Thiago Ferreira dos Santos

Contact: thiago.dossantos@yale.edu | Website: https://thiagofst.github.io | ORCID: 0000-0003-2059-470X Address: Department of Astronomy, Yale University, 219 Prospect St., New Haven, CT 06511, USA | Office: KT626

EDUCATION

M.Sc. in Astronomy

Yale University 08/2023 – Present

Ph.D. in Astronomy

New Haven (CT), US

Universidade de São Paulo – Instituto de Astronomia, Geofísica e Ciências Atmosféricas

08/2021 – 06/2023 São Paulo (SP), Brazil

Dissertation: Unveiling Planetary Systems in Solar Twins with High-Precision Radial Velocity

Advisor: Jorge Luis Meléndez Moreno, Ph.D.

Universidade Federal de Santa Catarina

03/2016 - 08/2021

B.Sc. in Physics Florianópolis (SC), Brazil

Advisor: Roberto Kalbusch Saito, Ph.D.

Publications

Full record at ADS Library

Referred Publications

- Galarza J. Y., Lorenzo-Oliveira, D., Ferreira T., et al., 2025, ApJ, 983, 70
 HIP 8522: A Puzzling Young Solar Twin with the Lowest Detected Lithium
- 9. Fermiano, V., et al., (incl. **Ferreira, T.**), 2024, A&A, 690, L7. The Young Exoplanetary System TOI-4562: Confirming The Presence of a Third Body in the System
- 8. **Ferreira, T.**, Rice, M., et al., 2024, AJ, 168, 145. SOLES XI. The Aligned Orbit of TOI-2533 b, a Transiting Brown Dwarf Orbiting an F8-type Star
- 7. Galarza J. Y., **Ferreira T.**, Lorenzo-Oliveira, D., et al., 2024, AJ, 168, 91. TOI-1173 A b: The First Inflated Super-Neptune in a Wide Binary System
- 6. Galarza J. Y., Reggiani H., **Ferreira T.,** et al., 2024, ApJ, 974, 122

 Detailed abundances of the planet-hosting TOI-1173 A/B system: Possible evidence of planet engulfment in a very wide binary
- 5. Saito R. K., et al., (incl. **Ferreira, T.**), 2024, A&A, 689, A148

 The VISTA Variables in the Vía Láctea eXtended (VVVX) ESO public survey: Completion of the observations and legacy
- 4. **Ferreira T.**, Saito R. K., Minniti D., et al., 2024, MNRAS, 527, 10737.

A benchmark white dwarf-ultracool dwarf wide field binary

- 3. Botan, E., et al., (incl. **Ferreira, T.**), 2021, MNRAS, 504, 654. *Unveiling short-period binaries in the inner VVV bulge.*
- 2. Herpich, F.R., et al., (incl. **Ferreira, T.**), 2021, A&A, 647, A169. *VVV survey near-infrared colour catalogue of known variable stars*
- 1. **Ferreira, T.**, Saito, R.K., Minniti, D., et al., 2019, MNRAS, 586, 1220. *The asymptotic evolution of the stellar merger V1309 Sco: a Blue Straggler in the making?*

Non-Referred Publications & Conference Proceedings

- 8. **Ferreira, T.** & Meléndez, J., 2022. Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun. *HIP 102152b: A low-mass planet candidate around an old solar twin*
- 7. **Ferreira T.S.**, Saito, R.K., & Minniti D., 2021, The Astronomer's Telegram #14626. *VVV near-IR observations of the X-ray transient Swift J174038.1-273712*.
- 6. **Ferreira T.S.**, Saito, R.K., & Minniti D., 2021, The Astronomer's Telegram #14625. *VVV near-IR observations of V6585 Sgr progenitor.*
- 5. **Ferreira dos Santos, T.** & Kalbusch Saito, R. 2020, Planets 2020, Ground and Space Observatories 11. *Exoplanetary transits in the Galactic bulge*.
- 4. **Ferreira, T.**, Saito, R.K., Gran, F. et al. 2018, RNAAS, 2, 39. *VVV Survey Orbital Period Confirmation for the Cataclysmic Variable IGR J17014-4306*.
- 3. Masetti, N., **Ferreira, T.S.**, Saito, R.K., et al. 2018, The Astronomer's Telegram #11992. *The possible VVV near-infrared counterpart of IGR J17503-2636*.
- 2. Kammers, R., **Ferreira, T.S.**, Saito, R.K. & Minniti, D. 2018. The Astronomer's Telegram #11365. *The likely progenitor of Nova ASASSN-18ds*.
- 1. **Ferreira, T.S.** & Saito, R.K. 2017, The Astronomer's Telegram #10780. *The likely progenitor of Nova ASASSN-16ra.*

