TOM EDGAR
Curriculum Vitae

Department of Mathematics
Pacific Lutheran University
Tacoma, WA

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EDUCATION

Ph.D., Mathematics, August 2009, University of Notre Dame, Notre Dame, Indiana
- Ph.D. Thesis: *Dominance and Regularity in Coxeter Groups*
- Ph.D. Advisor: Matthew Dyer

M.S., Mathematics, May 2004, Colorado State University, Fort Collins, Colorado
- M.S. Thesis: Finite Projective Geometries and Linear Codes
- M.S. Advisor: Anton Betten

B.S. Mathematics (summa cum laude), February 2002, Dickinson College, Carlisle, Pennsylvania

ACADEMIC POSITIONS

DEPARTMENT OF MATHEMATICS, PACIFIC LUTHERAN UNIVERSITY
- Associate Professor, Fall 2015-present.
- Assistant Professor, Fall 2009-Spring 2015.

EPSILON CAMP, OGDEN, UT AND COLORADO SPRINGS, CO
- Faculty member, Summer 2018, Summer 2019.

DEPARTMENT OF MATHEMATICS, SEATTLE UNIVERSITY
- Visiting Faculty Mentor for NSF SUMmER Program, Summer 2016, and Summer 2017.

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF NOTRE DAME
- Graduate Teaching Assistant, Fall 2004-Spring 2009.

DEPARTMENT OF MATHEMATICS, COLORADO STATE UNIVERSITY
- Graduate Teaching Assistant, Fall 2002-Summer 2004.

TEACHING EXPERIENCE

PACIFIC LUTHERAN UNIVERSITY - Professor
- M105: Personal Finance
- M107: Mathematical Explorations
- M115: College Algebra
- M128: Linear Models and Calculus
- M151: Calculus I
- M152: Calculus II
- M245: Discrete Structures
- M253: Calculus III
- M317: Introduction to Proofs
- M331: Linear Algebra
- M381: Problem Solving Seminar
- M381: Mathematical Modeling Seminar
- M433: Abstract Algebra
- M480: Enumerative Combinatorics
- M480: Providing the Proofs for PWW
- M495: Algebraic Topology Independent Study
- M499: Senior Capstone

UNIVERSITY OF NOTRE DAME - Instructor
- M10360: Calculus B (for Life Sciences)
- M10240: Principles of Calculus
- M10250: Elements of Calculus I (for Business)

COLORADO STATE UNIVERSITY - Instructor
- M130: Math for Social Sciences
- M161: Calculus II for Physical Sciences
- M155: Calculus I for Biological Sciences
- M124: Logarithms and Exponents
- M125: Numerical Trigonometry
- M126: Analytic Trigonometry

NSF RESEARCH EXPERIENCE FOR TEACHERS - Workshop Leader
- Voting Theory with Linear Algebra Workshop
- Number Theory and Symmetry Workshop
- Probability and Statistics Workshop

UNIVERSITY OF NOTRE DAME - Teaching Assistant

M20550: Calculus III
M10350: Calculus A
M10560: Calculus II,
M13150: Freshman Seminar: Number Theory

UNIVERSITY OF NOTRE DAME - Undergraduate Reading Seminar Leader

Coxeter Groups and Finite Reflection Groups,

COLORADO STATE UNIVERSITY - Teaching Assistant/Tutor in Individualized Mathematics Program

