

# Ingrid D. Pelisoli

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<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](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](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](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** [23<sup>rd</sup> European Workshop on White Dwarfs](#) (Scientific Organising Committee)

**2022** [10<sup>th</sup> 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](https://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](https://skypeascientist.com) volunteer
- 12/2015 –12/2017** [astroBites.org](https://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