

Jonathan A. Campbell

Curriculum Vitae updated November 2016

CONTACT INFORMATION	Department of Mathematics Vanderbilt University 1326 Stevenson Center Lane Nashville, TN, 37212	919-619-5730 jonalfcam@gmail.com http://www.jonathanacampbell.com Citizenship: US
APPOINTMENTS	2016 - present Visiting Assistant Professor, Vanderbilt University 2013 - 2016 RTG Instructor, University of Texas at Austin	
DEGREES	2013 Ph.D. in Mathematics, Stanford University. Advisors: Ralph Cohen, Andrew Blumberg 2007 B.S. in Mathematics, MIT.	
PAPERS AND PREPRINTS	<i>Derived Koszul Duality and Topological Hochschild Homology</i> <i>The Algebraic K-Theory of Varieties</i> <i>(Co)Homology of Spectral Categories</i> (in preparation) <i>Derived ℓ-adic ζ-functions</i> . Joint w/ Jesse Wolfson and Inna Zakharevich. (in preparation) <i>Algebraic Topology and Kaledin's Hodge-to-de Rham Degeneration</i> . Joint w/ Teena Gerhardt. (in preparation) <i>Classification of Symmetry Protected Phases via Homotopy Theory</i> . Joint w/ Dan Freed and Mike Hopkins.	
INVITED TALKS	<i>A Lift of the Zeta Function</i> , Vanderbilt University, April 15, 2016. <i>The Algebraic K-Theory of Varieties</i> , Stanford University, Oct 27, 2015. <i>The Algebraic K-Theory of Varieties</i> , University of Kentucky, Sept 10, 2015. <i>The Algebraic K-Theory of Varieties</i> , University of Chicago, March 10, 2015. <i>The Algebraic K-Theory of Varieties</i> , University of Illinois, Feb 10, 2015. MIT Topology Seminar, MIT, March 31, 2014. Joint Mathematics Meetings, Baltimore MD, Jan 17, 2014. <i>Topological Hochschild Homology and Koszul Duality</i> University of California Riverside, November 27, 2012. <i>Topological Hochschild Homology and Koszul Duality</i> Johns Hopkins University, November 19, 2012. <i>Topological Hochschild Homology and Koszul Duality</i> University of Illinois Urbana-Champaign, November 13, 2012. <i>Topological Hochschild Homology and Koszul Duality</i> University of Chicago, October 30, 2012. <i>Topological Hochschild Homology and Koszul Duality</i> Northwestern University, October 29, 2012.	
TEACHING EXPERIENCE - PRIMARY INSTRUCTOR	At Vanderbilt University Fall 2016 Math 3200 — Introduction to Topology At UT-Austin Fall 2015 Math 392C — Rational Homotopy Theory Spring 2015 Math 361 — Complex Analysis Fall 2014 Math 408C — Calculus I Spring 2014 Math 408M — Multivariable Calculus Fall 2013 Math 408D — Calculus II	
TEACHING EXPERIENCE - TEACHING ASSISTANT	At Vanderbilt University Fall 2016 Math 1300 — Accelerated Single Variable Calculus	

At Stanford University

Winter 2012 Math 121 — Modern Algebra II, Galois Theory
 Fall 2012 Math 51 ACE — Multivariable calculus and linear algebra. Special two hour section, coordinated with engineering diversity program (ACE).
 Spring 2011 Math 51 — Multivariable Calculus and Linear Algebra
 Winter 2011 Math 116 — Complex Analysis
 Spring 2010 Math 151 — Differential Topology
 Fall 2009 Math 51 — Multivariable Calculus and Linear Algebra
 Spring 2009 Math 20 — Integral Calculus
 Fall 2008 Math 52A — Advanced Multivariable Calculus

CONFERENCES
 ATTENDED

Midwest Topology Seminar. September 17-18, 2016 Purdue University, West Lafayette, Indiana.
 Reimagining the Foundations of Algebraic Topology. April 7-11, 2014. MSRI, Berkeley, California.
 Introductory Workshop, Algebraic Topology. January 27-31, 2014. MSRI, Berkeley, California.
 Workshop on Equivariant, Chromatic and Motivic Homotopy Theory. March 25-29, 2013. Northwestern University, Evanston, Illinois.
 Midwest Topology Seminar. October 27-28, 2012. Michigan State University, East Lansing, Michigan.
 The Legacy of Daniel Quillen: K-theory and Homotopical Algebra. October 6-8, 2012. Cambridge, MA.
 Fourth Arolla Conference on Algebraic Topology. August 20-26, 2012. Arolla, Switzerland.
 Stanford Symposium. July 23-27, 2012. Stanford, CA.
 West Coast Algebraic Topology Summer School: Algebraic K-theory. July 16-20, 2012. Stanford, California.
 Michigan Derived Algebraic Geometry RTG Learning Workshop. May 17-19, 2012. Ann Arbor, Michigan.
 Park City Mathematics Institute : Moduli Spaces of Riemann Surfaces. July 3- July 23 2011, Park City Utah.
 Conference on Homotopy Theory and Derived Algebraic Geometry. Aug. 30 - Sept. 3 2010. Fields Institute, Toronto.
 MSRI Hot Topics: The Kervaire Invariant. Oct 25-Oct 29 2010, MSRI, Berkeley, California.
 West Coast Algebraic Topology Summer School: Homotopy Theory of Moduli Spaces. Aug 9-14 2010, University of Oregon, Eugene, Oregon.
 Copenhagen Topology Conference 2010. Jan 8 - Jan 10, 2010, Copenhagen, Denmark.

OTHER
 EMPLOYMENT

July 2007 - Jun 2008. Quantitative Analyst at Edison Mission Marketing and Trading.

COMPUTER SKILLS

Experience with Windows, Mac, and Linux machines. Programming languages: Extensive experience with Mathematica and familiarity with Matlab, Python, Haskell, Scheme (LISP), Perl. Experience with the database program FileMaker and with SQL and Microsoft Access.