


Dr. Nina Dresing

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Date of CV: January 17, 2023

Personal Details

Nationality: German
 Date & Place of Birth: 22.06.1983; Bremerhaven, Germany
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Areas of Specialization and Interest

Heliospheric physics and the generation of solar energetic particle events; acceleration and transport mechanisms in space plasma environments; analysis of multi-spacecraft observations.

University Education and Degrees Awarded

Feb 2009 - July 2014 PhD in heliospheric physics (summa cum laude), University of Kiel, Germany
 Jan 2008 - Feb 2009 Diploma thesis (distinction), University of Kiel, Germany
 Oct 2003 - Feb 2009 Undergraduate physics course (equivalent to 5-year MPhys), Univ. of Kiel, Germany

Research Appointments

Sep 2022 - Aug 2027 **Academy of Finland Research Fellow, University of Turku, Finland**
 Jan 2021 - Aug 2022 Senior Research Fellow, University of Turku, Finland
 May 2016 - Dec 2020 Postdoctoral Researcher IEAP, University of Kiel, 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 Guest Researcher at SRG, University of Alcalá, Spain; funded through *Giner de los Rios* program
 Aug 2014 - Feb 2016 Postdoctoral Researcher, IEAP, University of Kiel, Germany
 Feb 2009 - Jul 2014 Undergraduate Researcher, IEAP, University of Kiel, Germany

Projects

- *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
- *Understanding Solar Energetic Particle Physics with Next-Generation Multi-Spacecraft Observations*, 2021-2022, TCSMT starting grant, University of Turku, Finland, role: PI
- *Solar energetic particle analysis platform for the inner heliosphere (SERPENTINE)*, 2021-2024, EU H2020 project led by University of Turku, Finland, role: Work package leader
- *The sources of widespread solar energetic particle events - A comprehensive combined modeling and observational approach*, 2019-2021, Deutsche Forschungsgemeinschaft (DFG), role: PI (until end of 2020). The grant funds a PhD position at University of Kiel, Germany
- *Joint South Africa-Germany Space Weather Studies During Solar Cycle 25 and Beyond*, Alexander von Humboldt Group Linkage Program, 2019-2021, role: PI.

Honors and Positions of Responsibility

- 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
- Selected as Guest Investigator in the ESA/Jaxa BepiColombo mission (2019-2021)
- Invited member of the ESA Heliophysics Archives USer (HAUS) group (since 2017)