

## Huy Dinh

CONTACT INFORMATION	Huy Dinh Department of Mathematics 155 S 1400 E RM 233 Salt Lake City, UT 84112-0090	<a href="mailto:hdinh@math.utah.edu">hdinh@math.utah.edu</a> <a href="http://math.utah.edu/~hdinh">math.utah.edu/~hdinh</a> 801-581-7653
EDUCATION	<b>Ph.D., Applied Mathematics</b> , University of Utah thesis advisor: Prof. Kenneth M. Golden research topics: simulations of floe scale dynamics, anomalous diffusion in sea ice, fractional diffusion equations, numerical methods for nonlocal PDEs  <b>M.S., Statistics</b> , University of Utah advisor: Prof. Tom Alberts research Topics: fractional Brownian motion (fBM) and autoregressive integrated moving average (fARIMA), continuous time random walks (CTRWs), Hurst exponent estimation  <b>B.S., Mathematics</b> , University of Houston minor: Physics research topics: mathematical image processing, applied algebraic topology, inverse problems, machine learning methods	<b>Expected May 2020</b>    <b>Expected August 2019</b>    <b>May 2014</b>
EMPLOYMENT	<b>graduate research and teaching assistant</b> , University of Utah <b>undergraduate research assistant</b> , University of Houston	<b>August 2014–current</b> <b>Spring 2010–May 2014</b>
HONORS AND AWARDS	NSF GRFP Honorable Mention Travel Award to attend Joint Mathematics Meetings Travel Award to attend PIMS Conference on the Mathematics of Sea Ice NSF GRFP Honorable Mention	<b>2016</b> <b>2016</b> <b>2015</b> <b>2015</b>
SUBMITTED PUBLICATIONS	Dinh, Huy and Antil, Harbir and Chen, Yanlai and Cherkaev, Elena and Narayan, Akil (2019) <i>Model reduction for fractional elliptic problems using Kato's formula</i> , [ <a href="https://arxiv.org/abs/1904.09332">arXiv:1904.09332</a> ].	
ATTENDED CONFERENCES	SIAM Wasatch Student Chapters Conference Joint Mathematics Meeting MRC on Differential Equations, Probability and Sea Ice PIMS Conference on the Mathematics of Sea Ice	<b>2019</b> <b>2016</b> <b>2015</b> <b>2015</b>
PRESENTATIONS	<i>Anomalous Diffusion in Sea Ice</i> SIAM Wasatch Student Chapters Conference, University of Southern Utah <i>Eigenfaces, a Perspective on a Machine's Perspective</i> Applied Math Collective, University of Utah <i>Anomalous Diffusion in Sea Ice</i> Oral Qualifying Exam, University of Utah <i>Factorization of Functions</i> Applied Math Collective, University of Utah <i>Fractional Brownian Motion: Formulation and Applications</i> Applied Math Collective, University of Utah	<b>April 2019</b>  <b>April 2019</b>  <b>February 2019</b>  <b>July 2018</b>  <b>February 2018</b>

## MENTORING

**Graduate students**

Rebecca Hardenbrook

**Fall 2018 – Spring 2019**

Sean Groathouse

**Fall 2018 – Spring 2019****Undergraduate students**

Jacqueline Rich (coadvised with Kenneth Golden)

**Fall 2018**

Everest Fang (coadvised with Kenneth Golden)

**Summer 2015**PROFESSIONAL  
ACTIVITIES**University of Utah SIAM Student Chapter President****Fall 2014–Summer 2018**

organized the first SIAM Wasatch Student Chapters Conference

**Spring 2018**

organized SIAM SC interdepartmental BBQ

**Summer 2018**

organized COMAP awards seminar

**Spring 2016**

## COMPUTER SKILLS

Experience with L<sup>A</sup>T<sub>E</sub>X, MatLab, Mathematica, HTML, Python, Git, C++, Java, Windows, Linux.TEACHING  
EXPERIENCE**Teaching Assistant**, University of Utah

Math 3070, Applied Statistics I

**Fall 2019**

Math 3150, Partial Differential Equation for Engineers

**Summer 2019**

Math 1070, Introduction to Statistical Inference

**Spring 2019**

Math 1070, Introduction to Statistical Inference

**Fall 2018**

Math 3160, Applied Complex Variables

**Summer 2018**

Math 2210 Calculus III (two invited lectures)

**Spring 2018**

Math 2250, Differential Equation and Linear Algebra (Lab)

**Spring 2018**

Math 5750/6880, Mathematics and Climate (one invited lecture)

**Fall 2017**

Math 1090, Business Algebra

**Fall 2017**

Math 3160, Applied Complex Variables

**Summer 2017**

Math 1060, Trigonometry (one invited lecture)

**Spring 2017**

Math 1060, Trigonometry

**Spring 2017**

Math 1090, Business Algebra

**Fall 2016**

Math 1090, Business Algebra

**Spring 2016**

Math 2210, Calculus III, TA (one guest lecture)

**Fall 2015**

Math 1210, Calculus I (Lab)

**Spring 2015**

Math 2250, Differential Equation and Linear Algebra (Lab)

**Fall 2014**