

Dr. Nina Dresing

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Personal Details

Nationality: German
 Date & Place of Birth: 22.06.1983; Bremerhaven, Germany
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University Education and Degrees Awarded

Oct 2023 Title of Docent in Space Physics, University of Turku (UTU), Finland
 Feb 2009 - July 2014 PhD in heliospheric physics (summa cum laude), University of Kiel (CAU), Germany
 Jan 2008 - Feb 2009 Diploma thesis (distinction), CAU, Germany
 Oct 2003 - Feb 2009 Undergraduate physics course (equivalent to 5-year MPhys), CAU, Germany

Research Appointments

Sep 2024 - current **University Research Fellow (leave of absence), UTU, Finland, full-time, permanent**
 Sep 2022 - Aug 2027 **Academy of Finland Research Fellow, UTU, Finland**
 Jan 2021 - Aug 2022 Senior Research Fellow, UTU, Finland
 May 2016 - Dec 2020 Postdoctoral Researcher IEAP, CAU, Germany (Jul - Aug 2020: part-time)
 Jul 2020 - Aug 2020 Consultant for NASA's 2020 Senior Review, Cornell Technical Services, LLC., USA, self-employed part-time
 Mar 2016 - Apr 2016 Grant Researcher at SRG, University of Alcalá, Spain; funded through *Giner de los Rios* program
 Aug 2014 - Feb 2016 Postdoctoral Researcher, IEAP, CAU, Germany
 Feb 2009 - Jul 2014 Undergraduate Researcher, IEAP, CAU, Germany

Current Projects

- *Determination of full pitch-angle distributions of solar energetic particle events using artificial intelligence (AIPAD)*, 2025-2029, Research Council of Finland project, role: PI
- *Energetic Solar Eruptions: Data and Analysis Tools (SOLER)*, 2024-2026, EU Horizon Europe project led by UTU, Finland, role: Work package leader.
- *Understanding the role of shocks for solar energetic electron events with the new-generation heliospheric fleet (SHOCKSEE)*, 2022-2027, Academy of Finland Research Fellow grant, role: PI

Honors and Positions of Responsibility

- Chair of the Astronomy and Space Physics Division of the Finnish Physical Society (since 2024)
- Member of NASA' Senior Review panel 2020 and review panels 2015, 2017, 2019, 2021
- Instrument Co-I of EPD onboard Solar Orbiter, and of SIXS onboard BepiColombo (since 2021)
- Selected as Guest Investigator in the ESA/Jaxa BepiColombo mission (2019-2021)
- Invited member of the ESA Heliophysics Archives USer (HAUS) group (2017-2024)

Research Output

- 96 publications in international peer-reviewed journals (14 as a first author), including high-impact papers
- H-index of 26 (NASA ADS as of Sep 2025)
- 24 invited presentations at international conferences, workshops, and seminars, including plenary and high-light talks