RESEARCH EXPERIENCE

Pre-Thesis Doctoral Research

08/2023 - Present

Department of Astronomy, Yale University

Advisors:

Earl P. Bellinger, Ph.D. (Evolution of Low-Mass Population III stars), and

Malena Rice, Ph.D. (Formation of Brown Dwarfs)

M.Sc. Graduate Research Assistant

08/2021 - 08/2023

Seeking Solar System Analogues

Abstract: We aim to elucidate the uniqueness of the Solar System by characterising exoplanetary systems with Jupiter analogues through high-precision ESO/HARPS radial velocity observations of solar twins. Moreover, we study the possible connection between those planets and the chemical compositions of their host stars.

Advisor: Jorge Luis Meléndez Moreno, Ph.D.

Undergraduate Research Assistant

08/2017 - 08/2021

Time-series analysis of near-IR variabilities with the ESO/VVV & VVV-X surveys

Abstract: We examined relatively small photometric variations in the near-IR Ks-band light curves of the ESO/VISTA Variables in the Via Láctea (VVV) & VVV eXtended (VVV-X) surveys by implementing the Lomb-Scargle method for characteristically sine-like signals of variable stars, and the Box Least-Squares method to detect and model exoplanetary transit candidates on M dwarf stars, primarily selected based on VVV photometric and Gaia DR3 astrometric datasets.

Advisor: Roberto Kalbusch Saito, Ph.D.

