

CURRICULUM VITAE – DOLEV BASHI

Last update: 18-Sep-21

Contact Information

dolevbas@mail.tau.ac.il
<https://dolevbas.github.io/>
Twitter: @BashiDolev

School of Geosciences, Raymond and Beverly
Sackler Faculty of Exact Sciences, Tel Aviv
University, Tel Aviv, 6997801, Israel

Research Interests

Extrasolar planets in the Galactic context, Planetary system architectures, Space exploration & nanosatellites

Education

Ph.D.: School of Geosciences, Tel-Aviv University (Advisor: Prof. Shay Zucker) 2017 – present
M.Sc. (summa cum laude): Department of Geophysics & Planetary Sciences, Tel Aviv University (Advisors: Prof. Ravit Helled, Prof. Shay Zucker) 2015 – 2017
B.Sc.: School of Physics and Astronomy, Tel Aviv University 2008 – 2011

Refereed Publications

[1] **Bashi, D.**, and Zucker, S.: Quantifying the similarity of planetary system architectures 2021,A&A,651,A61
[2] **Bashi, D.**, Zucker, S., Adibekyan, V., Santos, N. C., Tal-Or, L., Trifonov, T., and Mazeh, T.: Occurrence rates of small planets from HARPS: Focus on the Galactic context 2020,A&A,643,A106
[3] **Bashi, D.**, and Zucker, S.: Small planets in the Galactic context: host star kinematics, iron and α elements 2019,AJ,158,2
[4] **Bashi, D.**, Helled, R., and Zucker, S.: A Quantitative Comparison of Exoplanet Catalogs 2018,Geoscience,8,325
[5] **Bashi, D.**, Helled, R., Zucker, S., and Mordasini, C.: Two Empirical Regimes of the Planetary Mass-Radius Relation 2017,A&A,604,A83

Employment

System engineer, Nanosatellites and space science center, Tel Aviv University 2018 – present
Military Service, unit 81 (IDF Intelligence Technological unit), rank: Captain 2011 – 2017

Talks and Posters

Poster: Quantifying the similarity of planetary system architectures (TESS Science Conference II – virtual) Aug 2021
Talk: Nanosatellites and the new space revolution (Technion, Haifa – virtual) Feb 2021
Poster: Occurrence rates of small planets from HARPS: Focus on the Galactic context (Exoplanets III, Heidelberg – virtual) Aug 2020
Talk: Small Planets in the galactic context- the era of Gaia, (Porto MW-Gaia WG3 Workshop) Nov 2019

<u>Talk</u> : Small Planets in the galactic context (The Hebrew University of Jerusalem)	Jun 2019
<u>Talk</u> : Two empirical regimes of the planetary mass-radius relation (University of Zurich, University of Bern)	Apr 2018

Observing Experience

LCO 10h using NRES	2021
--------------------	------

Scholarships and Honors

The Akiva Bar-Nun scholarship for excellence	2019
Dean's scholarship for academic excellence	2017

Satellites contribution

TAUSAT-2 (new communication demonstration 2U CubeSat)	2021-present
COTS-Capsule (radiation experiment to ISS)	2021-present
TAUSAT-1 (radiation and space weather dedicated 3U CubeSat)	2019-present

Outreach

Lecturing astronomy to school students at all ages
Mentor of TEVEL (students building satellites) project