PUBLICATIONS - * INDICATES UNDERGRADUATE

Combinatorics of factorial base representations, with T. Ball, J. Beckford*, P. Dalenberg* and T. Rajabi*, submitted to JIS.
Combinatorics of Zeckendorf representations, with T. Ball, R. Chaiser*, D. Dustin* and P. Lagarde*, to appear in Involve.
A visual proof of Gregory's theorem, with D. Richeson, to appear in Math Mag.
A factorial card trick, to appear in Math Horizons.
Proof without words: binomial coefficients modulo p, to appear in Math Mag.
Proof without words: sums of even and odd powers, to appear in Math Mag.
Visual decompositions of polygonal numbers, to appear to CMJ.
"Sum" visual rearrangements of the alternating harmonic series, with Yajun An, to appear in CMJ.
The First 100 issues, Math Horizons. November 2018.
Proof without words: Abel's transformation, with Y. An, Math. Mag. 91 (2018), no. 4.
Roger Nelsen's books, so far, College Math. J. 49 (2018), no. 4.
On the number of hyper m-ary partitions, Integers. 18 (2018), A47.
Counting binomial coefficients divisible by a prime power, with P. de Castro*, D. Domini*, S. Klee, D. Johnson*, and R. Sundaresan* The Amer. Math. Monthly 125 (2018), no. 6.
Consecutive factorial base Niven numbers, with P. Dalenberg*, The Fibonacci Quarterly, **56** (2018) no. 2.
Staircase series, Math Mag. 91 (2018), no. 2.
Proof without words: Rearranged alternating harmonic series, with Y. An, College Math. J. 49 (2018), no. 1.
Digital representations of rows of Pascal's triangle with no entries divisible by a fixed prime power, with P. de Castro*, D. Domini*, S. Klee, D. Johnson*, and and R. Sundaresan*, in Pi Mu Epsilon 14 (2017), no. 7.
The dist. of the number of parts of m-ary partitions mod m, Rocky Mountain J. Math. 47, no. 6 (2017).
Proof without words: series of perfect powers, Math Mag. 90 (2017), no. 4.
Happiness is integral, but not rational, with A. Bland*, Z. Cramer*, P. de Castro*, D. Domini*, S. Klee, D. Johnson*, J. Koblitz*, and R. Sundaresan*, Math Horizons. September 2017.
A visual validation of Viéte's verification, with N.C. Meyer, College Math J. 48 (2017), no. 2.
Proof without words: a recursion for triangular numbers and more, Math Mag. 90 (2017), no. 2.
Proof without words: Factorial sums, Math Mag. 89 (2016), no. 5.
Proof without words: the average of square pyramidal and triangular is tetrahedral, Math. Gaz. 100 (2016), no. 549.
Approximating the Fibonacci sequence, with H. Olafson* and J. van Alstine*, Integers. 16 (2016), A63.
Proof without words: matchstick triangles, College Math. J. 47 (2016), no. 3.
Proof without words: sums of powers of $\frac{4}{9}$, Math Mag. 89 (2016), no. 3.
Proof without words: sums of reciprocals of binomial coefficients, Math Mag. 89 (2016), no. 3.
A confused electrician uses Smith normal form, with J.K. Sklar, Math Mag. 89 (2016), no. 1.
Extending some Fibonacci–Lucas relations, The Fibonacci Quarterly, **54** (2016) no. 1.
Mult. funcs. and their gen. bin. coeffs. and Catalan numbers, with M. Spivey, J. of Integer Sequences, **19** (2016), Art. 16.1.6.
On the structure of involutions and symmetric spaces of dihedral groups, Note Mat. **34** (2014) no. 2, 23–40.
Totienomial coefficients, Integers. 14 (2014), A62.
Cryptographic word search, with A. Lloyd*, Math Horizons. November 2014, 26-27.
Dominance orders, generalized binomial coefficients, Kummer's thm, with T. Ball* and D. Juda*, Math Mag. 87 (2014), no. 2.
Universal reflection subgroups and exponential growth in Coxeter groups, Comm. in Algebra. **41** (2013), no. 4, 1558-1569.
A case-free characterization of hyperbolic Coxeter groups, J. of Group Theory. **14** (2011), no. 5, 777-782.
Reduced expressions in semidirect products of Coxeter groups, J. of Group Theory. **13** (2010), no. 1, 109-115.

Dominance and Regularity in Coxeter Groups, Ph.D. Thesis, University of Notre Dame (2009).
Sets of reflections defining twisted Bruhat orders, J. Algebraic Combin. **26** (2007), no. 3, 357-362.

