

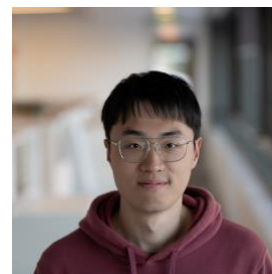
Yu Wang

PhD Candidate

Email: yu.wang0@utas.edu.au

ORCID: [0000-0001-9070-6004](https://orcid.org/0000-0001-9070-6004)

Website: <https://yuwang.blog>



EDUCATION

Doctor of Philosophy (Marine and Antarctic Studies)

Aug 2022 – present

Institute for Marine and Antarctic Studies, University of Tasmania, Australia

Bachelor of Marine and Antarctic Science with Honours

Jul 2019 – Jul 2021

Institute for Marine and Antarctic Studies, University of Tasmania, Australia

Bachelor of Marine Science

Aug 2017 – Jul 2021

College of Oceanic and Atmospheric Sciences, Ocean University of China, China

RESEARCH INTERESTS

- Antarctic ice dynamics
- Ice sheet / ice shelf modelling
- Subglacial hydrology
- Sea-level rise projections
- Ice–ocean interactions
- Geoengineering interventions

SKILLS

- **Programming & tools:** MATLAB, Python, Fortran, ParaView, QGIS
- **Modelling:** Elmer/Ice (ice-flow), ROMS (ocean circulation)
- **Data & viz:** processing, uncertainty quantification, figure reproduction
- **Experiment design:** ensemble modelling workflows (HPC)

EXPERIENCE

Lecturer at Kioloa Winter School: Antarctic Tipping Points

Jun 2025

Convenor of the [WilkesMIP](#) Project

Jan 2025

Organiser and host of the UTAS Ice Sheets Group Meeting

Jun 2023 – Aug 2024

Participant in Karthaus Summer School on Glaciology

May 2024

European Geosciences Union (EGU) General Assembly 2024

Apr 2024

Poster Presentation, Session CR1.3

Poster presentation at AAPP Symposium	Oct 2023
Visiting student at Beijing Normal University	Sep 2021 – Feb 2022
John Moore's Group, College of Global Change and Earth System Science	
Honours project at University of Tasmania	Jul 2020 – Jul 2021
Supervised by Chen Zhao, Rupert Gladstone, Ben Galton-Fenzi	
European Geosciences Union (EGU) General Assembly 2021	Apr 2021
Poster Presentation, Session CR3.4	

HONOURS AND AWARDS

ACCESS Community Annual Workshop Best Poster Award	Sep 2023
Australian Antarctic Program Partnership Top-Up Scholarship	Aug 2022
Tasmanian Graduate Research Scholarship	Aug 2022
Executive Dean's Honour Roll, University of Tasmania	Oct 2021
Tasmanian International Scholarship, University of Tasmania	2019 – 2021
Academic Excellence Scholarship, Ocean University of China	2018 – 2019
Honorary Title of Outstanding Student, Ocean University of China	2018 – 2019
First-Class Annual Scholarship, Ocean University of China	2017 – 2018

PUBLICATIONS

- Wang, Y.**, Zhao, C., Gladstone, R., Galton-Fenzi, B., & Warner, R. (2022). Thermal structure of the Amery Ice Shelf from borehole observations and simulations. *The Cryosphere*, 16, 1221–1245. <https://doi.org/10.5194/tc-16-1221-2022>
- Wang, Y.**, Zhao, C., Gladstone, R., Zwinger, T., Galton-Fenzi, B. K., & Christoffersen, P. (2024). Sensitivity of the future evolution of the Wilkes Subglacial Basin ice sheet to grounding-line melt parameterizations. *The Cryosphere*, 18, 5117–5137. <https://doi.org/10.5194/tc-18-5117-2024>
- Seroussi, H., Pelle, T., Lipscomb, W. H., Abe-Ouchi, A., Albrecht, T., Alvarez-Solas, J., Asay-Davis, X. S., Barre, J.-B., Berends, C. J., Bernales, J., Blasco, J., Caillet, J., Chandler, D. M., Coulon, V., Cullather, R., Dumas, C., Galton-Fenzi, B. K., Garbe, J., Gillet-Chaulet, F., ... Zwinger, T. (2024). Evolution of the Antarctic Ice Sheet over the next three centuries from an ISMIP6 model ensemble. *Earth's Future*, 12(9), e2024EF004561. <https://doi.org/10.1029/2024EF004561> (co-author; **Wang, Y.**)
- Zhao, C., Gladstone, R., Zwinger, T., Gillet-Chaulet, F., **Wang, Y.**, Caillet, J., Mathiot, P., Saraste, L., Jager, E., Galton-Fenzi, B. K., Christoffersen, P., & King, M. A. (2025). Subglacial water amplifies Antarctic contributions to sea-level rise. *Nature Communications*, 16, 3187. <https://doi.org/10.1038/s41467-025-58375-4>