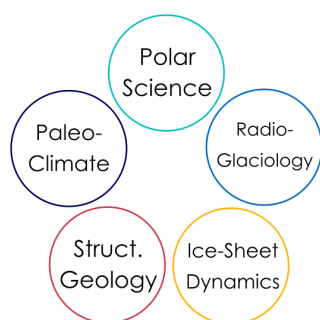


Date of Birth: April 1st, 1989

Place of Birth: Belzig (D)

Living in: Bremen (D)

Research Interests



Skills

- ⇒ Ice penetrating radar data processing & analysis
- ⇒ Analysis of bed properties and internal stratigraphy from radar data
- ⇒ Processing and analysis of (physical) ice core properties
- ⇒ Spatial analysis of GIS and remote sensing data products

Python, QGIS



Bash, ArcGIS, LaTeX



Matlab, GMT, Git, Slurm



HTML, CSS, SQL, Earth Engine



Geology/Seismic: Move, Petrel, Paradigm-ECHOS

Graphic: Inkscape, GIMP

Other: MS Office

CV

Steven Franke | Geoscientist

Dep. of Geosciences | Glaciology
Alfred Wegener Institute, Helmholtz Centre
for Polar and Marine Research
Am Alten Hafen 26
27568 Bremerhaven

✉ steven.franke@awi.de | stvnfrnk@posteo.de

ORCID: 0000-0001-8462-4379

Scopus Author-ID: 57215903556

Researcher ID: ABB-6333-2020

Researchgate Profile

Scientific Career

2018/04 - present



Doctoral Researcher

Alfred-Wegener-Institute (AWI) | Division of Geosciences - [Dep. of Glaciology](#)

Project: Reconstruction of past ice flow patterns of polar ice sheets from 3D radar stratigraphy (Project PI: Daniela Jansen, AWI)

2015/08 - 2017/07



Wintering on the [Antarctic Research Station Neumayer III](#)

Alfred-Wegener-Institute (AWI) | Wintering period: 2015/12 - 2017/02

Scientific operation of the Geophysical Observatory

- data acquisition, management of seismological & geomagnetic data
- processing of seismological data and earthquake localization
- geomagnetic & sea ice measurements

Education

2018/04 - present



PhD in Geosciences

[Universität Bremen \(D\)](#)



Thesis: Reconstruction of past ice flow patterns of polar ice sheets from 3D radar stratigraphy

Referees: Olaf Eisen (AWI, Universität Bremen)

Christoph Mayer (Bayerische Akademie der Wissenschaften)

Supervisor: Daniela Jansen (AWI)

2013/09 - 2015/08



MSc in Geology & Geosciences

[Københavns Universitet \(DK\)](#)



Thesis: Local Seismic Travel Time Tomography on Geothermal Reservoirs at Reykjanes, SW Iceland

Supervisor: Philippe Jousset (GFZ Potsdam)

2009/10 - 2013/08



BSc in Geological Sciences

[Freie Universität Berlin \(D\)](#)



Thesis: Overview and characterization of a seismic data set of a three-stage hydraulic fracturing treatment in a tight shale gas reservoir

Supervisor: Nicolas Hummel (Freie Universität Berlin)

Language

German	native
English	fluent
Spanish	advanced

Other Skills

Driving License (B)
Chainsaw License
Firefighter Training
Open Diver (PADI)

Memberships

YESS Community
Young Earth System Scientists

APECS Community
Association for Polar Early
Career Scientists

IGS Membership
International Glaciological Soc.

EGU Membership
European Geoscience Union

AGU Membership
American Geophysical Union

POLMAR
Helmholtz Graduate School for
Polar and Marine Research

DAV Sektion Bremen
Deutscher Alpen Verein

References

Prof. Dr. Olaf Eisen
Alfred Wegener Institut
olaf.eisen@awi.de

Dr. Daniela Jansen
Alfred Wegener Institut
daniela.jansen@awi.de

Dr. Philippe Jousset
GFZ Potsdam
philippe.jousset@gfz-potsdam.de

Research Grants & Scholarships

Personal Funding

2021-2022 xxxx **xxxx**

Travel Grants

2021/06	POLMAR Field Work Grant (Ötztal Alps, Austria)	750€
2020/05	POLMAR Travel Grant (EGU Vienna 2020)	950€
2019/08	POLMAR Travel Grant (Karthaus Summer School 2020)	300€

