

# Dr. Thomas A. Ronge

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**Address:** 1000 Discovery Drive, 77845, College Station, United States (Work)

## ● WORK EXPERIENCE

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2022 – CURRENT College Station, United States

**EXPEDITION PROJECT MANAGER/STAFF SCIENTIST** INTERNATIONAL OCEAN DISCOVERY PROGRAM AT TEXAS A&M UNIVERSITY

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Managing IODP Expeditions and facilitating the research of all expedition members.

2019 – 2021 Bremerhaven, Germany

**MARINE GEOLOGIST** ALFRED-WEGENER-INSTITUTE HELMHOLTZ CENTER FOR POLAR AND MARINE RESEARCH

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Postdoctoral scientist in the department of Marine Geology.

Research Scientist focused on the stability of Antarctic ice sheets and oceanic CO<sub>2</sub> sequestration.

2019 Hannover, Germany

**MARINE GEOLOGIST** BUNDESANSTALT FÜR GEOWISSENSCHAFTEN UND ROHSTOFFE

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Postdoctoral scientist in the department of Marine Geology.

Participation in IODP Expedition 382. Head of the sedimentology working group.

2015 – 2019 Bremerhaven, Germany

**MARINE GEOLOGIST** ALFRED-WEGENER-INSTITUTE HELMHOLTZ CENTER FOR POLAR AND MARINE RESEARCH

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Postdoctoral scientist in the department of Marine Geology.

Research Scientist focused on Southern Ocean circulation and past CO<sub>2</sub> sequestration.

## ● EDUCATION AND TRAINING

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2010 – 2014 Germany

**PH. D. / DR. RER. NAT.** University of Bremen (German University of Excellence)

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**Address** Germany

2005 – 2010 Germany

**DIPLOMA (MSC EQUIVALENT) IN GEOLOGY** Steinmann Institute for Geology, Mineralogy and Paleontology, University of Bonn

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**Address** Germany

## ● ADDITIONAL INFORMATION

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### SEAGOING EXPEDITIONS

2024

**R/V JOIDES Resolution Expedition 403 - Eastern Fram Strait Paleo-Archive**

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Expedition Project Manager

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**R/V JOIDES Resolution Expedition 398 – Hellenic Arc Volcanic Field**

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2022 - 2023

Expedition Project Manager

2019

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**R/V JOIDES Resolution Expedition 382 – South Atlantic / Iceberg Alley**

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Leader of the sedimentology night shift.

2018

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**R/V Sonne SO264 – Subarctic Northwest Pacific**

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Leader of the geology-sedimentology group and coring operations.

2017

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**R/V Polarstern PS104 – West Antarctic / Amundsen Sea**

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Shipboard sampling and helicopter-based surveying as well as sampling on the ice shelf and icebergs.

2016

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**R/V Polarstern PS97 – Antarctic Peninsula & Drake Passage**

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Leader of physical-properties group. Shipboard sampling. Aiding deployment of land/ice-based GNSS antennas.

2014

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**R/V Polarstern ANT-XXX/1 – English Channel & North Atlantic**

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2013

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**R/V Polarstern ANT-XXIX/4 – Scotia Sea / South Georgia**

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Leader of physical-properties group.

2012

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**R/V Heincke HE-376/2 – North Sea**

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2011

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**R/V Sonne SO213/2 – South Pacific: Chile – New Zealand**

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Leader of physical-properties group.

2010 – 2011

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**R/V Sonne SO213/1 – Southeast Pacific: Valparaíso, Chile – Valparaíso, Chile**

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2010

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**R/V Uthörn – German Bight**

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**Geological/Biological underwater fieldwork (scuba) off Elba, Italy**

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2008 and 2009

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**LAND EXPEDITIONS**

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2009

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**Geological mapping in the Karoo Desert, South Africa**

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Project management, fieldwork, interaction with UraMin-Areva reps, writing of final report.

2008

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**Geological mapping in the Eastern Rhodopes, Bulgaria**

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2007

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**Paleontological excavation in Winterswijk, Netherlands**

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2007

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**Geological mapping in the Lodève-Basin, France**

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## INTERNATIONAL RESEARCH STAYS

2014  
**ETH Zürich**

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Laboratory of Ion Beam Physics

2009  
**Statoil ASA, Stavanger, Norway**

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Department of Geology

2009  
**University of the Witwatersrand, Johannesburg, South Africa**

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Centre of Excellence in Palaeosciences; Sedimentology and Biostratigraphy

## MANAGEMENT AND LEADERSHIP SKILLS

**Group leader and project manager** I have been in charge of the international geology group, coring, and laboratories during Expedition SO264, as well as the sedimentology night shift during IODP Expedition 382. On all expeditions (except for SO264 and Exp382), I have been in charge of the onboard logging activities and lab.

