

Michael Shulman
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Employment

2009– L. E. Dickson Instructor, University of Chicago, Chicago IL
National Science Foundation Postdoctoral Fellowship

Education

1998–2002 California Institute of Technology, Pasadena, CA
Bachelor of Science in Mathematics, June 2002

2002–03 Cambridge University, Cambridge, England
Certificate of Advanced Study in Mathematics, with Distinction,
June 2003

2003–2009 University of Chicago, Chicago, IL
Master of Science in Mathematics, June 2005
Ph.D. in Mathematics, June 2009

Talks

2009 Category theory Novemberfest: “Unbounded quantifiers and strong axioms in topos theory”

2009 UC Berkeley: “Bicategories, framed bicategories, and beyond”

2009 AMS/MAA Joint Meetings: “Comparing composites of left and right derived functors.”

2008 CCR La Jolla: “Traces in monoidal categories and bicategories.”

2008 Macquarie University: “Enriched derived functors and homotopy limits”

2008 Macquarie University: “Equipments, double categories, and monoidal fibrations”

2008 University of Notre Dame: “Parametrized monoidal structures and framed bicategories.”

2007 University of Illinois, Urbana-Champaign: “Framed bicategories.”

2007 Fields Institute Workshop on higher categories and their applications, January 9-13: “Model categories for beginners” and “Introduction to quasi-categories.”

2006 Saunders MacLane Memorial Conference held at the University of Chicago, April 7-11: “Anchored bicategories.”

Teaching Experience

October 2004 – June 2005 College Fellow for Moore Method Honors Calculus

October 2005 – June 2009 Instructor in the College at the University of Chicago; taught Calculus, Moore Method Honors Calculus, Studies in Mathematics (number theory and geometry), and Precalculus

October 2009 – L. E. Dickson instructor at the University of Chicago; taught Moore Method Honors Calculus.

Service

2009–10 Co-organizer, University of Chicago Algebraic Topology and Category Theory seminar and proseminar

July–August 2003, 2004, 2005, 2006 Mentor at Canada/USA Mathcamp, a summer program for talented high school students.

July–August 2007, 2008 Academic Coordinator at Canada/USA Mathcamp.

2004–06 Speaker at University of Chicago Mathematics Department Graduate Warm-Up Program.

2004–08 Mentor for undergraduate independent study in Directed Reading Program at University of Chicago.

2005–07 Member of DRP steering committee.

2007–08 Teaching assistant in SESAME program, teaching algebra to high-school teachers.

Conferences Attended

2009 Category theory Novemberfest, Carnegie Mellon University, November 14–15

2009 Mayday 2009: New contexts in homotopy theory, University of Chicago, October 16–18

2009 6th workshop on Quantum Physics and Logic, Oxford U.K., April 8–9

2009 88th Peripatetic Seminar on Sheaves and Logic, Cambridge U.K., April 4–5

2009 AMS/MAA Joint Meetings, Washington D. C., January 7–8

2007 Fields Institute Workshop on higher categories and their applications, January 9–13

2006 Category theory Octoberfest, University of Ottawa, October 21–22

2006 MacLane Memorial Conference at University of Chicago, April 7–11

2005 Category theory Octoberfest, University of Ottawa, October 22–23

2004 Category theory Octoberfest, McGill University, October 16–17

2004 IMA Summer Program: n -categories: Foundations and Applications, June 7–18

Awards

- National Science Foundation Mathematical Sciences Postdoctoral Research Fellowship, 2009
- Lawrence and Josephine Graves Lectureship Award, University of Chicago Department of Mathematics, 2007
- McCormick Scholarship, University of Chicago, 2003
- Tau Beta Pi (engineering honor society), 2002
- Winston Churchill Foundation Scholarship, 2002
- Robert Byrd Scholarship, 1998