Grants and Awards

Benson-Starkovich Faculty Development Grant, Pacific Lutheran University, 2019.
Received $1700 award to attend the Illustrating Algebra and Number Theory workshop at ICERM in October 2019.
Regency Advancement Award, Pacific Lutheran University, 2017.
Received $4000 award to have PLU student participate alongside NSF REU at Seattle University in Summer 2017.
Faculty-Student Research Award, Scandinavian Cultural Center at Pacific Lutheran University, 2015.
Received $2000 to work with undergraduate to investigate contributions of Scandinavian mathematicians.
Regency Advancement Award, Pacific Lutheran University, 2015.
Received $3990 award for department and students to attend the Joint Mathematics Meetings in Seattle, WA.
NSCI Undergrad Research Program, Pacific Lutheran University, Summer 2014.
Received $16,440 to act as Summer Undergraduate Research Mentor with two PLU undergraduates.
Academy of Inquiry Based Learning Small Grant, Academy of Inquiry Based Learning, 2013.
Received $1500 to develop course notes to run M480: Enumerative Combinatorics in IBL style.
NSF Grant DMS-0846477 through the MAA RUMC program, MAA/NSF, 2013.
Received $2990 award for hosting the Northwest Undergraduate Mathematics Symposium.
American Institute of Mathematics Travel Grant, Palo Alto, CA, Summer 2012.
Received $500 to travel to MathFest with undergraduate researchers.
Regency Advancement Award, Pacific Lutheran University, 2012.
Received $4000 award for installing a Sage server at Pacific Lutheran University.
NSCI Undergrad Research Program, Pacific Lutheran University, Summer 2012.
Received $16,440 to act as Summer Undergraduate Research Mentor with two PLU undergraduates.
Teaching and Learning with Technology Grant, Pacific Lutheran University, Fall 2011.
Received a one-course release (in lieu of $5000) to implement the use of Sage in M331: Linear Algebra.
American Institute of Mathematics Workshop, Palo Alto, CA, Summer 2011.
Received full funding to attend the week-long "Research experiences for undergraduate faculty" workshop.

Related Work Experience

Authored OEIS Sequences

A187813, A214681, A228179, A234957, A226636, A226969, A227062, A227080, A235384, A227092, A227095, A227238, A234959, A235127, A238453, A238498, A238688, A238743, A238754, A239682, A239619, A239702, A239672, A239633, A239695, A239694, A239692, A239691, A239690, A239693, A242848, A242849, A242954, A243756, A243757, A243758, A243759, A245321, A245338, A245345, A245350, A245355, A245400, A245417, A245420, A245425, A245430, A245798, A246458, A246465, A246466, A253628, A254609, A255199, A255219, A254730, A247503, A248101, A248909, A255914, A255915, A253203, A256799, A257087, A258073, A258074, A260119, A261640, A261691, A267959, A268081, A268127, A268128, A267856, A268269, A268354, A268355, A268357, A268443, A268444, A270360, A270390, A270774, A270775, A262354, A272079, A272080, A272177, A272178, A272328, A272329, A272344, A272270, A273000, A273035, A273036 A273181, A273183, A273184, A273317, A273338, A273867

AP Calculus Exam Reader, College Board, 2005

Helped to develop MapleTA for the Trigonometry Intensive Review at Colorado State University, 2004

Coauthor of "Instructor Resources for Workshop Calculus," Key College Publishing, 2000-2002

Agentsmart LLC - Developed math problems for a computer-learning precalculus tutorial, 2002

Whitaker Research Grant, Assistant, Dickinson College, 2001
http://users.dickinson.edu/ richesod/waves/

PRESENTATIONS

Invited

Dickinson College Math/CS Chats, Dickinson College
No Numeration without Representation, January 2019

Mathematics Seminar, University of Washington, Tacoma
No Numeration without Representation, April 2018

Keynote Speaker, Western Washington Community College Student Mathematics Conference at Bellevue College
No Numeration without Representation, February 2018

