

CV: Anders Damsgaard

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Researcher in glaciology, quaternary geology, and numerical modeling. Develops high-performance computational models for solving climate and geoscience problems, constrained by observations from the geological record and mechanical theory.

POSITIONS

- 2022–present **Aarhus University**, Department of Geoscience,
Assistant Professor (tenure track) in Quaternary Geology
- 2020–2022 **Aarhus University**, Department of Geoscience,
Marie Skłodowska-Curie Postdoctoral Fellow
- 2020 **Aarhus University**, Department of Geoscience, *External Lecturer*
- 2019–2020 **Stanford University**, Department of Geophysics, *Independent Consultant*
- 2018–2019 **Danish Environmental Protection Agency**, *Academic Technician*
- 2017–2018 **Princeton University**, Program in Atmospheric and Oceanic Sciences
Andlinger Center, GFDL/NOAA, *Postdoctoral Research Associate*
- 2016–17 **Scripps Institution of Oceanography**, Institute of Geophysics and Planetary Physics
University of California, San Diego, *Green's Foundation Postdoctoral Scholar*
- 2015 **Aarhus University**, Department of Geoscience, *Research Assistant*

EDUCATION

- 2015 **Aarhus University**, Department of Geoscience, Ph.D. in Geoscience
“Numerical Modeling of Subglacial Sediment Deformation”
- 2012 **Aarhus University**, Department of Geoscience, M.Sc. in Geology
- 2010 **Aarhus University**, Department of Geoscience, B.Sc. in Geology

AWARDS, GRANTS, AND SCHOLARSHIPS

- 2022–2025 Bundesgesellschaft für Endlagerung, Germany: *“Dynamical modelling of subglacial melt-water erosion during past and future glaciations”*. PI. EUR 547,835.
- 2020 European Union/European Commission, Horizon 2020: Marie Skłodowska-Curie Actions Individual Fellowship, *“NEMOSID: NExt-generation MOdeling of Sedimentary Ice-sheet Dynamics”*. PI. EUR 207,000.
- 2016 Aarhus University Research Foundation: Award for outstanding Ph.D. research in Science and Technology. DKK 50,000.
- 2016 XSEDE Startup Allocation, *“Grain and fluid dynamics: Governors of glacier flow and earthquake initiation”*. 48,000 CPU hours. PI.
- 2016 NVIDIA Corporation, hardware grant (Tesla K40).

- 2016 Community Surface Dynamics Modeling System (CSDMS) Student Modeler Award 2016, University of Colorado Boulder, USA.
- 2015 Cecil H. and Ida M. Green Foundation for Earth Sciences scholarship. 58,000 USD.
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PUBLICATIONS AND PRESENTATIONS

First author on 8 publications of a total of 11 peer-reviewed publications (h-index: 5). 36 Oral presentations at international scientific conferences and workshops, where 13 are invited contributions.

PROFESSIONAL AFFILIATIONS

- Member, Danish Geotechnical Society (2022–present)
 - Board Member, Geological Society of Denmark (2021–present)
 - Member, American Geophysical Union (2013–present)
 - Member, Geological Society of America (2017–present)
 - Member, International Glaciological Society (2015–present)
 - Member, European Geosciences Union (2011–present)
 - Member, CICE Consortium (2017–2019)
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SERVICE TO THE FIELD

Reviewer for the following agencies and academic journals:
National Science Foundation (NSF), Nature Geoscience, Communications Earth & Environment, Journal of Glaciology, Quaternary Science Reviews, The Cryosphere, Journal of Geophysical Research, Ocean Modelling, Boreas, Earth Surface Processes and Landforms, Journal of Advances Modeling Earth Systems

TEACHING

- “*Geology of Denmark*”, AU (5 ECTS), 2020 and 2021, 100% involvement.
 - “*Quaternary Geology*”, AU (10 ECTS), 2020–present, 50% involvement.
 - “*Geoscience and Sustainability*”, AU (5 ECTS), 2022–present, 15% involvement.
 - “*Geotechnical Field Course*”, AU (5 ECTS), new course in 2023, 100% involvement.
 - Experience as teaching assistant in 12 different geoscientific courses.
 - Completed the AU Teacher Training Program on pedagogy and learning design.
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SUPERVISION

2 Ph.D., 3 M.Sc., 2 B.Sc., 1 high school intern

OUTREACH

9 presentations about climate, geology, and fieldwork from the elementary to high-school school level. DR1 Viden article on quicksand. Podcast interview (1 hour) ”The Changelog” about climate science and research in glaciology.