

## Lindsay E. Stovall (Betsy)

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### Employment and Education

- **NSF Postdoctoral Fellow**, UCLA, 2009–present
- **Assistant Adjunct Prof.**, UCLA, 2010–present
- **UC Berkeley Mathematics Ph.D.**, May 2009  
Advisor: Michael Christ  
Thesis:  *$L^p$  inequalities for certain generalized Radon transforms.*
- **Emory University Mathematics B.S./M.S.** 2003 (*summa cum laude*, Phi Beta Kappa)

### Recent Publications and Preprints

- Spyridon Dendrinos and Betsy Stovall, *Uniform bounds for the X-ray transform restricted to polynomial curves*, Preprint on website.
- Rowan Killip, Betsy Stovall, and Monica Vişan, *Scattering for the cubic Klein–Gordon equation in two space dimensions*, to appear *Trans. Amer. Math. Soc.* Preprint, arXiv:1008.2712 (60 pgs.).
- Betsy Stovall,  *$L^p$  improving multilinear Radon-like transforms*, *Rev. Mat. Ibero.* **27** (2011), no. 3, 1059–1085.
- Betsy Stovall, *Endpoint  $L^p \rightarrow L^q$  bounds for integration along certain polynomial curves*, *J. Funct. Anal.* **259** (2010), no. 12, 3205–3229.
- Betsy Stovall, *Quasi-extremals for convolution with surface measure on the sphere*, *Illinois J. Math.* **53** (2009), no. 2, 391–412.
- Betsy Stovall, *Endpoint bounds for a generalized Radon transform*, *J. London Math. Soc.* **80** (2009), no. 2, 357–374.

### Academic Awards and Fellowships

- NSF Mathematical Sciences Research Postdoc, July 2009–present
- Dissertation Year Fellowship, UC Berkeley, Sept. 2008–May 2009
- Outstanding Graduate Student Instructor Award, UC Berkeley, 2006
- Highest Honors for undergraduate thesis, Emory University, May 2003
- Trevor Evans Award, Emory University Mathematics Department, April 2003
- Phi Beta Kappa, Emory University, Fall 2001
- Dean’s scholarship (full tuition), Emory University, Sept. 1999–May 2003

## Teaching Experience

- **2010–present** Assistant Adjunct Professor, UCLA
  - \* Multivariable differential calculus, Fall 2011, Scheduled Winter 2012
  - \* Systems of differential equations (upper division), Scheduled Spring 2012
  - \* Analysis I (upper division), Spring and Fall 2010–2011
  - \* Analysis II (upper division), Winter 2011
  - \* Supervised undergraduate reading course, Winter 2011
    - Text: G. Edgar, *Measure, topology, and fractal geometry*, UTM
  - \* Table leader for UCLA Mathematics Festival, Spring 2011
- **2003–2008** Graduate Student, UC Berkeley
  - \* Complex Analysis, Instructor (responsible for every aspect of course), Summer 2006
  - \* Teaching Workshop, assistant for TA training course, Fall 2007
  - \* Partial Differential Equations, grader for graduate course, Spring 2008
  - \* Calculus (integral and multivariable), Teaching assistant, 3 semesters
  - \* Volunteer instructor for free SAT prep classes for local high school students, 2003–2004

## Professional Activities

- **October 2011.** Co-organizer (with M. Vişan and X. Zhang) of Special Session on Harmonic Analysis and Dispersive Partial Differential Equations at AMS Western Section Meeting.
- **January 2010.** Co-organizer (with K. Moen and R. Oberlin) of Special Session on Harmonic Analysis at 2010 AMS Joint Meetings.
- **Fall 2008.** Co-organizer (with M. Christ) of student seminar at UC Berkeley.

## Recent Talks

- **AMS Fall Western Section Meeting, Salt Lake City**, Harmonic Analysis and Dispersive PDE, October 2011
- **University of North Carolina, Chapel Hill**, Analysis/PDE Seminar, October 2011
- **University of Pennsylvania**, Analysis Seminar, September 2011
- **University of Rochester**, Analysis Seminar, September 2011
- **Southern California Analysis and PDE Conference**, May 2011
- **Georgia Tech**, Analysis Seminar, March 2011
- **Emory University**, Differential Geometry and Analysis Seminar, March 2011
- **University of Southern California**, Women in Math Seminar, March 2011
- **UCLA**, Analysis and PDE Seminar, February 2011
- **CMS Winter Meeting in Vancouver**, Harmonic Analysis and Additive Combinatorics Special Session, December 2010
- **MIT**, PDE/Analysis Seminar, November 2010
- **University of Birmingham (UK)**, Analysis Seminar, August 2010
- **University of Glasgow**, Analysis Seminar, August 2010
- **UCLA**, Participating (student) Analysis Seminar, May 2010
- **University of Bristol**, Analysis Seminar, November 2009
- **University of Edinburgh**, Analysis Seminar, November 2009
- **UCLA**, Analysis and PDE Seminar, September 2009