Colloquium, Seattle University
Generalized Binomial Coefficients via the Dominance Order on Natural Numbers, October 2014

Colloquium, University of Puget Sound
Generalized Binomial Coefficients via the Dominance Order on Natural Numbers, October 2013

Dickinson College Math/CS Chats, Dickinson College
A Fascinating Connection Between Number Theory and Combinatorics, October 2013

International Linear Algebra Society - 2013 Meeting (*Linear Algebra Education Issues*), Providence, Rhode Island
Flipping the Technology in Linear Algebra, June 2013

Teaching Seminar, University of Notre Dame
Picking up the SLAC: Life at a small liberal arts college, April 2013

Colloquium, University of Puget Sound
Rock the Vote or Vote the Rock, October 2012

Colloquim, Western Washington University
Coxeter Groups and Root Systems via Automatic Structures, February 2012

Colloquium, University of Puget Sound
Connecting the Dots: Posets and Inversion to Understand Finite Sums, Combinatorics and Number Theory, April 2010

Colloquium, Kalamazoo College
Unlocking the Mysterious Möbius Function, November 2008

Contributed

PNW Sectional Meeting of the MAA, University of Portland, Portland
A visual decomposition of even polygonal numbers, April 2019

Joint Meetings of the AMS and MAA, San Diego, CA
An inquiry-based approach to elementary number theory via proofs without words, January 2018

Joint Meetings of the AMS and MAA, Seattle, WA
Confused Electrician Games, January 2016

PNW Sectional Meeting of the MAA, University of Washington, Tacoma
Families of Generalized Catalan Numbers, April 2015

Faculty Developement Workshop Series, Pacific Lutheran University
Improving Pedagogy in the Classroom–the Interactive Lecture, October 2014

MAA MathFest 2014, Portland, OR
6959 Open Problems for Undergraduates, August 2014

PNW Sectional Meeting of the MAA, University of Montana
Totienomial Coefficients, June 2014

Faculty Scholarship Lecture Series, Pacific Lutheran University
The Mathematics Behind Mathematical Modeling, November 2016
Incorporating Technology in Linear Algebra, November 2012

PNW Sectional Meeting of the MAA, University of Portland
Symmetric Spaces of Dihedral Groups, April 2012

Joint Meetings of the AMS and MAA, Boston, MA
Web 2.0 for Linear Algebra Classes, January 2012

Western Sectional Meeting of the AMS, University of Utah

A Conjectural Normal Form for Elements of Coxeter Groups, October 2011

PNW Sectional Meeting of the MAA, Seattle University

Adopt-a-Group Project with a Course Wiki, April 2010

Mathematics Seminar, Pacific Lutheran University

What Color is Your Molecule (with Justin Lytle), March 2016
Generalized Binomial Coefficients via the Dominance Order on Natural Numbers, February 2014
Rock the Vote or Vote the Rock, September 2012
An Introduction to the Beamer package for LaTeX, November 2011, November 2012
How to use LaTeX, October 2010, September 2011, September 2012, September 2013
Abstract Algebra in our World, October 2009

Algebra Seminar, University of Notre Dame

Coxeter Groups and Automata, October 2008
Hecke Algebras and Kazhdan-Lusztig Polynomials, March 2005
Coxeter Groups, Root Systems, and Bruhat Order, February 2005

Indiana Sectional Meeting of the MAA, St. Mary's College

An Introduction to Posets and Möbius Inversion, March 2008

Commutative Algebra Seminar, University of Notre Dame

Twisted Bruhat Orders and Shellability, December 2006

Graduate Student Seminar, University of Notre Dame

Rock the Vote or Vote The Rock, October 2008
Root Systems for the Infinite Dihedral Group, April 2007
Wild Weyl and Twisted Bruhat, October 2007

