

Megan Guichard Shulman

Curriculum Vitae

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Department of Mathematics
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Personal Born: December 14, 1981
 Citizenship: USA

Education

- 2004– **The University of Chicago**, Chicago, IL
 Ph.D. candidate in Mathematics.
 M.S. in Mathematics, June 2006.
- 2000–2004 **California Institute of Technology**, Pasadena, CA
 B.S. in Mathematics, with honors, June 2004.

Teaching and Mentoring

- 2005–2006 **College Fellow** in Mathematics, University of Chicago
 Mathematics 161,162: Honors Calculus, mentors: L. Ryzhik, P. Seidel
 Mathematics 163: Honors Calculus, mentor: K. Walker.
- 2006, 2008 **Mentor** and **teaching assistant**, University of Chicago Research Experience for Undergraduates.
 Mentored student projects on: simplicial sets and Van Kampen's Theorem; fundamental groups and covering spaces; simplicial complexes; Eilenberg-MacLane spaces; and genetic algorithms.
- 2006–2007 **Mentor**, Directed Reading Program. Mentored undergraduates in one-quarter independent reading projects on: error-correcting codes and information theory; point-set topology; and Shannon's Noiseless Coding Theorem.
- 2007–2008 **Instructor** in Mathematics, University of Chicago
 Mathematics 152,153: Calculus
- 2008–2009 **Instructor** in Mathematics, University of Chicago
 Mathematics 195: Multivariable Calculus
 Mathematics 196: Linear Algebra

Invited talks

- **University of Illinois at Urbana-Champaign**, October 2009.
- **University of Notre Dame**, October 2009
- **Fall 2009 AMS Eastern Section Meeting**, State College, PA, October 2009.

Awards and Scholarships

- 2000–2004 **Axline Merit Scholarship**: California Institute of Technology, four year full-tuition scholarship
- 2003–2004 **Herbert J. Ryser Memorial Scholarship**: California Institute of Technology, awarded to undergraduate students for excellence in mathematics

- 2004 **Scott Russell Johnson Undergraduate Mathematics Prize:** California Institute of Technology, awarded to best graduating mathematics major
- 2004–2007 **National Defense Science and Engineering Graduate Fellowship**
- 2004–2006 **McCormick Fellowship** (University of Chicago)
- 2007– **National Physical Sciences Consortium Graduate Fellowship**
- 2009 **Lawrence and Josephine Graves Teaching Prize:** departmental award for excellence in teaching

Preprints

1. *Equivariant local coefficients and the $RO(G)$ -graded cohomology of classifying spaces*, in preparation

Service

- Board member and local events coordinator, University of Chicago Student Chapter of the Association for Women in Mathematics, 2005–present.
- Speaker, University of Chicago Graduate Student Warm-up Program, 2006 and 2009
- Volunteer, Graduate Student Topology Conference, April 2007
- Speaker and panel member, *Mid-Course Adjustments—Planning for Flexibility and Responsiveness*, Center for Teaching and Learning Workshop on Teaching in the College, September 2009

Internal talks: University of Chicago Topology Proseminar

- Rational Homotopy Theory, Fall 2004
- The Adams Spectral Sequence, Fall 2004
- Computations in the Adams Spectral Sequence, Winter 2005
- Vector Fields on Spheres, Fall 2005
- Equivariant Homotopy Theory and the Sullivan Conjecture, series of four talks, Winter 2006
- Miller’s proof of the Sullivan Conjecture, Spring 2006
- Equivariant algebraic topology and CW complexes, Fall 2006
- Equivariant (co)homology and Mackey functors, Fall 2006
- Freeness results of Lewis and Ferland in equivariant $RO(G)$ -graded homology, series of three talks, Winter 2007
- Smith Theory, Fall 2007
- $RO(\mathbb{Z}/p)$ -graded cohomology of some classifying spaces, Fall 2009