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Citizenship: USA

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– University of Chicago, Chicago, IL
Master of Science in Mathematics, June 2005

Publications

- “Parametrized spaces model locally constant homotopy sheaves.”
Top. Appl. 155 (2008), 412–432, arXiv:0706.2874
- “Lectures on n -categories and cohomology”, with John Baez,
math.CT/0608420; to appear in Proceedings of the IMA Summer
Program on n -categories.
- “Homotopy limits and colimits and enriched homotopy theory.”
Submitted, 2007, math.AT/0610194.
- “Framed bicategories and monoidal fibrations.” Submitted, 2007,
arXiv:0706.1286.
- “Comparing composites of left and right derived functors.”
Submitted, 2007, arXiv:0706.2868.
- “Set theory for category theory”, arXiv:0810.1279

Teaching Experience

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

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

Outreach

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.

Talks

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

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

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

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

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

Awards

- 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