OBSERVING EXPERIENCE & ACCEPTED PROPOSALS

*** Observations personally conducted

GHOST / Gemini South, Cerro Pachón (Chile) - DDT - 5.6 hrs

2025A

MIKE/PFS / Clay-Magellan II, Las Campanas Observatory (Chile) – 2 nights

2025A

***WINERED / Clay-Magellan II, Las Campanas Observatory (Chile) - 1 night forestipolary Annaspheric Outflows in the Viginalian Deserve Planes TO 1-963 b Kising the III A 10-833 a MIKE / Clay-Magellan II, Las Campanas Observatory (Chile) - 2 nights WIKE / Clay-Magellan II, Las Campanas Observatory (Chile) - 4 nights Forestipolary the Star Planes Connections with their Stars? Construction from Polluted White Dworfs in Stellar Blowaries ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***HARPS / ESO 3.6-m, La Silla Observatory (Chile) - 6 nights flow rure are annibogues of the Solar System? ***AST 220 - Galaxies and Cosmology, Yale University flow rure are annibogues of the Solar Systems (Chile) flow rure are annibogues of the Solar Systems, La Gulla Systems, L		
MIKE / Clay-Magellan II, Las Campanas Observatory (Chile) - 4 nights	• • • • • • • • • • • • • • • • • • • •	2025A
######################################		
TEACHING APPOINTMENTS ASTR 220 - Galaxies and Cosmology, Yale University Instructor: Robert Zinn ASTR 110 - Planets and Stars, Yale University Instructor: Michael Faison AGA 0502 - Planets and Planetary Systems, IAG/USP Instructor: Jorge Meléndez FELLOWSHIPS, AWARDS & GRANTS GSAS Yale Graduate Fellowship Aug 2023 - Present Boris Garfinkel Prize Fellowship Aug 2023 - Present CAPES MSc. Research Fellowship, IAG/USP, Brazil CAPES MSc. Research Fellowship, IAG/USP, Brazil CAPES MSc. Research Fellowship Aug 2023 - Present Boris Garfinkel Prize Fellowship Aug 2023 - Present Boris Garfinkel Prize Fellowship Aug 2023 - Present CAPES MSc. Research Fellowship, IAG/USP, Brazil CAPES MSc. Research Fellowship, IAG/USP, Brazil COAPER MSc. Research Fellowship, IAG/USP Teaching Improvement Program, IAG/USP CENPQ Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil CONPERENCE PRESENTATIONS 14. exol.aTam 20.2 Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 15. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 16. Exoplanets III - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 17. ALMA Planets/2020 Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 18. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 18. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 19. 4LMA Planets/2020 Workshop, Santiago, Chile Mar 2020		2024B
ASTR 220 - Galaxies and Cosmology, Yale University Instructor: Robert Zinn ASTR 110 - Planets and Stars, Yale University AGA 0502 - Planets and Planetary Systems, IAG/USP Instructor: Michael Faison AGA 0502 - Planets and Planetary Systems, IAG/USP Instructor: Jorge Meléndez FELLOWSHIPS, AWARDS & GRANTS GSAS Yale Graduate Fellowship Boris Garfinkel Prize Fellowship Astronomy Boris Garfinkel Prize Fellowship, IAG/USP, Brazil CAPES M.Sc. Research Fellowship, IAG/USP, Brazil CAPES M.Sc. Research Fellowship, IAG/USP, Brazil CAPES M.Sc. Research Fellowship, IAG/USP Teaching Improvement Program, IAG/USP Transition Improvement Program, IAG/USP Timplementation of the Transit Method Detection of Exoplanets [Poster & Flash Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagam Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysi	• • • • • •	2023A
### ASTR 110 - Planets and Stars, Yale University ### Aug 2024 - Dec 2024 ### Instructor: Michael Faison ### AGA 0502 - Planets and Planetary Systems, IAG/USP ### Aug 2022 - Dec 2022 ### Instructor: Jorge Meléndez #### FELLOWSHIPS, AWARDS & GRANTS GSAS Yale Graduate Fellowship	TEACHING APPOINTMENTS	
Instructor: Michael Faison AGA 9502 - Planets and Planetary Systems, IAG/USP Instructor: Jorge Meléndez		Jan 2025 - Present
### FELLOWSHIPS, AWARDS & GRANTS GSAS Yale Graduate Fellowship in Astronomy Borris Garfinkel Prize Fellowship in Astronomy CAPES M.Sc. Research Fellowship, IAG/USP, Brazil Dec 2022 Teaching Improvement Program, IAG/USP Aug 2022 - Dec 2022 ESO/ALMA Planets2020 Workshop Travel Award Aug 2021 - Dec 2022 ESO/ALMA Planets2020 Workshop, Department of Physics, UFSC, Brazil CONFERENCE PRESENTATIONS 14. cxoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 15. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 16. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 17. Sagan Exoplanet Summer Workshop - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 18. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 18. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 19. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 19. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	·	Aug 2024 - Dec 2024
GSAS Yale Graduate Fellowship Boris Garfinkel Prize Fellowship in Astronomy CAPES M.Sc. Research Fellowship, IAG/USP, Brazil exoLaTam 2022 Travel Award Dec 2022 Teaching Improvement Program, IAG/USP ESO/ALMA Planets2020 Workshop Travel Award CNPQ Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil CNPQ Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil CONFERENCE PRESENTATIONS 14. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020		Aug 2022 - Dec 2022
 Boris Garfinkel Prize Fellowship in Astronomy CAPES M.Sc. Research Fellowship, IAG/USP, Brazil cxoLaTam 2022 Travel Award Dec 2022 Teaching Improvement Program, IAG/USP Aug 2022 - Dec 2022 ESO/ALMA Planets2020 Workshop Travel Award CNPq Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil 2017 - 2021 CONFERENCE PRESENTATIONS exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. ALMA Planets2020 Workshop, Santiago, Chile 	Fellowships, Awards & Grants	
 CAPES M.Sc. Research Fellowship, IAG/USP, Brazil exoLaTam 2022 Travel Award Dec 2022 Teaching Improvement Program, IAG/USP Aug 2022 - Dec 2022 ESO/ALMA Planets2020 Workshop Travel Award Mar 2020 CNPq Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil 2017 - 2021 CONFERENCE PRESENTATIONS 4. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 30° Seminário de Iniciação Científica, UFSC - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. ALMA Planets2020 Workshop, Santiago, Chile 	GSAS Yale Graduate Fellowship	Aug 2023 - Present
 exoLaTam 2022 Travel Award Dec 2022 Teaching Improvement Program, IAG/USP Aug 2022 - Dec 2022 ESO/ALMA Planets2020 Workshop Travel Award Mar 2020 CNPq Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil 2017 - 2021 CONFERENCE PRESENTATIONS 4. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile 	Boris Garfinkel Prize Fellowship in Astronomy	Aug 2023
 Teaching Improvement Program, IAG/USP ESO/ALMA Planets2020 Workshop Travel Award CNPq Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil 2017 - 2021 CONFERENCE PRESENTATIONS 14. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile 	• CAPES M.Sc. Research Fellowship, IAG/USP, Brazil	Aug 2021 - Jul 2023
ESO/ALMA Planets2020 Workshop Travel Award CNPq Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil CONFERENCE PRESENTATIONS 14. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	• exoLaTam 2022 Travel Award	Dec 2022
CONFERENCE PRESENTATIONS 14. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	• Teaching Improvement Program, IAG/USP	Aug 2022 - Dec 2022
CNPq Undergraduate Research Fellowship, Department of Physics, UFSC, Brazil CONFERENCE PRESENTATIONS 14. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	• ESO/ALMA Planets2020 Workshop Travel Award	Mar 2020
14. exoLaTam 22, Santiago, Chile HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020		2017 - 2021
HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Talk]. 13. XLV Annual Meeting of the Brazilian Astronomical Society - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	Conference Presentations	
HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 12. Cool Stars 21 - Virtual HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	<u> </u>	Dec 2022
HIP 102152b: A Low-Mass Planet Candidate Around an Old Solar Twin [Poster & Flash Talk]. 11. 31° Seminário de Iniciação Científica, UFSC - Virtual Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	· · · · · · · · · · · · · · · · · · ·	Oct 2022
Studies of Stellar Astrophysics and Exoplanets in the Central Region of the Milky Way [Talk]. 10. Exoplanets III - Virtual A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020		Jul 2022
A Box-Fitting Implementation for the Transit Method Detection of Exoplanets [Poster]. 9. Sagan Exoplanet Summer Workshop - Virtual Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	, and the second se	Jul 2021
Time-Series Analysis of Near-IR Variabilities on VVV M Dwarf Stars [Poster & Flash Talk]. 8. 30° Seminário de Iniciação Científica, UFSC - Virtual Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020	•	Jul 2021
Transiting Extrasolar Planets Orbiting Red Dwarf Stars Towards the Galactic Bulge [Talk]. 7. ALMA Planets2020 Workshop, Santiago, Chile Mar 2020		Jul 2021
	•	Oct 2020
	7. ALMA Planets2020 Workshop, Santiago, Chile Exoplanetary Transits in the Galactic Bulge [Poster & Flash Talk].	Mar 2020

