

CURRICULUM VITAE – DOLEV BASHI

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Contact Information

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School of Geosciences, Raymond and Beverly
Sackler Faculty of Exact Sciences, Tel Aviv
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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
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Scholarships and Honors

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

Satellites Contribution

TAUSAT-2 (a communication protocol 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