987.

Publications: Eli Tziperman.

- E. Tziperman. On the role of interior mixing and air-sea fluxes in determining the stratification and circulation of the oceans. *Journal of Physical Oceanography*, 16:680–693, 1986. [download](#).
- E. Tziperman. The Mediterranean outflow as an example of a deep buoyancy - driven flow. *Journal of Geophysical Research*, 92(C13):14510–14520, 1987. [download](#).
- E. Tziperman. Calculating the time-mean oceanic general-circulation and mixing coefficients from hydrographic data. *Journal of Physical Oceanography*, 18(3):519–525, March 1988. [download](#).
- E. Tziperman and A. Hecht. Circulation in the Eastern Levantine Basin determined by inverse methods. *Journal of Physical Oceanography*, 18(3):506–518, March 1988. [download](#).
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- K. Speer and E. Tziperman. Rates of water mass formation in the North-Atlantic Ocean. *Journal of Physical Oceanography*, 22(1):93–104, January 1992. [download](#).
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- E. Tziperman, J. R. Toggweiler, Y. Feliks, and K. Bryan. Instability of the thermohaline circulation with respect to mixed boundary-conditions: Is it really a problem for realistic models? *Journal of Physical Oceanography*, 24(2):217–232, February 1994. download.
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