

Ingrid D. Pelisoli

Department of Physics,
University of Warwick,
Coventry CV4 7AL
UK

Contact:

ingrid.pelisoli@warwick.ac.uk
<http://www.warwick.ac.uk/fac/sci/physics/research/astro/people/ingridpelisoli/>

Academic Education

08/2014 – 06/2018 Ph.D. Sciences, with distinction, Univ. Fed. do Rio Grande do Sul (Brazil)
03/2013 – 08/2014 M. Sc. Astrophysics, Univ. Fed. do Rio Grande do Sul (Brazil)
02/2009 – 01/2013 B.S. Physics, *Summa cum Laude*, Univ. Fed. do Rio Grande do Sul (Brazil)

Professional Experience

10/2023 – present Assistant Professor, University of Warwick (UK)
11/2020 – 09/2023 Research Fellow, University of Warwick (UK)
07/2018 – 11/2020 Postdoctoral Research Fellow, Universität Potsdam (Germany)
04/2017 – 09/2017 Visiting Academic, University of Warwick (UK)
03/2015 – 07/2015 Substitute Assistant Professor, Univ. Fed. do Rio Grande do Sul (Brazil)

Leadership roles

06/2019 – present Co-lead of the 4MOST subsurvey Hot Subdwarf Stars.
11/2018 – present Co-lead of the TESS [TASC](#) Working Group 8.4, Evolved Compact Binaries.
07/2022 – 09/2023 Head of [4MOST](#) IWG6, Data Curation and Data Release.
06/2019 – 07/2022 Quality Control Scientist and head of the Quality Control Team for [4MOST](#).

Publications

101 publications, 96 of which are refereed, of those **17 as first author** (3 featured in press releases).

Total citations: 3701; **h-index: 29**. Full publication list and other metrics: <https://bit.ly/30W4YXW>

Selected recent publications:

1. **Pelisoli, I.**, Marsh, T.R., Buckley, D. A. H, and 19 colleagues (2023), [A 5.3-min-period pulsing white dwarf in a binary detected from radio to X-rays](#), Nature Astronomy, 7, 931. (14 citations)
Press release: https://warwick.ac.uk/newsandevents/pressreleases/high-speed_propeller_star
2. **Pelisoli, I.**, Marsh, T.R., Dhillon, V.S., and 9 colleagues (2022), [Found: a rapidly spinning white dwarf in LAMOST J024048.51+195226.9](#), MNRAS Letters, 509, L31. (21 citations)
Press release: https://warwick.ac.uk/newsandevents/pressreleases/high-speed_propeller_star
3. **Pelisoli, I.**, Neunteufel, P., Geier, S., and 8 colleagues (2021), [A hot subdwarf-white dwarf super-Chandrasekhar candidate supernova Ia progenitor](#), Nature Astronomy, 5, 1052. (37 citations)
Press release: https://warwick.ac.uk/newsandevents/pressreleases/teardrop_star_reveals

Organisation of Scientific Meetings (selected)

2025 [Conference for Undergraduate Women and Non-binary Physicists](#) (Local Organising Committee)
2024 [Celebrating 21 years of Astronomy at Warwick: the legacy of Prof. Tom Marsh](#) (Lead Organiser)
2024 [National Astronomy Meeting 2024](#) (Scientific Organising Committee)
2024 [23rd European Workshop on White Dwarfs](#) (Scientific Organising Committee)
2022 [10th Meeting on Hot Subdwarfs and Related Objects](#) (Scientific Organising Committee)
2021 [O-MESS](#): Online Meetings on Evolved Stars and Systems (Organising Committee)

Invited Presentations (selected)

05/2025 *Meeting Summary*, 12th Meeting on Hot Subdwarfs and Related Objects, Little Switzerland (USA)

09/2024 *Fantastic binaries and how to find them*, XLVII Annual Meeting of the Brazilian Astronomical Society, Aguas de Lindoia (Brazil)

06/2024 *Pulsars and propellers: X-ray and radio emission from the most mysterious white dwarf binaries*, The X-ray mysteries of neutron stars and white dwarfs, Madrid (Spain)

03/2024 *The Astrophysics of White Dwarfs*, Current challenges in the physics of white dwarf stars, Santa Fe, (USA)

11/2023 *Binarity is all around us: searching and characterising the late stages of binary evolution*, XVII Latin American Regional IAU Meeting, Montevideo (Uruguay)

08/2023 *White Dwarf Stars*, 2023 STFC Summer School (Hull, UK)

06/2022 *Standard and Alternative Pathways for Hot Subdwarf Formation*, 10th Meeting on Hot Subdwarfs and Related Objects, Liège (Belgium)

Funding & Awards (selected)

06/2023 Royal Society University Research Fellowship

03/2023 Ernest Rutherford Fellowship (declined)

03/2023 Marie Curie Fellowship (declined)

11/2022 Warwick Prize Fellowship

01/2022 Physics Postdoc Prize (Department of Physics, University of Warwick)

09/2019 Best Thesis Award, Brazilian Astronomical Society (SAB)

09/2019 Honourable mention in the CAPES Best Thesis Award, Brazilian Ministry of Education

Telescope time

Total observing time as Principal Investigator:

- 38 nights at 2-m telescopes (OPD)
- 35 nights at 4-m telescopes (SOAR, NTT)
- 16 nights at 8-m telescopes (VLT, Gemini)
- 12 orbits with HST.

Over 200 additional nights obtained as co-I.

Current supervised and co-supervised students

01/2025 – present PhD student Gabriela da Rosa (University of Warwick)
Volume-complete sample of Extremely-low-mass white dwarf stars

09/2024 – present PhD student Taf Zivave (University of Warwick); co-supervised with Dr James McCormac
White dwarf stars in NGTS and TESS

Current teaching

2023/Spring – present Astrophysics Laboratory II and Skills (PX283, 8 hours/week)

Outreach (selected)

11/2022 – present member of the volunteer group running planetarium events at Warwick

02/2017 – present astropontos.org founder, administrator, and regular author

2024 – present Invited talks for four Astronomical Societies (Newton, Flamsteed, Cardiff, Stratford-upon-Avon, Coventry and Warwickshire, Loughton, Broomsgroove, Mexborough & Swinton, Crawley, Knowle)

2019, 2022 skypeascientist.com volunteer

12/2015 –12/2017 astrobites.org regular author

Referee

Monthly Notices of the Royal Astronomical Society, Astrophysical Journal, Astronomy & Astrophysics, Nature Astronomy, Publications of the Astronomical Society of the Pacific, Astronomische Nachrichten, SCIENCE CHINA: Physics, Mechanics & Astronomy