

CURRICULUM VITAE

CHRISTOPHER NATHAN BRODSKY HAMMOND

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Education

University of Virginia – Charlottesville, Virginia

August 1998 to May 2003

M.S. in Mathematics: May 2000

Ph.D. in Mathematics: May 2003

Dissertation: *On the norm of a composition operator*

Dissertation advisor: Barbara D. MacCluer

University of the South – Sewanee, Tennessee

August 1994 to May 1998

B.A. *summa cum laude* in English and Mathematics, with departmental honors in both majors and a minor in Religion

Employment

Connecticut College – New London, Connecticut

Associate Professor of Mathematics

July 2009 to the present

Assistant Professor of Mathematics

July 2003 to June 2009

Courses taught: Calculus I, Calculus IIA, Calculus IIB, Intimations of Infinity (freshman seminar), Multivariable Calculus, Ordinary Differential Equations, Linear Algebra, Real Analysis I, Real Analysis II, Abstract Algebra I, Advanced Linear Algebra, Topology

Individual studies supervised: Elementary number theory, ordinary differential equations, real analysis, advanced linear algebra, measure theory and functional analysis

University of Virginia – Charlottesville, Virginia

Graduate Teaching Assistant

August 1998 to May 2003

Courses taught: Introduction to Statistics, Applied Calculus I,
Applied Calculus II, Calculus I, Calculus II

Publications

8. Norm inequalities for composition operators on Hardy and weighted Bergman spaces (with L. J. Patton), *Operator Theory Adv. Appl.*, to appear.
7. Adjoints of composition operators with rational symbol (with J. Moorhouse and M. E. Robbins), *J. Math. Anal. Appl.* **341** (2008), 626–639.
6. Zeros of hypergeometric functions and the norm of a composition operator, *Comput. Methods Funct. Theory* **6** (2006), 37–50.
5. Composition operators with maximal norm on weighted Bergman spaces (with B. J. Carswell), *Proc. Amer. Math. Soc.* **134** (2006), 2599–2605.
4. The norm of a composition operator with linear symbol acting on the Dirichlet space, *J. Math. Anal. Appl.* **303** (2005), 499–508.
3. Isolation and component structure in spaces of composition operators (with B. D. MacCluer), *Integral Equations Operator Theory* **53** (2005), 269–285.
2. Norms of linear-fractional composition operators (with P. S. Bourdon, E. E. Fry, and C. H. Spofford), *Trans. Amer. Math. Soc.* **356** (2004), 2459–2480.
1. On the norm of a composition operator with linear fractional symbol, *Acta Sci. Math. (Szeged)* **69** (2003), 813–829.

Recent Talks

July 24, 2008

College of William and Mary

International Workshop on Operator Theory and its Applications (IWOTA)

“Norm inequalities for composition operators on Hardy and weighted Bergman spaces”

January 18, 2008

University of Virginia

Seminar in Operator Theory and Operator Algebras

“Norm inequalities for composition operators on Hardy and weighted Bergman spaces”

September 8, 2007

University of North Carolina at Chapel Hill

Classical Analysis Conference

“Adjoint of composition operators with rational symbol”

August 14, 2007

Middle Eastern Technical University (Ankara, Turkey)

International Society for Analysis, its Applications and Computation (ISAAC)

Sixth International Congress

“Adjoint of composition operators with rational symbol”

April 23, 2007

Hobart and William Smith Colleges

Department of Mathematics and Computer Science

“The Hahn–Banach Theorem and the limit of a divergent sequence”

April 9, 2007

Pomona College

Analysis Seminar

“Zeros of hypergeometric functions and the norm of composition operator”

April 4, 2007

Claremont McKenna College

Claremont Mathematics Colloquium

“Composition operators on spaces of analytic functions”

March 9, 2007

California Polytechnic State University

Mathematics Colloquium

“Composition operators on spaces of analytic functions”

April 2, 2006

Fairfield University

Karim Foroud Memorial Lecture

“Dante’s mathematical universe”

October 7, 2005

El Escorial, Spain

Recent advances in operator-related function theory

(Conference in honor of Peter L. Duren)

“Zeros of hypergeometric functions and the norm of a composition operator”

July 11–14, 2005

California Polytechnic State University

Department of Mathematics

“Norms of composition operators”

April 9, 2005
Washington and Lee University
Southeastern Analysis Meeting (SEAM)
“The norm of a composition operator with linear symbol acting on the Dirichlet space”

May 20, 2004
Union College
Department of Mathematics
“Matrices, eigenvalues, and the size of a linear transformation”

April 16, 2004
Keene State College
Department of Mathematics
“The wonderful construction of the canon of logarithms”

October 24, 2003
University of North Carolina at Chapel Hill
AMS Special Session on Linear Operators on Function Spaces
“Isolation and component structure in spaces of composition operators”

July 8, 2003
Furman University
Young Analysts Meeting of the Southeast (YAMS)
“Finding the norm of a composition operator”

Other Activities

Referee for twenty-three papers submitted to mathematical journals
Reviewer for Mathematical Reviews
Contributed abstracts of books and articles to the journal *Historia Mathematica*
Serving on the Faculty Working Group on Academic Challenge at Connecticut College (May 2009 to the present)
Serving on the Academic and Administrative Procedures Committee at Connecticut College (Chair-elect from September 2007 to September 2008; Chair from September 2008 to September 2009; Member from September 2009 to the present)
Served on the Educational Planning Committee at Connecticut College, (Member from September 2004 to September 2005; Chair from September 2005 to December 2006)
Served on the Student-Designed Interdisciplinary Major Committee at Connecticut College (September 2005 to December 2006)
Served on the planning committee for the 2006 presidential inauguration at Connecticut College
Served on two tenure-track hiring committees at Connecticut College
Faculty advisor for Pi Mu Epsilon (Connecticut Epsilon)
Serving on the membership committee for Phi Beta Kappa (Delta of Connecticut)

Honors and Memberships

ExxonMobil fellow for Project NExT (New Experiences in Teaching)

Recipient of departmental Dissertation Year Fellowship (Spring 2003)

Finalist for departmental Graduate Teaching Assistant Award (Spring 2002)

Awarded Robert Hooke Prize for Achievement in Mathematics (Spring 1998)

Awarded Membership to Phi Beta Kappa (Spring 1997)