

Ivan Stanković

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[Personal website](#) with [publications](#)
[ORCID](#), [GitHub](#), [LinkedIn](#)

About

I am a second-year PhD student in Astronomy at the University of Vienna, working on modelling upper planetary atmospheres with a focus on chemistry, photochemistry, and atmospheric escape mechanisms. My research involves improving an in-house first-principles 1D model (The Kompot Code), particularly its chemical network component, and applying it to a range of exoplanets observable with JWST and ESA's Ariel mission. My main interests include atmospheric characterization, mass loss and evolution, transmission and emission spectroscopy, and data reduction.

Education

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| 2024–now | Doctor rerum naturalium in Astronomy
University of Vienna, Austria |
| 2022–2024 | Laurea Magistrale in Astrophysics and Cosmology
University of Padua, Italy – Master's thesis |
| 2017–2022 | Bachelor in Astronomy
University of Belgrade, Serbia |
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Work experience

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| 2024–now | Predocctoral University Assistant
University of Vienna, Austria |
| 2019–2022 | Junior Assistant
Petnica Science Center, Serbia |
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Teaching

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| 2026S | Radiative Processes & Quantum Mechanics (exercise leader) |
| 2025W | Stars and Planetary Systems (exercise leader) |
| 2025S | Radiative Processes & Quantum Mechanics (exercise leader) |

Conferences & talks

- 04.2026 Science with the Hubble and James Webb Space Telescopes VIII
Vienna, Austria – poster with context talk
- 02.2026 Austrian early career conference
Salzburg, Austria – contributed talk
- 02.2026 Padova exoplanet seminar
Padova, Italy – invited talk
- 12.2025 Wienerwald Astronomy Symposium
ISTA, Klosterneuburg, Austria – contributed talk
- 10.2025 Graz-Vienna Exoplanet Scientist Meeting (GVESM VII)
Vienna, Austria – contributed talk
- 06.2025 European Astronomical Society (EAS) Annual Meeting
Cork, Ireland – ePoster with short presentation
- 05.2025 Advanced School on Exoplanet Science V (ASES V)
Vietri sul Mare, Italy – participant
- 05.2025 Graz-Vienna Exoplanet Scientist Meeting (GVESM VI)
Vienna, Austria – flash talk
- 04.2025 Ariel Consortium Meeting
Leiden, Netherlands – participant
- 07.2024 European Astronomical Society (EAS) Annual Meeting
Padua, Italy – participant & volunteer

Memberships

- 2025–now [VISESS PhD board](#)
- 2024–now Ariel Consortium
- 2024–now European Astronomical Society (EAS)
- 2024–now Austrian Society for Astronomy and Astrophysics (ÖGAA)
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Outreach and volunteering

04.2026	Lange Nacht der Forschung Vienna, Austria – station leader (in German)
01.2026	Berufspraktische Tage Vienna, Austria – presenter (in German)
10.2021	European Researchers' Night Belgrade, Serbia – presenter – video
2014–2020	Petnica Meteor Group Serbia – member
11.2019	Belgrade Festival of Science Belgrade, Serbia – volunteer
08.2017	International Meteor Conference Petnica Science Center, Serbia – member of Local Organising Committee

Skills

Python: numpy, matplotlib, scipy, astropy, pandas, scikit-learn, tensorflow
Other: LaTeX, Git, MATLAB (basic), fortran (basic)

Languages

Native	Serbian-Croatian-Bosnian
Fluent	English
Independent	Italian, German