Attended Conferences

(T) = Talk, (P) = Poster, (O) = Online Presentation

2020/12	AGU Fall Meeting 2020	(O)
2020/10	ESA EO4Polar European Polar Science Week 2020	(O)
2020/10	NEGIS Symposium (EGRIP Online Seminars)	(O)
2020/05	6 th Annual APECS International Online Conference 2020	(O)
2020/05	EGU General Assembly 2020	(O)
2019/11	NEGIS Symposium (EGRIP SC Meeting) 2019 (DK)	(T)
2019/07	IGS Symposium: Five Decades of Radioglaciology (USA)*	(P)
2019/07	AWI PhD Days (Potsdam, D)	(P)
2018/11	NEGIS Symposium (EGRIP SC Meeting) 2018 (DK)	(T)

(*) presented by Daniela Jansen (AWI)

Academic Honors

2020 3rd Prize for Best Arctic Presentation
6th Annual APECS International Online Conference 2020

Expeditions & Field Work

2019	Greenland Ice Sheet (EGRIP Drill Site) Ice sample processing and physical properties analysis
2018/2019	Antarctica, Dronning Maud Land Airborne radar survey with the AWI UWB radar system
2015-17	Antarctica, Neumayer III Station Wintering from 2015/12 - 2017/02 and several land based expeditions
2014/2015	Iceland, Reykjanes Peninsula Installation of an Ocean-Bottom-Seismometer (OBS) network (2014) and land based seismic arrays (2015).
2013	South-Atlantic Ocean (RV Polarstern Expedition ANT-XIX-5) Ocean-Bottom-Seismometer and Aeromagnetic Surveys

Outreach

2017 - Newspaper Article
Berliner Zeitung: Polar-
forschung - Ein Berliner im
ewigen Eis

2017 - Interact. Exhibition
Science on the Road: Erlebe
die Antarktis in deiner Stadt

2015-17 - Helmholtz-Bolg
Antarktis Blog - AtkaXpress

Voluntary Service

2014-2017
Norderoog Workcamp
North Sea Coast - World
National Heritage
Wattenmeer

Coastal management and pro-
tection of endangered species

2008-2009 Voluntary
Year of Ecological Service
HZB Berlin -
Department of Solar Energy
Development and research
on thin film solar cells

2003-2009
Honorary Activities in the
German Life Saving
Association

Student Research Assistant Positions

2014/15
GFZ - German Research
Centre for Geosciences
Section 4.8 - Geoenergy

2012/13
Freie Universität Berlin
Department of Geophysics

2010/12
Engineering Office for
Renewable Energies
Q-save GmbH

Summer Schools, Workshops & Training

- 2018-2021** POLMAR Training Courses
- Understanding peer-review
 - How to publish in peer-review journals
 - How to review a scientific paper
 - How to acquire third party funding
- 2019/03** 5th EU-PolarNet General Assembly, Lisboa (PRT)
Rapporteur at the meeting and preparation of the minutes
- 2018/08** Karthaus Summer School
Summer School on Ice Sheets and Glaciers in the Climate System
(organized by IMAU - University of Utrecht)
- 2018/06** Field Techniques in Glaciology
Application and data analysis of field methods used in glaciology
(organized by University of Bremen)

Service to the Scientific Community

- 2019** Co-Organization of a Polar Expedition
I helped with the preparations for the fieldwork at the EGRIP drill Site
(Greenland). I have taken care of the preventive medical tests of the staff and
external researchers as well as the logistics for polar clothing.
- 2019** Conference Organization: YOUMARES 10 (Hamburg, D)
Orga-Team Member of the Youmares 10 Conference

Schooling

- 2001-2008** Sophie-Scholl-Oberschule Berlin-Schöneberg
European Secondary School (German/Spanish)
(degree: Abitur - German university entrance qualification)
- 2008/2009** Gabriela-Mistral and Hausburg Schule Berlin-Friedrichshain
European Primary School (German/Spanish)
school attendance in Madrid 1997/1998
school attendance in Barcelona 1993/1994