

## Kristin M. Schild

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### Education

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2017      **Ph.D.** Earth Sciences, Department of Earth Sciences, Dartmouth College  
2011      **M.S.** Quaternary and Climate Studies, Climate Change Institute, University of Maine  
2007      **B.A.** Psychology, with Physics and Math minors (University Honors), Southern Methodist University

### Appointments

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2021 - present      **Assistant Professor**, University of Maine, School of Earth and Climate Sciences  
2021 - present      **Faculty Associate**, University of Maine, Climate Change Institute  
2018 - 2021      **Research Assistant Professor**, University of Maine, Climate Change Institute *and* School of Earth and Climate Sciences  
2017 – 2019      **Postdoctoral Research Scientist**, University of Oregon

### Five Most Recent Publications

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\*Kindstedt, I., K.M. Schild, D. Winski, K. Kreutz, L. Copland, S.W. Campbell, and E. McConnell (2022) Offset of MODIS land surface temperatures from in situ air temperatures in the Upper Kaskawulsh Glacier region (St. Elias mountains) indicates near-surface temperature inversions. *The Cryosphere*, 16, 3051-3070. doi: 10.5194/tc-16-3051-2022.  
\*Hill, A., K.M. Schild, S.W. Campbell, and S.F. Child (2022) Recent changes in the McMurdo Ice Shelf Transition Zone and Hut Point Peninsula, West Antarctica. *Cold Regions Sci. and Tech.*, 202(103615), doi: 10.1016/j.coldregions.2022.103615  
Schild, K.M., D.A. Sutherland, P. Elosegui, and D. Duncan (2021) Measurements of iceberg melt rates using high-resolution GPS and surface scans. *Geophys. Res. Lett.*, 48(3), doi:10.1029/2020gl089765.  
\*Shah, V., K.M. Schild, M. Lindeman, D. Duncan, D.A. Sutherland, C. Cenedese, F. Straneo, and H. Singh (2019). Multi-sensor mapping for low contrast, quasi-dynamic, large objects. *IEEE Robotics and Automation Letters*. doi: 10.1109/LRA.2019.2962357  
Schild, K.M., C.E. Renshaw, D.I. Benn, A. Luckman, R.L. Hawley, P. How, L. Trusel, F. R. Cottier, A. Pramanik, and N. R. J. Hulton (2018), Glacier calving rates due to subglacial discharge, fjord circulation, and free convection. *J. Geophys. Res.*, 123. doi:10.1029/2017JF004520.

\*denotes student-led manuscript

### Funding

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Awards total \$5.07M including research grants, conference funding, and competitive fellowships. Research funding from NASA, NSF, Maine/Alaska Federal Priorities, Maine Historic Preservation Commission, American Alpine Club, Geological Society of America, University of Maine System

### Field Experience

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Approximately 22 months in glaciated regions on 25 different expeditions from 2008 – 2022 in Greenland, Antarctica, Svalbard, Patagonia, and Alaska.

### Teaching

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Geomatics (ERS 301, every fall), Arctic Research Forum (EES 598, every fall), Junior Seminar (EES 390, every other spring), Glaciology (ERS 444/544, every other spring)

### Arctic Community Positions

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International Glaciology Society: USA Eastern Correspondent, New England Arctic Network: Leadership Council, North East Glaciology Meeting: Organizing Committee, UMaine Arctic Initiative: Coordinator

*Updated August 2022*