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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

11/2020 – present 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

07/2022 – present Head of [4MOST](#) IWG6, Data Curation and Data Release.
06/2019 – present Co-lead of the 4MOST subsurvey 3.7, Hot Subdwarf Stars.
11/2018 – present Co-lead of the TESS [TASC](#) Working Group 8.4, Evolved Compact Binaries.
06/2019 – 07/2022 Quality Control Scientist and head of the Quality Control Team for [4MOST](#).

Publications

68 publications, 60 of which are refereed, of those **13 as first author** (3 featured in press releases).

Total citations: 2145; **h-index: 21**. 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. (3 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. (9 citation)

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 progenitor](#), *Nature Astronomy*, 5, 1052. (32 citations)

Press release: https://warwick.ac.uk/newsandevents/pressreleases/teardrop_star_reveals

Organisation of Scientific Meetings

2022 [10th Meeting on Hot Subdwarfs and Related Objects](#) (Scientific Organising Committee)

2022 [Know Your Neighbour: White Dwarf Researchers in the UK](#) (NAM 2022, Organising Committee)

2021 [O-MESS](#): Online Meetings on Evolved Stars and Systems (Organising Committee)

2019 [Stars on the Run II](#) (Local Organising Committee)

Selected Invited Presentations

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

04/2023 *Observational clues for the origin of magnetic fields in white dwarfs*, University of Hertfordshire (Hatfield, UK)

11/2022 *Towards a volume-limited all-sky sample of extremely low-mass white dwarfs*, White Dwarfs from Physics to Astrophysics Conference (Santa Barbara, USA)

- 11/2022** *The surprising outcomes of binary evolution*, Armagh Observatory and Planetarium (Armagh, UK)
- 06/2022** *Standard and Alternative Pathways for Hot Subdwarf Formation*, 10th Meeting on Hot Subdwarfs and Related Objects, Liège (Belgium)
- 03/2019** *Compact binaries in the TESS era, Astroplate III – Large surveys with small telescopes: Past, Present, and Future* (Bamberg, Germany)

Selected Funding & Awards

- 03/2023** Ernest Rutherford Fellowship
- 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)
- 33 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

- 07/2023 – present** Summer Student Saurav Ruparelia (University of Warwick)
Understanding the origin of stars that should not exist
- 02/2023 – present** PhD student James Munday (University of Warwick)
The population of double white dwarf binaries
- 07/2021 – present** PhD student Larissa Antunes Amaral (Universidad de Valparaíso)
Pulsations in hydrogen-atmosphere white dwarfs
- 04/2019 – present** PhD student Rick Culpan (Universität Potsdam)
Blue Horizontal Branch Stars in Gaia

Teaching

- 2023/Spring** Astrophysics Laboratory II and Skills (PX283, 8 hours/week)
- 2019/Summer** Research Workshop on Evolved Stars (Universität Potsdam, 12 hours)
- 2015/1** Astronomy Education (Univ. Fed. do Rio Grande do Sul, 4 hours/week)
- 2015/1** Fundamental Astronomy (Univ. Fed. do Rio Grande do Sul, 4 hours/week)
- 2015/1** Exploring the Universe: from quarks to quasars (Univ. Fed. do Rio Grande do Sul, 12 hours)

Outreach

- 11/2022 – present** member of the volunteer group running planetarium events at Warwick
- 02/2017 – present** astropontos.org founder, administrator, and regular author
- 05/2023** [Pint of Science](http://PintofScience) Coventry event manager
- 02/2022** Invited talk for the Astronomy Society at Warwick: *The Life and Death of Stars*
- 2019, 2022** skypeascientist.com volunteer
- 01/2019** Invited talk for the Berlin Astronomy & Astrophotography Meetup: *The Life and Death of Stars*
- 12/2015 –12/2017** astrobites.org regular author

Referee

Monthly Notices of the Royal Astronomical Society, Astrophysical Journal, Astronomische Nachrichten, Nature Astronomy