

EDUCATION

Ph.D. Mathematics (*In Progress*)Bryn Mawr College; *Advisor*: Paul Melvin

Sep 2016- Present

M.A. MathematicsBryn Mawr College; *Advisor*: Paul Melvin; *Thesis*: On Fiberings 3-manifolds

May 2018

B.S. Mathematics

University of Wisconsin La Crosse

Sep 2012 - May 2016

TEACHING EXPERIENCE

Bryn Mawr College

Teaching Assistant

Bryn Mawr, PA

Sep 2016 - Present

Courses: Abstract Algebra (I & II), Analysis (I & II), History of Mathematics,
Theory of Probability, Point-Set Topology*Duties*: lead regular problem sessions, grade, assist lectures**Murphy Learning Center**

Math Tutor

La Crosse, WI

Jan 2013 - May 2016

Courses: Algebra, Precalculus, Applied Calculus, Calculus (I, II, & III)*Duties*: Assist students with coursework, attend/lead tutor training programs

RESEARCH INTERESTS

Low-dimensional topology: smooth 4-manifolds, Kirby calculus, knot theory, Khovanov homology,

PUBLICATIONS

Robert F. Allen and Isaac M. Craig, *Multiplication operators on weighted Banach spaces of an infinite tree*,
Bulletin of the Korean Mathematical Society, 54:3 (2017), 747-761

INVITED TALKS

An Introduction to Manifolds, Mathematics and Statistics Club, UW La Crosse (Nov 2018)

CONTRIBUTED TALKS

Knot Traces and Sliceness, UI Urbana-Champaign (Mar 2019), King's College (Mar 2019)**On Fiberings 3-Manifolds**, Bryn Mawr College (Apr 2018), Temple University (Mar 2018)**Multiplication Operators on Weighted Banach Spaces of a Tree**, UW La Crosse (Mar 2016), Joint
Mathematics Meeting in Seattle (Jan 2016)**Your Daily Dose of Fiber (Bundles)**, Bryn Mawr College (Apr 2018)**Brouwer Fixed Point Theorem**, UW La Crosse (Apr 2017), Bryn Mawr College (Feb 2017)**On the Classification of Surfaces**, UW La Crosse (Dec 2015)**Multiplication Operators on Weighted Banach Spaces of a Tree**, UW La Crosse (Mar, Oct 2015)

CONFERENCES & WORKSHOPS

*Received partial or full external funding by program.

Gradute Student Topology and Geometry Conference (GSTGC)* University of Illinois at Urbana-Champaign	Champaign, IL Mar 2019
MSRI Summer Graduate School on H-Principles* Tambara Institute, University of Tokyo, Japan	Gunma Prefecture, Japan Jun-Jul 2018
Summer 2018 Geometry/Topology RTG mini-conference Princeton University	Princeton, NJ Jun 2018
Topology Student Workshop* Georgia Institute of Technology	Atlanta, GA Jun 2018
Graduate Student Conference in Algebra, Geometry, & Topology Temple University	Philadelphia, PA Jun 2018
EPaDel MAA Meetings Temple University (Mar 2018), King's College (Mar 2019)	East PA & DE Mar 2018 - Present
Joint Mathematics Meeting Seattle, WA	Seattle, WA Jan 2016

REGULAR RESEARCH SEMINARS

Philadelphia Area Contact Topology (PACT) Bryn Mawr College	Bryn Mawr, PA Nov 2016 - Present
Philadelphia Area Topology Contact/Hyperbolic (PATCH) Bryn Mawr College, Haverford College, Temple University, University of Pennsylvania	Philadelphia Area Nov 2016 - Present

SERVICE

Graduate Student Association (GSA) Co-Chair (2017-19) and Department Representative (2019 -) <i>Duties:</i> lead monthly GSA meetings, organize events and annual seminars, represent the GSA on Bryn Mawr College councils, committees, and boards	Bryn Mawr, PA Sep 2017 - present
Graduate Group of Sciences & Mathematics Professional Development Seminar Organizer	Bryn Mawr, PA Apr 2018 - May 2019
AMS Graduate Student Chapter President	Bryn Mawr, PA Apr 2018 - Present
UW La Crosse Mathematics & Statistics Club President	La Crosse, WI Sep 2015 - May 2016
FastTrack Remedial Mathematics Camp Tutor and Staff	La Crosse, WI Aug 2015
Girls in Science Day Camp Teaching Assistant and Staff	La Crosse, WI June 2015

AWARDS, FELLOWSHIPS, & HONORS

Bryn Mawr College Convocation Speaker, Representing the GSA

Bryn Mawr College

Sep 2018

McPherson Graduate Award for Excellence

Bryn Mawr College

May 2018

Department of Mathematics Outstanding Service Award

UW La Crosse

Sep 2015 - May 2016

SIAM Outstanding Efforts & Accomplishments in the Chapter

UW La Crosse

Sep 2015 - May 2016