

Department of Mathematics
Northwestern University
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Evanston, IL 60208

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Education

- Ph.D. in Mathematics, The Johns Hopkins University, November 1993
- M.A. in Mathematics, The Johns Hopkins University, 1988
- Magister (M.A. equivalent) in Mathematics and Physics, University of Graz, Austria, 1982

Professional Career

- Associate Professor of Instruction, Department of Mathematics, Northwestern University, Fall 2016 - present
- Senior Lecturer, Department of Mathematics, Northwestern University, Fall 2014 – Spring 2016
- Lecturer, Department of Mathematics, Northwestern University, Fall 2012 – Spring 2014
- Visiting Faculty, Department of Mathematics, Northwestern University, Fall 2009 – Spring 2012
- Lecturer in Mathematics, Department of Mathematics, Johns Hopkins University, Fall 2008
- Lecturer in Mathematics, Department of Mathematics, Johns Hopkins University, Fall 2005
- Lecturer in Mathematics, Department of Mathematics and Computer Science, Goucher College, 1997-98
- Member at the Princeton Institute for Advanced Studies, School of Mathematics, 1996-97
- Miller Research Fellow, Department of Statistics, University of California at Berkeley, 1994-96
- Part time Visiting Assistant Professor, Department of Mathematics, Johns Hopkins University, Spring 1994
- *Fulbright* Exchange Teacher for Mathematics at the Baltimore School for the Arts, 1985-87. High School Teacher for Mathematics and Physics in Graz, Austria 1983-85.

Administrative Work at Northwestern

- Associate Chair, Department of Mathematics, Fall 2013 – present
- Teaching Assistant Coordinator, Department of Mathematics, Northwestern University, Fall 2012 – present

Teaching Awards

- WCAS Alumni Teaching Award, Northwestern University, 2013
- ASG Honor Roll, Northwestern University, 2012-13 and 2015-16
- Dean's Teaching Fellowship, The Johns Hopkins University, 1993

Teaching Experience

- **At Northwestern University:**
 - **Math 580** Seminar in College Teaching (Fall 2012, 2013, 2014, 2015, 2016, 2017)
 - **Math 334** Linear Algebra: Second Course (Winter 2014 and Spring 2014)
 - **Math 321-3** MENU*: Real Analysis (Spring 2018, expected)
 - **Math 320-1,3** Real Analysis (Fall 2011 and Spring 2013)
 - **Math 314** Probability and Statistics for Econometrics (Fall 2014 and Fall 2015)
 - **Math 311-1,2,3** MENU*: Probability and Stochastic Processes (Fall 2013, Winter and Spring 2017)
 - **Math 310-1,2,3** Probability and Stochastic Processes (3 quarter long sequence taught in AYs 2010-11, 2011-12, 2012-13, Winter and Spring 2015)
 - **Math 300** Foundations of Higher Mathematics (Winter 2018)
 - **Math 240** Linear Algebra (Winter 2013)
 - **Math 234** Multiple Integration and Vector Calculus (Spring 2010)
 - **Math 230** Differential Calculus of Multivariable Functions (Fall 2009)
 - **Math 224** Integral Calculus of One Variable Functions (Winter 2012); also acted as **Course Coordinator**
 - **Math 220** Differential Calculus of One Variable Functions (Winter 2010)
 - **Math 212, 213, 214** Single Variable Calculus I, II, III (yearlong sequence taught in AY 2010-11)
 - **Math 211** Short Course in Calculus (Spring 2017)

* MENU is Northwestern University's undergraduate Honors Mathematics program.

- **At Johns Hopkins University:** Honors Linear Algebra (2005), Calculus II (1991,1992, 2008), Calculus III (1994), Calculus Projects (1993), Introduction to Calculus (1989, 1991, 1992)
- **At UC Berkeley:** Probability and Stochastic Processes Seminar, part of The Summer Institute for the Mathematical Sciences (SIMS) at Berkeley, Summer 1996
- **At Goucher College:** Topics in Contemporary Mathematics (1997, 1998), Mathematical Models in Finance (1998)

Service at Northwestern University

In the Mathematics Department:

- Undergraduate Committee, 2012-13, 2015-16, 2016-17, 2017-18
- Hiring Committee for Teaching Track Faculty, 2015-16, 2016-17, 2017-18
- Hiring Committee for Temporary Lectureships, 2015-16, 2016-17, 2017-18 (chair)
- Calculus Committee, 2015-16
- Curriculum Committee for Math 311 MENU: Probability and Stochastic Processes, 2012-13
- Ad hoc Committee for Temporary Teachers and Graduate Student TA Prizes, Spring 2012, 2013, 2014, 2015, 2016, 2017
- Take Our Daughters & Sons to Work Day, Spring 2012; prepared projects and organized volunteers
- New Faculty Teaching Mentor, Fall 2011, 2012, 2013, 2014, 2015, 2016
- Interim Director of Calculus, Department of Mathematics, Winter and Spring 2012

Outside the Mathematics Department:

- TEAGLE Grant Faculty and Student Advisory Group, 2013-15
- Continuing Lecturer Advisory Committee, 2013-14
- Lecturer Travel and Professional Development Awards Committee, 2013-14

Publications

1. Semi-classical limit of random walks (with S. Zelditch). *Trans. AMS*, **352** (2000), 5317-5355.
2. Semi-classical limit of random walks II (with S. Zelditch). *Asymptotic Analysis*, **18** (1998), 215-261.
3. The cut-off phenomenon for random reflections. *Annals of Probability*, **24** No.1 (1996), 74-96.
4. The cut-off phenomenon for random reflections II: complex and quaternionic cases. *Probability Theory and Related Fields*, **104** (1996), 181-209.
5. L_2 -lower bounds for a special class of random walks. *Probability Theory and Related Fields*, **101** (1995), 277-289.

Professional Development and Activities

Workshops and Conferences attended:

- MAA MathFest 2017, August 2017.
- Joint Mathematics Meetings, Atlanta, GA, *AMS Special Sessions on Teaching Assistant Development Programs: Why and How? I and II*, January 2017.
- *MAA College Mathematics Instructor Development Source (CoMInDS) Summer Workshop*, NSF supported, University of Maine, June 2016.

Other Professional Activities:

- Panelist on *Academic Careers in Mathematics*, Graduate Research Opportunities for Women (GROW), Northwestern University, October 2015, 2016, and 2017.
- Review of a textbook proposal "Introduction to Probability" by Anderson, Seppäläinen, and Valkó for *Princeton University Press*, September 2016.
- Presenter at *Career Night*, Evans Scholars House, Northwestern University, January 2017.
- General audience talk "What Are the Chances – Probability in Everyday Life" at the Northwestern University Science Salon and Humanities Hour, May 2017.

Languages

- English, German, French