

# Dr. Thomas A. Ronge

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

## ● WORK EXPERIENCE

2025 – CURRENT College Station, United States

**EXPEDITION PROJECT MANAGER/STAFF SCIENTIST** TEXAS A&M UNIVERSITY

Managing Expeditions for SODCO and facilitating the research of all expedition members.

2022 – 2025 College Station, United States

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

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

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

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

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

2010 – 2014 Germany

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

2005 – 2010 Germany

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

## ● SEAGOING EXPEDITIONS

2025

**HOV CuraSub - Submersible-based sampling and rariphotic zone survey off Curaçao**

Lead Geologist

2024

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

Expedition Project Manager

2022 – 2023

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

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Expedition Project Manager

2019

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

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Leader of the sedimentology night shift.

2018

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

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Leader of the geology-sedimentology group and coring operations.

2017

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

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MSP-Style drilling with the MeBo seafloor drill rig.

2016

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

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Leader of physical-properties group. Sedimentology and coring operations, deployment of land/ice-based GNSS antennas.

2014

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

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Sub-seafloor profiling and multibeam mapping.

2013

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

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Leader of physical-properties group. Sedimentology and coring operations.

2012

## **R/V Heincke HE-376/2 – North Sea**

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Sub-seafloor profiling and multibeam mapping.

2011

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

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Leader of physical-properties group. Sedimentology and coring operations.

2010 – 2011

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

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Sedimentology and coring operations.

2010

## **R/V Uthörn – German Bight**

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Sedimentology and coring operations, biological trawling.

2008 – 2009

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

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## ● **LAND EXPEDITIONS**

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2009

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

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2007  
**Paleontological excavation in Winterswijk, Netherlands**

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2007  
**Geological mapping in the Lodève-Basin, France**

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## ● **INTERNATIONAL RESEARCH STAYS**

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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

## ● **COMMUNICATION AND INTERPERSONAL SKILLS**

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### **Science Communicator**

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

### **Science Ambassador**

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

### **Science Educator**

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

### **Media**

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

### **Social Media**

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Active communicator on Bluesky: @ThomasRonge

## ● **TEACHING**

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2018 – 2021  
**Lecture: Introduction to Paleoceanography and Paleoclimatology, Bremen University**

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Online lectures in 2020 and early 2021

2010 – 2021  
**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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## ● REVIEWER ACTIVITY

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### 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