

Ilai Guendelman

Department of Earth and Planetary Science
 Weizmann Institute of Science
 Email: ilai.guendelman@weizmann.ac.il
 Website: ilaiguendelman.com

Education

PhD	Atmospheric Dynamics Weizmann Institute of Science, Rehovot, Israel Advisor: Prof. Yohai Kaspi	2018-present
MSc	Atmospheric Dynamics Weizmann Institute of Science, Rehovot, Israel Advisor: Prof. Yohai Kaspi	2015-2018
BSc	Geology Ben Gurion University of the Negev, Beer Sheva, Israel	2012-2015

Teaching

Teaching Assistant	Global Warming debates Feinberg Graduate School, Weizmann Institute of Science Instructor: Dr. Eli Galanti	2019
	Atmospheric and Oceanic Fluid dynamics Feinberg Graduate School, Weizmann Institute of Science Instructor: Prof. Yohai Kaspi	2018

Publications

1. **Guendelman I.** and Y. Kaspi, 2018, [An axisymmetric limit for the width of the Hadley cell on planets with large obliquity and long seasonality](#), *Geophys. Res. Lett.*, 45, 13,213– 13,221
 2. **Guendelman I.** and Y. Kaspi, 2019, [Atmospheric dynamics on terrestrial planets: The seasonal response to change in orbital, rotation and radiative timescales](#), *Astrophys. J.*, 881, 67
 3. **Guendelman I.** and Y. Kaspi, 2020, [Atmospheric dynamics on terrestrial planets with eccentric orbits](#), *Astrophys. J.*, 901, 46
 4. **Guendelman I.**, D. W. Waugh, Y. Kaspi, 2021, [The emergence of a summer hemisphere jet in planetary atmospheres](#), *J. Atmos. Sci.*, 78(10), 3337-3348
 5. **Guendelman I.**, D. W. Waugh, Y. Kaspi, [Dynamical regimes of polar vortices on terrestrial planets with a seasonal cycle](#), *In press, PSJ*
 6. **Guendelman I.**, Y. Kaspi, [The influence of the meridional atmospheric heat transport on the surface temperature seasonal cycle](#), *Submitted, AGU Advances*
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Conference presentations

- **Atmospheric dynamics on terrestrial planets with eccentric orbits**, The American Geoscience Union General Assembly, Online, December 2020, *Oral Presentation*

- **Atmospheric dynamics on terrestrial planets with eccentric orbits**, Europlanet Science Congress, Online, September 2020, *Oral Presentation*
- **Atmospheric dynamics on terrestrial planets: The seasonal response to changes in orbital, rotation and radiative timescales**, Climate and wave dynamics, Eilat, Israel, September 2019, *Oral presentation*
- **An axisymmetric limit for the width of the Hadley circulation on planets with large obliquity and long seasonality**, 22nd American Meteorological Society Conference on Atmospheric and Oceanic Fluid Dynamics, Portland, ME, USA, June 2019, *Oral presentation*
- **Seasonal climate variability over a wide range of orbital and atmospheric characteristics**, 22nd American Meteorological Society Conference on Atmospheric and Oceanic Fluid Dynamics, Portland, ME, USA, June 2019, *Poster presentation*
- **Comparative climatology of terrestrial planets with strong seasonality**, The European Geoscience Union General Assembly, April 2019, Vienna, Austria, *Oral Presentation*
- **Planetary climate dynamics over a wide range of orbital and atmospheric characteristics**, EPScon, Rehovot, Israel, March 2019, *Poster presentation*
- **An axisymmetric limit for the width of the Hadley circulation on planets with large obliquity and long seasonality**, GFD day, Sde Boker, Israel, January 2019, *Oral Presentation*
- **Planetary climate dynamics over a wide range of orbital and atmospheric characteristics**, The American Geoscience Union General Assembly, Washington D.C., USA, December 2018, *Oral presentation*
- **Planetary climate dynamics over a wide range of orbital and atmospheric characteristics**, Comparative climatology of Terrestrial planets III, Houston, USA, August 2018, *Poster presentation*
- **Climate dependencies on obliquity and radiative timescales**, 21th American Meteorological Society Conference on Atmospheric and Oceanic Fluid Dynamics, Portland, OR, USA, June 2017, *Poster presentation*
- **Climate dependencies on obliquity and radiative timescales**, Diversity of planetary circulation regimes in our solar system and beyond, Les Houches winter school, France, March 2017, *Poster presentation*
- **Climate dependencies on obliquity and radiative timescales**, GFD days, Sde Boker, Israel, January 2017, *Poster presentation*