Rocky Mountain Algebraic Combinatorics Seminar, Colorado State University

Linear Codes and Finite Projective Geometries, April 2004

Honors, Awards, and Memberships

Honors

Phi Beta Kappa Pi Mu Epsilon

Awards and Scholarships

The Distinguished Teaching Award for the Pacific Northwest Section of the MAA, 2019
Kaneb Center Outstanding Graduate Student Teacher Award, University of Notre Dame, 2007
Striving For Excellence in Teaching Certification, Kaneb Center, 2004-2008
University Graduate Fellowship Award, Colorado State University, 2002
The Lance E. Kohlhaas Memorial Prize in Mathematics, Dickinson College, 2002
Caroline H. Clarke Scholarship for Mathematics (2), Dickinson College, 2000-2002
Benjamin Rush Scholarship, Dickinson College, 1998-2002

Memberships

American Mathematics Society, 2002-2016
Mathematical Association of America, 2006-Present

Undergraduate Research Projects and Capstones Advised

Research Projects

NSF SUMmER Program (REU) at Seattle University Summer 2017, with Rachel Chaiser, Dean Dustin, and Paul Lagarde (co-mentor Tyler Ball).

Awarded "Outstanding" Poster at the MAA Poster Session at JMM 2018.

NSF SUMmER Program (REU) at Seattle University Summer 2017, with Joanne Beckford, Paul Dalenberg, and Tina Rajabi (co-mentor Tyler Ball).

Scandinavian Cultural Center Faculty-Student Research, 2016-2017, with Benjamin Haffly.

NSF SUMmER Program (REU) at Seattle University Summer 2016, with Philip de Castro, Desiree Domini, Devon Johnson, and Ranjani Sundaresan (co-mentor Steven Klee).

NSF SUMmER Program (REU) at Seattle University Summer 2016, with Andre Bland, Zoe Cramer, and Joseph Koblitz (co-mentor Steven Klee).

PLU NSCI Undergrad Research Program Summer 2014, with Hailey Olafson and James Van Alstine.

Olafson, H. and J. Van Alstine, "Elementary construction of rational base representations," in preparation.

PLU NSCI Undergrad Research Program Summer 2012, with Tyler Ball and Dan Juda.

Ball, Tyler and Dan Juda, "Dominance over $\mathbb{N}$," Rose-Hulman Undergraduate Mathematics Journal.

Capstones Advised

2018-2019	*An Exploration of Egyptian Fractions*, Seth Chapman *Chutes, Ladders, and Chains*, Kevin Dang *Error Detection and Correction Through Linear Algebra*, Kate Morgan *Error-Correcting Codes in Hamming Spaces*, Justin Pennington *Complex dynamics: understanding the Mandelbrot and Julia sets*, Cameron Raber (co-advisor) *A Survey of Generating Functions*, Alex Shearer *How to always win the game of Nim*, Ryan Sturdivan
2017-2018	*Spot it!*, Sian Beck *Chebyshev Polynomials*, Paul Dalenberg *Stern-Brocot Tree*, Matthew Dixon *Frieze Patterns*, Caroline Dreher *Kirkman's School Girls*, Megan Hall *The Cap Set Problem*, Curtis Sorgenfrey
2016-2017	*Testing for compositeness*, Miguel Amezola *Mathematics in RSA Cryptosystem*, Hannah Bortel *Division algorithm for polynomials*, Leanna Davis *Lie groups and Lie algebras*, Jason Gomez *The Prouhet-Thue-Morse sequence*, Benjamin Haffly *Quadratic Reciprocity Law*, Kenyah Huskey *Multinomial coefficients and divisibility by prime powers*, Devon Johnson *Group theory applied to chemistry*, Ashlee McGovern *That's not fair! Who really won the election?*, Devin Tracy
2014-2015	*Group actions on sets and how it relates to combinatorics*, Kyle Geinzer *Investigating elusive perfect numbers*, Owen Hunt *The Lucas numbers*, Daisy Johnson *q-Analogs and the equidistribution of t-subset sums modulo m*, Noah Kime *Linear/Integer programming*, Rachel Kinkella *Latin squares and their relevance to Sudoku puzzles*, Mathilde Moller *Generalizing valuation maps to rational base representations*, James Van Alstine
2013-2014	*Direct products of cyclic groups*, Lewis Hitchiner *The transfer matrix method*, Andrew Lloyd *Light's Out-type problems*, Ashley Morrison *Applications of block designs and the Hamming code*, Hailey Olafson *Symmetry point group classification and construction*, Victoria Richmond *The (n,q,k)-liar game*, Peter Rise (co-advisor) *The "interestingness" of numbers viewed through the lens of Sloane's gap*, Lance Winchell *Public key cryptosystems*, Leanna VanZanten

