

TELMO MONTEIRO

Incoming Fundação da Ciência e Tecnologia (FCT) Doctoral Fellow at IA/CAUP, Portugal
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EDUCATION

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| Faculty of Sciences of University of Porto (FCUP) <i>Astronomy, Ph.D.</i> | September 2025 - Present <i>Porto, Portugal</i> |
| Faculty of Sciences of University of Porto (FCUP) <i>Astronomy and Astrophysics (branch in Technologies for Space Sciences), M.Sc.</i> | September 2023 - July 2025 <i>Porto, Portugal</i> |
| University of Aveiro <i>Physics, Licenciatura (Portuguese 1st cycle)</i> | September 2019 - June 2023 <i>Aveiro, Portugal</i> |

RESEARCH EXPERIENCE

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| Institute for Astrophysics and Space Sciences (IA/CAUP) - FCUP <i>Extracurricular intern via PEEC</i> | February - July 2024 <i>Porto, Portugal</i> |
| Institute for Astrophysics and Space Sciences (IA/CAUP) <i>Summer Intern</i> | July 2022 <i>Portugal</i> |
| Institute for Astrophysics and Space Sciences (IA/CAUP) <i>Summer Intern</i> | July 2021 <i>Portugal</i> |
| IT - Telecommunications Institute <i>Research Initiation Fellow</i> | February – August 2021 <i>Aveiro, Portugal</i> |

GRANTS

Total: 88,500€
Fundação da Ciência e Tecnologia (FCT) Ph.D. Studentship (August 2025)
Research Initiation Grant at Telecommunications Institute (January 2021)

PUBLICATIONS

- Gomes da Silva J., Delgado-Mena E., Santos N. C., **Monteiro T.**, Larue P., Suárez Mascareño A., Delfosse X., et al. “Blind search for activity-sensitive lines in the near-infrared using HARPS and NIRPS observations of Proxima and Gl 581”, *Astronomy & Astrophysics Journal*, Volume 700, A177. doi:10.1051/0004-6361/202555013 (2025)
- Gomes da Silva J., Bensabat A., **Monteiro T.**, Santos N. C. “Optimising the H α index for the identification of activity signals in FGK stars”, *Astronomy & Astrophysics Journal*, Volume 668, A174. doi:10.1051/0004-6361/202244595 (2022)
- Salgueiro G., **Monteiro T.**, Costa D., Teixeira, M., Pinto A. N., Santos J. P. “High quality random number generator from constrained devices using post processing methods applied to a high level network”, *Communications and Quantum Computing Workshop (WQUANTUM) Proceedings*, p. 19-24. (2021)

TECHNICAL STRENGTHS

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| Programming Languages | Python, MATLAB, SQLite, R, LaTeX |
| Languages | Portuguese (Native), English (C1 level certificate by Universidade de Aveiro) |

MEMBERSHIP

PoET Consortium Science Team Member (2025 - Present)
NIRPS Consortium Science Team Member (2024 - Present)
IA Planetary Systems Team Member (2024 - Present)

ASSOCIATIVISM AND VOLUNTEERING

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| Higher Education Accreditation and Evaluation Agency (A3ES) <i>Evaluating students grantee</i> | March 2025 – Present <i>Portugal</i> |
| Exoplanets 6 <i>Local Organizing Committee Member</i> | December 2024 - Present <i>Porto, Portugal</i> |
| Physis - Portuguese Association of Physics Students <i>Coordinator of the Career Prospects Departament</i> | November 2024 – Present <i>Portugal</i> |
| University of Porto <i>Students representative of the M.Sc. in A&A Course Monitoring Committee</i> | November 2023 – Today <i>Porto, Portugal</i> |
| Physics Department - Universidade de Aveiro <i>Mentor in the PeerTeaching programme in Classical Mechanics and MATLAB</i> | September 2022 – July 2023 <i>Aveiro, Portugal</i> |
| Physics Students National Meeting 2023 Organizing Committee (CO-ENEF) <i>General Coordinator</i> | July 2022 – March 2023 <i>Aveiro, Portugal</i> |
| EPS Young Minds Aveiro <i>Pedagogic Department Member</i> | October 2020 – July 2022 <i>Aveiro, Portugal</i> |
| Physis - Portuguese Association of Physics Students <i>Pedagogic Departament Member</i> | February 2021 – November 2021 <i>Portugal</i> |
| University of Aveiro <i>Students representative in the Licenciatura in Physics Course Committee</i> | October 2020 – August 2022 <i>Aveiro, Portugal</i> |

CONFERENCES, WORKSHOPS AND MEETINGS

Contributed Talks:

“Analysis of NIR activity indices for exoplanet detection and characterization” - Exploring Star-Planet-Disk Connections Conference (October 2025, Tartu, Estonia)

“Analysis of NIR activity indices for exoplanet detection and characterization” - University of Porto’s Young Research Meeting (May 2025, Porto, Portugal)

Posters:

“Analysis of NIR activity indices for exoplanet detection and characterization” - XXXV Astronomy and Astrophysics National Meeting (September 2025, Lisbon, Portugal)

“Analysis of NIR activity indices for exoplanet detection and characterization” - Sagan Summer Workshop 2025 (July 2025, Pasadena, CA, USA)

“Stellar Activity in Stars with Exoplanets: Presenting the SAITAMA pipeline” - XXXIV Astronomy and Astrophysics National Meeting (September 2024, Guimarães, Portugal)

“Analysis of NIR activity indices for exoplanet detection and characterization” - The 6th Workshop on Extremely Precise Radial Velocities (July 2025, Porto, Portugal)

Attendee:

NIRPS Science Meeting (May 2025, Online)

XXVII Physics Students National Meeting (February 2025, Porto, Portugal)

NIRPS Science Meeting (November 2024, Grenoble, France)

PoET Workshop #2 (October 2024, Porto, Portugal)

XXXIII Astronomy and Astrophysics National Meeting (September 2023, Coimbra, Portugal)

XXIII Physics Students National Meeting (February 2021, Online)

XXII Physics Students National Meeting (February 2020, Coimbra, Portugal)