

Dr. Thomas A. Ronge

Website: <https://www.thomasronge.eu/> | **Bluesky:** @ThomasRonge |

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 CO₂ 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 CO₂ 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 – Caribbean Sea

Lead Geologist

2024

R/V JOIDES Resolution Expedition 403 – High Arctic / Eastern Fram Strait

Expedition Project Manager

2022 – 2023

R/V JOIDES Resolution Expedition 398 – Aegean Sea

Expedition Project Manager

2019

R/V JOIDES Resolution Expedition 382 – Antarctic Iceberg Alley

Leader of the sedimentology night shift.

2018

R/V Sonne SO264 – Subarctic Northwest Pacific

Leader of the geology-sedimentology group and coring operations.

2017

R/V Polarstern PS104 – West Antarctic / Amundsen Sea

MSP-Style drilling with the MeBo seafloor drill rig.

2016

R/V Polarstern PS97 – Antarctic Peninsula & Drake Passage

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

Sub-seafloor profiling and multibeam mapping.

2013

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

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

2012

R/V Heincke HE-376/2 – North Sea

Sub-seafloor profiling and multibeam mapping.

2011

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

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

2010 – 2011

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

Sedimentology and coring operations.

2010

R/V Uthörn – German Bight

Sedimentology and coring operations, biological trawling.

2008 – 2009

Geological/Biological research diving – Elba, Italy

● **LAND EXPEDITIONS**

2009

Geological mapping – Karoo Desert, South Africa

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

2008

Geological mapping – Eastern Rhodopes, Bulgaria

2007

Paleontological excavation – Winterswijk, The Netherlands

2007

Geological mapping – Lodève-Basin, France

● **INTERNATIONAL RESEARCH STAYS**

2014

ETH Zürich – Zürich, Switzerland

Laboratory of Ion Beam Physics

2009

Statoil ASA – Stavanger, Norway

Department of Geology

2009

University of the Witwatersrand – Johannesburg, South Africa

Centre of Excellence in Palaeosciences; Sedimentology and Biostratigraphy

● **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 Bluesky: @ThomasRonge

● **TEACHING**

2018 – 2021

Lecture: Introduction to Paleoceanography and Paleoclimatology, Bremen University

Online lectures in 2020 and early 2021

2010 – CURRENT

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

2008 – 2010

Micropaleontology lectures at University of Bonn

● REVIEWER ACTIVITY

Reviewer for

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