

James Stankewicz

CONTACT INFORMATION	Department of Mathematics University of Bristol Queens Avenue BS8 1SN stankewicz@gmail.com	Howard House Bristol United Kingdom stankewicz.net
EMPLOYMENT	Research Fellow, University of Bristol Fall 2014-Present Postdoctoral Fellow, University of Copenhagen Fall 2013-Summer 2014 Van Vleck Visiting Assistant Professor, Wesleyan University Fall 2012-Summer 2013 Instructor, University of Georgia Summer 2012	
EDUCATION	Ph.D., University of Georgia Mathematics, May 2012 M.S., University of Connecticut Mathematics, June 2007 B.A., University of Connecticut Mathematics, June 2005	
HONORS AND AWARDS	University of Georgia Dissertation Award, August 2011-May 2012 William Armor Wills Memorial Scholarship, May 2011 VIGRE fellowship, August 2010 - July 2011 VIGRE fellowship, August 2008 - July 2009	
RESEARCH INTERESTS	Number Theory, Algebraic and Arithmetic Geometry, Abelian Varieties, Moduli Spaces, Shimura Curves	
PEER-REVIEWED PUBLICATIONS	<i>On a Generalization of the Frobenius Number</i> with A. Brown, E. Dannenberg, J. Fox, J. Hanna, K. Keck, A. Moore, Z. Robbins and B. Samples, <i>Journal of Integer Sequences</i> 13 (2010) 10.1.4 <i>Unbounded discrepancy in Frobenius Numbers</i> with J. Shallit, <i>INTEGERS: Electronic Journal of Combinatorial Number Theory</i> 11 (2011) A2 <i>sln Level 1 Conformal Blocks Divisors on $M_{0,n}$</i> with M. Arap, A. Gibney and D. Swinarski, <i>International Mathematics Research Notices</i> (2012) Volume 2012 (7): 1634-1680. <i>Torsion Points on Elliptic Curves with Complex Multiplication (with an appendix by Alex Rice)</i> with P. L. Clark and B. Cook, <i>International Journal of Number Theory</i> 9 (2013), 447-479. <i>Twists of Shimura Curves</i> , <i>Canadian Journal of Mathematics</i> 66 (2014), no. 4, 924-960.	

Integer Solutions to Box Optimization Problems, with Vincent Coll, Jeremy Davis, Martin Hall, Colton Magnant, and Hua Wang, *College Mathematics Journal* 45 (2014), 180-190.

Computations on CM Elliptic Curves with P. L. Clark, P. Corn, and A. Rice, *LMS J. Comput. Math.* 17 (1) (2014) 509-535.

Torsion on CM elliptic curves over real number fields, with A. Bourdon and P.L. Clark, submitted

On the non-commutative endomorphism rings of abelian surfaces, submitted

DOCTORAL THESIS *Twists of Shimura Curves* supervised by Pete L. Clark and Dino J. Lorenzini

INVITED TALKS
AND RESEACH
VISITS

- London-Paris Number Theory Seminar, Paris, November 2014
- University of Warwick, September 2014
- Humboldt University Berlin, January 2014
- Pennsylvania State University, January 2014
- University of Louisiana, Lafayette, March 2013
- Bates College, March 2013
- MIT, February 2013
- Eastern Connecticut State University, February 2013
- University of Bristol, January 2013
- University of Connecticut, October 2012
- City University of New York, February 2012
- University of Connecticut, October 2012
- Palmetto Number Theory Series XVI, Emory University, September 2011
- Maine-Québec number theory conference, University of Maine, October 2011
- Algebraic geometry and number theory seminar, Johns Hopkins University, November 2011
- Special Session: Rational points on varieties, Joint meetings of the American Mathematical Society, Boston, January 2012
- Special Topics in Arithmetic, Geometry, Etc., MIT, November 2011
- Ramification in Algebra and Geometry at Emory, Emory University, May 2011
- Palmetto Number Theory Series XIV, University of South Carolina, December 2010
- Palmetto Number Theory Series VII, College of Charleston, October 2008
- Southeast Regional Meeting on Numbers, Clemson University, April 2008

TEACHING
EXPERIENCE

University of Bristol Bristol, UK

Instructor

- Topics in Modern Geometry (Hyperbolic Geometry), Fall 2015, roughly 25 students

Wesleyan University Middletown, Connecticut, USA

Instructor

- Single Variable Calculus, Math 121, Fall 2012, roughly 40 students
- Multivariable Calculus, Math 222, Fall 2012, roughly 40 students
- Topics in Algebra II, Math 574, Spring 2013, graduate course

University of Georgia, Athens, Georgia USA

Project Assistant

- Supervised research by undergraduates on the Frobenius Problem in IVRG led by Dino Lorenzini, Fall 2008

Instructor

- Calculus course of roughly 25 students, Math 2200, Summer 2012
- Calculus course of roughly 40 students, Math 2200, Fall 2009
- Calculus course of roughly 20 students, Math 2200, Spring 2008
- PreCalculus class of roughly 40 students, Math 1113, Fall 2007

Grader

- Graded for Jon Hanke's cryptology class, Spring 2010
- Graded for Michael Ching's algebraic topology class, Spring 2010
- Graded for Dino Lorenzini's cryptology class, Fall 2007

University of Connecticut, Storrs, Connecticut USA

Instructor

- Math 105, a Business math class of roughly 30 students, Spring 2007

Teaching Assistant

- Two sections of Calculus I, Math 112, Fall 2005
- Two sections of Calculus II, Math 113, Spring 2006
- Two sections of Calculus I, Math 112, Fall 2006

CAP Tutor

- Tutored students from at-risk communities in Connecticut who were conditionally accepted to the University of Connecticut, Summer 2006 and 2007

Tutor

- Tutored undergraduate students at the UConn Q-Center, Fall 2005 - Spring 2007

SERVICE

Conference/Masterclass Organizer

- Sage Days 61, Copenhagen, Denmark, August 2014

Department representative

- London Mathematical Society

Reviewer

- Math Reviews

Journal Referee

- Pacific Journal of Mathematics
- Mathematics of Computation
- International Journal of Number Theory
- Research in Number Theory
- Experimental Mathematics

Sage Development

- Wrote code in `sage`.
- Reviewed code for input into `sage` via the `trac` server.

Complex Analysis Qual Preparation

- Met once a week with students studying for the Complex Analysis Qualifying Exams, answering questions and posing problems, Summer 2010

Undergrad Research Symposium Preparation

- Supervised preparation for a student talk, “On a Generalization of the Frobenius Number” at the March 2010 Symposium for the University of Georgia’s Center for Undergraduate Research Opportunities and gave opening remarks.

TECHNICAL SKILLS Programming: Python

Applications: \LaTeX , magma, sage, Macaulay, Maple

Translation Experience: French, German