

Dr. Nina Gieseler (née Dresing*)

*Academic name: Nina Dresing

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Date of CV: February 11, 2020

Personal Details

Nationality: German
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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

May 2016 - present Postdoctoral Researcher, IEAP, University of Kiel, Germany
 Mar 2016 - Apr 2016 Guest Researcher 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

- *The sources of widespread solar energetic particle events - A comprehensive combined modeling and observational approach*, 2019-2021, Deutsche Forschungsgemeinschaft (DFG), role: PI. 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.
- *Start-up grant for female postdocs*, equal opportunity program, University of Kiel, Germany, 2019, role: PI.

Teaching and Leadership Experience

- Delivering a master's lecture course 'The Sun and SEPs' (a shared course, 10 hours)
- Co-supervising one PhD and one master's student (current)
- Completed supervision and co-supervision of 5 bachelor's theses (since 2009)
- Led lab courses and tutorial groups at undergraduate level (2005-2009)

Honors and Positions of Responsibility

- Review Editor of *Frontiers in Astronomy and Space Sciences* (since 2020)
- Selected as Guest Investigator in the ESA/Jaxa BepiColombo mission (since 2019)
- Invited member of the ESA Heliophysics Archives USer (HAUS) group (since 2017)
- Invited member of NASA Review Panels 2015, 2017, and 2019 to evaluate project funding applications
- More than 10 invited talks at national and international conferences