

# Asst. Prof. Paul Zieger

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## EDUCATION

2011 Doctor of Sciences (Dr. sc. ETH Zürich)  
Thesis: *Effects of relative humidity on aerosol light scattering* at ETH Zürich, Switzerland  
Supervisors: Prof. Thomas Peter, Dr. Ernest Weingartner, and Prof. Urs Baltensperger

2007–2011 PhD student at ETH Zürich and at the Paul Scherrer Institute, Switzerland

2007 Diploma in Physics (Grade: 1.0, passed with distinction), Freie Universität Berlin, Germany  
Thesis: *Development of an airborne spectrometer system for the remote sensing of aerosol optical properties*, Supervisors: Prof. Ludger Wöste and Prof. Jürgen Fischer

2002–2003 Universidad de Granada, Spain, Study of Physics

2000–2007 Freie Universität Berlin, Germany, Study of Physics

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## AWARDS

Fellow of the International Arctic Science Committee (IASC, 2016-2018), Atmospheric Chemistry and Physics ACP Award (2011, Swiss Academy of Sciences), Poster prize at ERCA winter school, Grenoble, France (2006)

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## EMPLOYMENT

Since Feb. 17 Assistant Professor (biträdande lektor) at Stockholm University (SU), Department of Environmental Science and Analytical Chemistry, Stockholm, Sweden

Jan. 15–Jan. 17 Researcher at Stockholm University, Department of Environmental Science and Analytical Chemistry, Stockholm, Sweden

May 13–Jan. 15 Postdoctoral researcher at Stockholm University, Department of Applied Environmental Science, Stockholm, Sweden (financed by a fellowship of the Swiss National Science Foundation)

May 11–Apr. 13 Postdoctoral researcher at the Paul Scherrer Institute (PSI), Switzerland, working on the aerosol\_cci project of the European Space Agencies Climate Change Initiative (CCI)

May 07–Apr. 11 Ph.D. student at the Laboratory of Atmospheric Chemistry, PSI, Villigen, Switzerland (part of EC-project GEOmon)

Aug. 04–Mar. 07 Student research assistant, Freie Universität Berlin, Institute for Space Sciences, Berlin, Germany

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## GRANTS

- 2018 "Biogenic particles and their role in the formation of Arctic clouds" (Vetenskapsrådet research grant, 3.2 Mio SEK, PI)
- 2018 "Characterising properties of Climate Relevant Organic and Inorganic Sea-Spray-aerosols, Sources and Air-sea-exchange causing their Net-emission (CROISSANT)" (Vetenskapsrådet research grant, 3.4 Mio SEK, co-PI, PI Douglas Nilsson)
- 2017 "NonTarget Atmospheric Observatories (NTAO) for Organic Contaminant Discovery" (FORMAS research grant, 3 Mio SEK, co-PI, PI Jonathan Martin)
- 2016 Research grant from the U.S Department of Energy, ARM/ASR program (608k USD, co-PI, PI Betsy Andrews, CIRES/NOAA)
- 2013 Advanced PostDoc.Mobility fellowship from the Swiss National Science foundation (75k CHF)
- 2013, 2015, 2018 & 2019 Research funding granted from the Bert Bolin Centre for Climate Research, Sweden (22k EUR)
- 2013 TransNational Access (TNA) grant from the ACTRIS consortium to perform measurement campaign at Hyytiälä, Finland (1.2k EUR)
- 2012 Fellowships for Prospective Researchers from the Swiss National Science foundation (10k CHF)
- 2008 Grant from the European Centre for Arctic Environmental Research (ARCFAC) to perform a 3-month field campaign in Ny-Ålesund, Spitsbergen (10k EUR)
- 2007 Scholarship of the German Academic Exchange Service (DAAD) to visit the European Research Course on Atmospheres (ERCA) in Grenoble, France (2.5k EUR)
- 2002 ERASMUS scholarship for the one-year study at the University of Granada, Spain
- 2009–2016 Various travel grants for conferences and research meetings
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## TEACHING AND SUPERVISION

- University teaching of "Aerosol Physics" (2014-2018, SU, 24 hours, course organizer), "Atmospheric remote sensing" (2015-2018, SU, 8 hours), "Aerosol, Clouds and Climate" (2014, SU, 6 hours), Teaching assistant for the Aerosol I and II lectures (ETH Zürich, 10 hours)
- Coordinator (and teacher) of NeGI course series "Applied methodologies for improved exchange between atmospheric e-science Infrastructures at high latitudes" (2017 – 2019, funded by Nordforsk)
- Linn Karlsson (PhD student, SU, main supervisor, 2017-today), Emelie Graham (PhD student, SU, co-supervisor, 2017-today), Maria Burgos (PostDoc, SU, 2017-today), Ludvig Lindström (bachelor student, SU, 15 HE credits, 2017), Vera Franke (master student, SU, 45 HE credits, 2016), Therese Gadd (master student, SU, 30 HE credits, 2015), Christine Ketterer (master student, PSI, 2011), Ines Engel (trainee, PSI, 2010), Julika Zinke (master student, 2018), Georgia Gamble (Erasmus master student, 2018)

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## SCIENTIFIC ACTIVITIES

- Member of the Research Infrastructure Coordination Committee (RICC) of the Svalbard Integrated Observing System (SIOS) (2019-today)
- Member of Scientific Advisory Committee of IGAC project "the Cryosphere and Atmospheric Chemistry" (CATCH, 2018-today)
- Elected board member of the German Association for Aerosol Research (GAeF, 2018-today)
- Member of scientific steering committee of Ny-Ålesund Atmosphere Research Flagship Programme (2018-today)
- Co-editor for Atmospheric Chemistry and Physics (2018-today)
- Reviewer for Atmospheric Chemistry and Physics, Atmospheric Environment, Geophysical Review Letters, Aerosol and Air Quality Research, and Atmospheric Research, Springer books
- Grant reviewer for Swiss National Science Foundation, University Excellence of Lille (France), French Polar Institute (France)
- Member of the Atmospheric Sciences Review Panel at the Academy of Finland (2019)
- Invited talks at American Geophysical Union (AGU) General Assembly, December 2013 and December 2015, San Francisco, USA; Invited talk at 9th Swiss Geoscience Meeting, November 2011 Zürich, Switzerland; Invited seminar talk at Alfred Wegener Institute for Marine and Polar Research, 2011; Invited seminar talk at the University of Hertfordshire, April 2016; Invited talk at Korea Polar Institute, June 2017; Invited talk at the 'Leipziger Meteorologischen Kolloquium', TROPOS, February 2019.
- Organisation and participation of several international field campaigns (e.g. AgriSAR 2006, CLACE 2008 & 2010, CINDI 2009, PEGASOS 2013, CAESAR 2014, NYA cloud campaign 2016-, EMB184 2018, Arctic Ocean 2018 on I/B *Oden* as PI of project "Aerosol-cloud interactions in the High Arctic")
- Work package 2 co-leader of KAW project "Arctic Climate Across Scales" (ACAS) (2017-today)
- Member of the ACTRIS-2 TNA (Trans-National Access) selection panel (2016-today)
- Mentor in the mentor ship program of the Bolin Centre for Climate Research (2017-2018)
- Publications: 31 papers in peer-reviewed journals (8 first, 8 second, and 2 last authorship, full list and papers can be found here: [https://www.researchgate.net/profile/Paul\\_Zieger](https://www.researchgate.net/profile/Paul_Zieger))

Stockholm, March 12, 2019