**Principal Investigator** DFG SPP1158 project RO5057/1-1  
DFG SPP1158 project RO5057/1-2  
Responsible for acquisition of funding, planning and execution of lab work, writing of publications and reports.

**Supervision of interns, bachelor's, master's, and PhD students** At the Alfred-Wegener-Institute, I have and still do supervise student interns, bachelor's and master's students, as well as PhD students. Currently: Master's Student *Sharon Dbritto* (India)  
PhD student *Kevin Küssner* (Germany)

**Speaker of the AWI Postdoc Council** At the Alfred-Wegener-Institute, I have been the representative of the geoscience department in the AWI Postdoc Council and have been the speaker of the council itself. In this position, I represented the postdocs at AWI and discussed and negotiated postdoc topics with the AWI directorate.

## COMMUNICATION AND INTERPERSONAL SKILLS

**Science Communicator** German and English science talks for the general public, school classes, and other events.

**Science Ambassador** Participating in official outreach events of the Alfred-Wegener-Institute. E.g., Open Ship, climate workshops, panels.

**Science Educator** Multiple talks and presentations for school classes in person, or world-wide via Skype-a-Scientist.

**Media** Multiple interviews and appearances for different media outlets (print, online, radio, podcast, TV).

**Social Media** Active communicator on Twitter: @RemoteLongitude

## GRANTS AND FUNDING

2019 – CURRENT  
**NSF-China project 91958106 (co-proponent with Dr. X. Zhen)**

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2018 – 2020  
**Helmholtz Society project POSY (co-proponent)**

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2018  
**DFG SPP527 (PI)**

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2016 – 2018  
**DFG SPP1158 project RO5057/1-2 (PI)**

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2014 – 2017

**DFG SPP1158 project RO5057/1-1 (PI)**

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2016

**NVP grant, to attend a workshop in Longyearbyen, Norway**

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2008

**Statoil ASA travel grant, to conduct lab work at Statoil's repository**

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2008

**UraMin-Areva travel grant, to conduct field work in the Karoo Desert and a research stay at the University of the Witwatersrand**

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## **TEACHING**

2018 – 2021

**Lecture: Grundzüge der Paläozooanographie und Paläoklimatologie (Introduction to Paleoceanography and Paleoclimatology), Bremen University**

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Since 2020 online

2010 – CURRENT

**Supervision of interns, bachelor's, master's, and PhD students**

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2008 – 2010

**Micropaleontology lectures at University of Bonn**

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## **VOLUNTEERING**

2020 – CURRENT

**IODP Geophysics LWG** Member of the IODP geophysics lab working group.

2018 – 2021 Alfred-Wegener-Institute Bremerhaven

**Emergency Evacuation Assistant**

2017 – 2022

**APECS Germany board member** Board member of the German branch of APECS (Association of Polar Early Career Scientists).

2017 – CURRENT

**German Society for Polar Research social media**

2017 – 2021 Alfred-Wegener-Institute Bremerhaven

**Organizer of AWI Geoseminar** Inviting local and external researchers to the research seminar of the AWI marine geology department.

2017 – 2019

**PAGES ECN regional representative** Regional representative for Germany of the Past Global Changes early career network (PAGES ECN).

2016 – 2018 Alfred-Wegener-Institute Bremerhaven

**AWI Postdoc Council** Speaker

Representative of AWI Geosciences

2016 – 2017 Alfred-Wegener-Institute Bremerhaven

**Chair of AWI Colloquium** Invitation of internationally renowned scientists to speak at the AWI.

Organization of the events.

2016 – CURRENT

**Skype a Scientist** Talks via online tools (skype, zoom, etc.) to school classes and other groups around the world.

## **NETWORKS AND MEMBERSHIPS**

**European Geoscience Union - EGU**

**Deutsche Gesellschaft für Polarforschung (German Society for Polar Research)**

**American Geophysical Union - AGU**

**REVIEWER ACTIVITY**

**Reviewer for**

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Intergovernmental Panel on Climate Change (IPCC) *Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC)*

IPCC 6th Assessment Report

Earth and Planetary Science Letters

Geochemistry, Geophysics, Geosystems (G-Cubed)

Journal of Climate

Paleoceanography and Paleoclimatology

National Science Foundation

Nature Communications

Quaternary Science Reports