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Personal information

Born June 10, 1982
Citizenship: United States

Degrees

- Ph.D. in Mathematics, June 2010
Advisor: Carlos Kenig
University of Chicago, Chicago, IL
- Master of Science in Mathematics, August 2006
University of Chicago, Chicago, IL
- Bachelor of Science, majoring in Mathematics, January 2004
Harvey Mudd College, Claremont, CA

Teaching Experience

- Lecturer for Math 266: “Ordinary Differential Equations”, Purdue University, August – December 2010
- Lecturer for Math 105-106: “Fundamental Mathematics” (precalculus), University of Chicago, September 2008 – March 2009 and September 2009 – March 2010
- Lecturer for Math 152-153: “Calculus,” University of Chicago, September 2007 – March 2008
- Lecturer for Math 131-132-133: “Elementary Functions and Calculus,” University of Chicago, September 2006 – May 2007
- VIGRE Directed Reading Program, University of Chicago
Mentored independent reading projects for undergraduates with mutual mathematical interests:
 - Alex Korbonits, “Flows on Manifolds,” January – March 2010
 - Seung Hyun Yang, “Number Theory and Cryptography,” October – December 2007
 - Yana Peysakhovich, “Communication and Cooperative games,” January – March 2007

- College Fellow Course Assistant for Math 270: “Basic Complex Variables” under Raghavan Narasimhan (March – June 2006) and Laura DeMarco (October – December 2005)
- College Fellow Course Assistant for Math 268: “Introduction to Commutative Algebra” under Matam P. Murthy, January – March 2006

Honors

- Kowalsky Fellowship, University of Chicago Department of Mathematics, 2009–10
- Chavin Prize, Harvey Mudd College Department of Mathematics, Spring 2004
- Alice T. Schafer Prize, Honorable Mention, Association for Women in Mathematics, January 2004
- Robert James Prize, Harvey Mudd College Department of Mathematics, Fall 2001

Papers

- “Elliptic partial differential equations with complex coefficients,” <http://arxiv.org/abs/0911.2513>, preprint
- (with Lesley Ward) “Realizing functions as harmonic measure distribution functions of simply-connected planar domains,” in preparation

Talks

- “The Dirichlet problem with *BMO* boundary data and almost-real coefficients,” part of the American Mathematical Society Special Session on Harmonic Analysis, 2010 Fall Eastern Sectional Meeting in Syracuse, NY, October 2, 2010
- “Elliptic partial differential equations with almost-real coefficients,” PDE Seminar, Purdue University, Sept. 23, 2010
- “The Dirichlet and Neumann problems for elliptic partial differential equations with almost-real coefficients,” part of the American Mathematical Society Special Session on Function Theory, Harmonic Analysis, and Partial Differential Equations, 2010 Spring Southeastern Sectional Meeting in Lexington, KY, March 27, 2010

- “Elliptic partial differential equations with almost-real coefficients,” Calderón-Zygmund Analysis Seminar, University of Chicago, Nov. 30, 2009
- “Analysis II: Functional analysis.” Math Graduate Warmup Program, University of Chicago, Sept. 17, 2009
- “Analysis I: Measure theory and function spaces.” Math Graduate Warmup Program, University of Chicago, Sept. 16, 2008
- “Investigating complex-valued elliptic PDE using layer potentials,” Graduate Student PDE seminar, University of Chicago, Feb. 27, 2008
- “Analysis I: Function spaces.” Math Graduate Warmup Program, University of Chicago, Sept. 12, 2007
- “Analysis II: Fourier series and the Fourier transform.” Math Graduate Warmup Program, University of Chicago, Sept. 18, 2006