2012-2013	*Can every tree be graceful?*, Tyler Ball *Properties of Aut*$(\mathbb{Z}_n \times \mathbb{Z}_n)$, Dan Juda *Equivalence relations*, Jym Kinney (co-advisor) *Vertex coloring of graphs*, Rita Than
2011-2012	*Perfect information games*, Matthew Christopher (co-adviser) *Square roots of 1 modulo n*, Andrew Clear *RSA encryption*, Rachael Devlaeminck *The Stirling numbers*, Stacey Hagensen *Voting*, Eric Herde
2010-2011	*Dance and mathematics*, Monica Boldizsar *Deciphering the secrets of cryptography*, Andrew Carpenter *Finite state automata and automata theory*, Daniel Case *The Riemann hypothesis*, Janessa Gramson *An analysis of communications between the Mars rover and Earth*, Graham Malek (co-adviser) *The complexities of voting*, Linda Nusser *Pairs of circles and their intersections*, Sam Rise (co-adviser)
2009-2010	*Galois theory and its applications*, Ahmed Benkhalti *Fermat's last theorem*, Dustin Hunt *Permutation groups acting for the Enigma machine*, Shallan Ley *Error correcting codes*, Shayne Smith

Service

Pacific Lutheran University

Member of Core Theme Three Accreditation Committee, 2018-2019
New faculty teacher mentoring, 2018
Member of the Faculty Executive Committee, 2018-2019
Member of the ARTS Committee, 2017-2020; Secretary, 2017-2018; Chair 2018-2019
ARTS Representative to SEMAC, 2017-2019
Division of Natural Sciences Representative to General Education Council, 2016-2017
Explore! Retreat Facilitator, January 2014
Common Reading Book Selection Committee, Spring 2013-Spring 2015
Secretary of Areté Society, Fall 2012-Spring 2016
Member of Long-Range Planning Committee, Spring 2012
President's and Regents' Scholarships Interviewer, Spring 2012, 2013, 2014, 2018, 2019
Mathematics Curriculum Committee Member, 2009-2017 (Chair 2012-2014)
Major Advisor, Spring 2010-present
First-Year and Transfer Advisor, Fall 2010-present
Department Webmaster, Fall 2009-present
Mathematics Seminar Coordinator, 2010-2011
Math Club Advisor, Fall 2009-Fall 2016
Putnam Exam Advisor, Fall 2010, 2011, 2012, 2013
Mathematical Modeling Contest Advisor, Spring 2011
Academic Festival Coordinator, 2011
Climbing Club Advisor, 2017-2018
Smash Club Advisor, 2010-2011
MESA Day Judge, Spring 2011
Math Day Workshop Coordinator, Fall 2011
Mathematics Tutor, Lincoln Center at Lincoln High School, Fall 2011

Mathematics Community

Editorial board member for Math Horizons, October 2017-December 2019
Co-organizer for MAA Contributed Paper Session: "Addressing the Needs of Mathematics and Computer Science Majors in Discrete Mathematics Courses," at the Joint Mathematics Meetings in Seattle, WA, January 2016
Peer Reviewer for Discrete Mathematics (1 time).