6. VIII PPGFSC/UFSC Meeting, Florianópolis, Brazil The Asymptotic Evolution of the Blue Straggler V1309 Sco [Poster].	Feb 2020
 29° Seminário de Iniciação Científica, UFSC - Virtual Stellar Variability Towards the Central Region of the Milky Way with the VVV/VVV-X Surveys [Talk]. 	Oct 2019
4. EWASS 2019 - European Astronomical Society Infrared Counterparts of Gaia Alerts (Ivanov+ incl. Ferreira, T.) [Poster].	Jun 2019
 28° Seminário de Iniciação Científica, UFSC - Virtual Stellar Variability Towards the Central Region of the Milky Way with the VVV/VVV-X Surveys [Talk]. 	Oct 2018
 VVV & VVV-X Science Workshop, Florianópolis, Brazil On the Photometric Study of the Cataclysmic Variable IGR J17014-4306 [Poster & Flash Talk]. 	Apr 2018
 VI PPGFSC/UFSC Meeting, Florianópolis, Brazil Stellar Variability Towards the Central Region of the Milky Way with the VVV/VVV-X Surveys [Poster]. 	Feb 2018

WORKSHOPS AND ADVANCED SCHOOLS ATTENDED

• Yale Tinsley Workshop, New Haven, USA	Oct 2024
 New York Area Exoplanets Meeting, New York, USA 	May 2024
• exoLaTam 22, Santiago, Chile	Dec 2022
• ESO The Star-Planet Connection Workshop - Virtual	Oct 2021
XIII CBPF School - Virtual	Aug 2021
• ZTF Summer School on Variable Stars - Virtual	Aug 2021
• Sagan Exoplanet Summer Workshop - Circumstellar Disks and Young Planets, Virtual	Jul 2021

ACADEMIC REFERENCES

Jorge Luis Meléndez Moreno, PhD (MSc Advisor)

jorge.melendez@iag.usp.br

Departamento de Astronomia/IAG, Universidade de São Paulo - Brazil

Roberto Kalbusch Saito, PhD (Undergrad Advisor)

robsaito@gmail.com

Departamento de Física, Universidade Federal de Santa Catarina – Brazil

Dante Minniti, PhD vvvdante@gmail.com

Instituto de Astrofísica, Facultad de Ciencias Exactas, Universidad Andres Bello – Chile Vatican Observatory, I-00120 Vatican City State, Italy

COMPLEMENTARY INFORMATION

Languages

• Portuguese (native), English (fluent), Spanish (basic).

Other

- Programming: LATEX, Python (9+ years); Little experience with C, R, Java, BASH.
- Databases & Softwares: VISTA/ESO Science Archive, TOPCAT, VIZIER, IRAF/DS9, VOSA, MESA+GYRE, etc.

Last update: May 26, 2025