

REBECCA L. HARDENBROOK

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University of Utah, Department of Mathematics

EDUCATION

Doctor of Philosophy August 2018 - Expected 2023
Applied Mathematics, University of Utah

Bachelor of Science June 2014 - May 2018
Mathematics, University of Utah

PUBLICATIONS

N. Kraitzman, R. Hardenbrook, B. Murphy, H. Dinh, E. Cherkaev, J. Zhu and K. M. Golden, **Bounds on the Effective Thermal Conductivity of Sea Ice in the Presence of Fluid Convection**, *in preparation*, 13 pp., 2019.

CONFERENCES

Seminars in Undergraduate Mathematics in Montreal January 2018
Concordia University

Multi-scale modelling of ice characteristics and behaviour September 2017
Isaac Newton Institute

Graduate Research Opportunities for Women in Mathematics October 2016
Northwestern University

FELLOWSHIPS AND AWARDS

NEXUS 2019 Pilot Grant 2019-20
Environmental Justice Research to Action: Assessing and Addressing Disparate Exposures to Air Pollution in Salt Lake County, PI: Daniel Mendoza, co-PI's: Tim Collins, Sara Grineski, Jeff Rose
Graduate Research Assistant

University of Utah Global Change and Sustainability Center Fellowship 2018-19

University of Utah College of Science Undergraduate Research Award 2018

University of Utah ACCESS Scholarship 2014-15

SERVICE AND MEMBERSHIP

University of Utah Academic Senate Executive Committee June 2019-Present
ASUU Senate Representative

United Nations Civil Societies Conference Planning Committee 2019
Member

United Nations Civil Societies Conference Youth Sub-committee May 2019-Present
Co-chair

United Nations Civil Societies Conference Youth Sub-committee <i>Member</i>	2019
Salt Lake County Equitable Air Quality Task Force <i>Co-founder</i>	May 2019-Present
Coalition for Utah Science and Policy (CUSP) <i>Co-founder</i>	April 2019-Present
Graduate Assembly Ad Hoc Committee, University of Utah <i>Member</i>	2019
Graduate Recruitment Committee, Department of Mathematics, University of Utah <i>Member</i>	2019
SIAM, University of Utah Chapter <i>Vice President</i>	August 2018-Present
AWM, University of Utah Chapter <i>Member</i>	August 2016-Present
Association for Polar Early Career Scientists (APECS) <i>Member</i>	2016-Present
Permafrost Young Researchers Network (PYRN) <i>Member</i>	2016-Present
Graduate Student Council, University of Utah <i>Graduate Student Representative</i>	August 2018-May 2019

WORK EXPERIENCE

Associated Students of the University of Utah <i>Senator, College of Science</i>	May 2019-Present
Department of Mathematics, University of Utah <i>Teaching Assistant</i>	May 2019-Present
Department of Mathematics, University of Utah <i>Research Assistant</i>	December 2016-Present
ACCESS Program for Women in STEM, College of Science <i>Teaching Assistant</i>	Summer 2017/2018/2019
Department of Mathematics, University of Utah <i>Tutor/Grader</i>	August 2017-December 2017

TECHNICAL SKILLS

LaTeX, Maple, MATLAB