Peer Reviewer for Journal of Integer Sequences (4 times).
Peer Reviewer for Integers: Electronic Journal of Combinatorial Number Theory (1 time).
Peer Reviewer for PRIMUS (2 times).
Peer Reviewer for Mathematics Magazine (29 times).
Peer Reviewer for the American Mathematical Monthly (4 times).
Peer Reviewer for the College Mathematics Journal (5 times).
Volunteer at Julia Robinson Festival: Calgary, March 2015; Seattle, April 2016; Tacoma, April 2019
Grant Peer Reviewer for the American Mathematical Society, May 2014
Associate Editor for the Online Encyclopedia of Integer Sequences, March 2013-present
Co-organizer of ℕUMS Undergraduate Research Symposium, Pacific Lutheran University, April 2013
Judge for Undergraduate Poster Session, Joint Mathematics Meetings, San Diego, 2013; Seattle, 2016; San Diego 2018
Judge for Undergraduate Presentation Session, MathFest, Denver, 2018
External reviewer for promotion case at University of Alaska Southeast, 2015
External reviewer for promotion case at University of Washington Tacoma, 2018

University of Notre Dame

Organizer for Mathematics Graduate Teaching Assistants, Fall 2007-Spring 2009
Speaker, "Experiences in Teaching," Mathematics Teaching Seminar, University of Notre Dame, Spring 2008
Co-organizer for SUMR Graduate/Undergraduate Reading Seminars, Spring 2007
Panelist, Mathematics Teaching Seminar, University of Notre Dame, Spring 2007
Judge, The Northern Indiana Regional Science and Engineering Fair, Spring 2006
Graduate Representative of Parking Appeals Committee, University of Notre Dame, 2005-2006
GSU Representative to Ad Hoc Parking Committee, University of Notre Dame, 2005-2006

Conferences/Workshops Attended

MAA MathFest, Cincinatti, August 2019
PNW-MAA Annual Meeting, University of Portland, April 2019
AMS-MAA Joint Meetings, Baltimore, January 2019
MAA MathFest, Denver, August 2018
PNW-MAA Annual Meeting, Seattle University, April 2018
Western Washington Community College Student Mathematics Conferences, Bellevue, WA, February 2018
AMS-MAA Joint Meetings, San Diego, January 2018
ℕUMS, Western Washington University, October 2017
AMS-MAA Joint Meetings, Atlanta, January 2017
Combinatorial Potlatch, Seattle University, November 2016
AMS-MAA Joint Meetings, Seattle, January 2016
PNW-MAA Annual Meeting, University of Washington Tacoma, April 2015
Integer Sequences K-12, Banff International Research Station, February 2015
Combinatorial Potlatch, Western Washington University, November 2014
MAA MathFest, Portland, August 2014
PNW-MAA Annual Meeting, University of Montana, June 2014
PNW-MAA Annual Meeting, Willamette University, April 2013
ℕUMS, Pacific Lutheran University, April 2013
AMS-MAA Joint Meetings, San Diego, January 2013
MAA MathFest, Madison, August 2012
PNW-MAA Annual Meeting, University of Portland, April 2012
AMS-MAA Joint Meetings, Boston, January 2012
Combinatorial Potlatch, Seattle University, November 2011
AMS Sectional Meeting, University of Utah, October 2011
Research experiences for undergraduate faculty, American Institute of Mathematics, Palo Alto, CA, July 2011
Scottfest, University of Puget Sound, April, 2010
PNW-MAA Annual Meeting, Seattle University, March 2010
AMS-MAA Joint Meetings, San Francisco, January 2010

AMS-MAA Joint Meetings, Washington, D.C., January 2009
MAA Sectional Meeting, St. Mary's College, March, 2008
AMS Sectional Meeting, University of Notre Dame, April 2006
Midwest Algebra, Geometry and Interactions Conference, University of Notre Dame, October 2005
Midwest Representation Theory Conference, University of Michigan, October 2005
CBMS Regional Conference on Algebraic and Topological Combinatorics, August 2005
MAA Rocky Mountain Sectional Meeting, Colorado College, April 2004
AMS Sectional Meeting, University of Colorado, October 2003