

ZIVA KAYE MYER

Department of Mathematics, Bryn Mawr College
101 N. Merion Ave, Bryn Mawr, PA 19010
zmyer@brynmawr.edu

December 15, 2015

EDUCATION

- Ph.D., Mathematics, Bryn Mawr College (BMC), (expected) May 2017
 - Advisor: Lisa Traynor
 - Dissertation Topic: A-infinity Structures for Legendrians with Generating Families
 - Preliminary Examinations Passed Dec. 2014
- B.A., Mathematics/Physics, New College of Florida, May 2011
 - Thesis: An Algebraic Combinatorial Approach to Discovering Properties of Sudoku Graphs using Association Schemes

AWARDS AND FELLOWSHIPS

- Teaching Assistanship, BMC, 2015–2016
- Enhancing Diversity in Graduate Education (EDGE) Mentor, Summer 2015
- Research Fellowship, BMC, 2014–2015
- Teaching Assistanship, BMC, 2011–2014

PRESENTATIONS

- Temple Graduate Student Seminar, *Product Structures for Legendrians from Generating Families*, Nov. 2015
- Philadelphia Area Contact/Topology (PACT) Seminar, *Sheaves and Legendrian Knot Theory*, with Joshua Sabloff, Nov., Dec. 2015
- Tech Topology Conference, *An A-infinity structure for Legendrians from Generating Families*, Lightning Talk, Dec. 2015

FUNDED PARTICIPATION IN WORKSHOPS, PROGRAMS, AND CONFERENCES

- Tech Topology Conference, Georgia Institute for Technology, Dec. 2015
- Summer School in Moduli Problems in Symplectic Geometry, IHÉS, Bures-sur-Yvette, France, Summer 2015
- Redbud Topology Conference, Oklahoma State University, April 2015
- MSRI, Graduate Summer School: Algebraic Topology, Guanajuato, Mexico, Summer 2014
- Banff International Research Station, Parameterized Morse Theory Banff, AB, Canada, March 2014
- Graduate Student Topology and Geometry Conference, Notre Dame University, April 2013
- Redbud Topology Conference, University of Arkansas, March 2013
- Program for Women and Mathematics, 21st Century Geometry Institute for Advanced Study, Princeton, NJ, Summer 2012
- Topology Students Workshop, Georgia Institute for Technology, Summer 2012
- Enhancing Diversity in Graduate Education (EDGE) FAMU, Tallahassee, FL, Summer 2011

SEMINARS REGULARLY ATTENDED

Philadelphia Area Contact/Topology (PACT) Seminar
Bryn Mawr College, Fall 2011 to present
Philadelphia Area Topology (Contact/Hyperbolic) (PATCH) Seminar
University of Pennsylvania, Temple University,
and Bryn Mawr and Haverford Colleges, 2012 to present
Graduate Student Seminar, Temple University, Fall 2015 to present
Lie Group Seminar, organizer, Bryn Mawr College, Spring 2014

TEACHING EXPERIENCE

Guest Lecturer, Bryn Mawr College
Knot Theory and its Applications, Fall 2015
Abstract Algebra II, Spring 2014
Teaching Assistant, Bryn Mawr College
Abstract Algebra I, Fall 2015
Abstract Algebra II, Spring 2014
Abstract Algebra I, Fall 2013
Real Analysis II, Spring 2013
Real Analysis I, Fall 2012
Linear Algebra, Spring 2012
Multivariable Calculus, Fall 2011
Private Tutor, Greater Philadelphia Area, 2012–2013
Tutor, Quantitative Resource Center, New College of Florida, 2007 - 2011

PROFESSIONAL SERVICE AND PRESENTATIONS FOR YOUNGER STUDENTS

Graduate Student Recruiting, Graduate School Fair, Joint Math Meetings, Seattle, WA 2016
Graduate Student Representative, Mathematics Hiring Committee, BMC, Fall 2014
Distressing Math Collective, Bryn Mawr College (BMC)
The Topology of Impossible Spaces, March 2015
Generating Families for Legendrians, April 2014
*You Cantor Ways Get What You Want – Cantor Sets, The Cantor Function,
and How Calculus Lied to You*, March 2013
*Legendary Legendrians: On the Cusp of Understanding Legendrian
Knots*, Sept. 2012
Sudoku Scheming: A Combinatorial Analysis of Sudoku Graphs, Sept. 2011
CATALYST Conference, Swarthmore College, PA, March 2013
Honeycombs and Infinite Soccer Balls: Euclidean and Non-Euclidean Tessellations

PROFESSIONAL MEMBERSHIPS

American Mathematical Society