

# JORDAN B. S. VAN BEECK

## Work Address (until December 22, 2023)

Institute of Astronomy  
Department of Physics & Astronomy • KU Leuven  
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## Mailing Address

Plutostraat 19  
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## Online Presence Personal Webpage ResearchGate page LinkedIn page

 Google Scholar page  Github page (JVB11)  ArXiv records  ADS library

 Researcher ID  0000-0002-5082-3887  Zenodo records

## SCIENTIFIC EDUCATION

09/2019 - 09/2023	<b>ASTRONOMY &amp; ASTROPHYSICS, Ph.D.</b> KU Leuven, Belgium Thesis title: Asteroseismology of Kepler B stars: internal magnetism and nonlinear mode coupling <i>Promoters: Prof. Dr. C. Aerts, Prof. Dr. T. Van Hoolst, Dr. Prof. D. M. Bowman</i>
09/2017 - 07/2019	<b>ASTRONOMY &amp; ASTROPHYSICS, M.Sc.</b> KU Leuven, Belgium Thesis title: The influence of an interior magnetic field on gravity-mode oscillations of intermediate-mass stars <i>Promoters: Prof. Dr. C. Aerts, Dr. T. Van Reeth, Prof. Dr. D. M. Bowman</i>
09/2015 - 09/2017	<b>CHEMIE / CHEMISTRY, M.Sc.</b> University of Antwerp (Universiteit Antwerpen), Belgium Thesis title: Characterization of radioactive particles <i>Promoters: Prof. Dr. K. Janssens, Prof. Dr. B. Salbu, Prof. Dr. O.-C. Lind, M.Sc. G. Nuyts</i>
09/2012 - 09/2015	<b>CHEMIE / CHEMISTRY, B.Sc.</b> University of Antwerp (Universiteit Antwerpen), Belgium Thesis title: Atomic scale reactive MD studies of DNA oxidation for plasma oncology: the role of H <sub>2</sub> O <sub>2</sub> and HO <sub>2</sub> <i>Promoters: Prof. Dr. A. Bogaerts, Prof. Dr. E. Neyts, Dr. C. Verlackt</i>

## EMPLOYMENT HISTORY

09/2023 - 12/2023	<b>Research Associate, Asteroseismology</b> Institute of Astronomy, KU Leuven, Celestijnenlaan 200D, B-3001 Leuven, Belgium Project: non-linear asteroseismic modeling of slowly pulsating B stars
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## AWARDED GRANTS AND FELLOWSHIPS

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2019 - 2023	4-year PhD Fellowship, Department of Physics & Astronomy, KU Leuven FWO (Research Foundation Flanders) long research stay grant ( <b>12 738€</b> ) for a stay as a <a href="#">VSR</a> at TAPIR, Caltech, CA, USA with Prof. Dr. J. Fuller.
2021 - 2022	

## SEMINARS AND CONFERENCE PRESENTATIONS (ABRIDGED)

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July 2020	<b>CONTRIBUTED TALK</b> ( <a href="https://doi.org/10.5281/zenodo.5525346">doi:10.5281/zenodo.5525346</a> ) MOBSTER-1 Virtual conference 2020: Stellar variability as a probe of magnetic fields in massive stars (online, hosted by University of Delaware, DE, USA)
November 2021	<b>CONTRIBUTED TALK</b> ( <a href="https://doi.org/10.26081/K6VH15">doi:10.26081/K6VH15</a> ) Transfer in Stellar Interiors conference (part of the Probes of Transport in Stars program), KITP, UC Santa Barbara, CA, USA.
July 2022	<b>POSTER PRESENTATION</b> (additional info: <a href="https://doi.org/10.5281/zenodo.6814504">doi:10.5281/zenodo.6814504</a> ) TASC6 / KASC13 workshop/conference at KU Leuven, Belgium.
February 2023	<b>AD-VALVAS SEMINAR</b> ( <a href="https://youtu.be/nTWZoLCMa_g?feature=shared">https://youtu.be/nTWZoLCMa_g?feature=shared</a> ) Ad-valvas seminar of the Institute of Astronomy, KU Leuven, Belgium.
March 2023	<b>GOOD VIBRATIONS SEMINAR</b> ( <a href="https://youtu.be/dWaEkri_s2I?feature=shared">https://youtu.be/dWaEkri_s2I?feature=shared</a> ) The Good Vibrations seminar series, S3E8.

## AWARDS AND HONORS

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July 2019	Paul Smeyers Prize, KU Leuven Awarded to the annual best master's thesis in Astronomy & Astrophysics at the June examination session.
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## TEACHING EXPERIENCE

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### University Courses

2019 - 2021	Teaching Assistant, Department of Physics & Astronomy, KU Leuven 'Natuurkunde met elementen van wiskunde' I and II (K01B4A and K01B4B; in Dutch, English translation: 'Physics with elements of mathematics' I and II), first year B.Sc. pharmaceutical sciences
2022 - 2023	Teaching Assistant, Department of Physics & Astronomy, KU Leuven 'Natuurkunde met elementen van wiskunde' I (K01B4A; in Dutch), first year B.Sc. pharmaceutical sciences

## RESEARCH POSITIONS

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11/2021 - 12/2021	Transport in Stellar Interiors Program Affiliate ( <a href="#">workshop</a> , <a href="#">conference</a> ) at KITP, UC Santa Barbara, CA, USA Mentor: Prof. Dr. L. Bildsten <i>Funding: FWO long research stay grant</i>
11/2021 - 06/2022	Visiting Student Researcher at TAPIR, Caltech, CA, USA Mentor: Prof. Dr. J. Fuller <i>Funding: FWO long research stay grant</i> Project Title: Nonlinear asteroseismology: a dynamic step forward. Project Focus: using nonlinear asteroseismic theory to develop computational tools that aid in explaining oscillation mode amplitude limitation in slowly pulsating B stars.

## PROFESSIONAL ACTIVITIES

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### Conference Organization

July 2022 | Member of the LOC, TASC6 / KASC13 workshop/conference at Leuven, Belgium

### Associations

2019 - 2023	Graduate Student Member <a href="#">International Research Network for Nuclear Astrophysics (IReNA)</a>
2020 - 2022	Graduate Student Member <a href="#">American Astronomical Society (AAS)</a>
2020 - 2022	Graduate Student Member <a href="#">Royal Netherlands Astronomical Society (KNA)</a>
2022	Fellow (Graduate Student) <a href="#">Royal Astronomical Society (RAS)</a>

## LANGUAGES

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### Spoken

Dutch (mother tongue)  
English (fully proficient)  
French (basic)

### Programming

Expert:



Proficient:



## SCIENTIFIC SOFTWARE PROFICIENCY

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## SCIENTIFIC SOFTWARE OWNER

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