

JESSICA K. SKLAR
Curriculum Vitae

Mathematics Department
Pacific Lutheran University
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EDUCATION

Ph.D. in Mathematics, June 2001, University of Oregon, Eugene, OR.

Dissertation: *Binomial Rings and Algebras*

Ph.D. Advisor: Frank Anderson

M.S. in Mathematics, June 1997, University of Oregon, Eugene, OR

B.A. in Mathematics and English, June 1995, Swarthmore College, Swarthmore, PA.

ACADEMIC POSITIONS

Department of Mathematics, Pacific Lutheran University

Chair, September 2021–June 2022 (also September 2015–June 2016 & September 2017–June 2019)

Professor, September 2018–present

Associate Professor, September 2007–August 2018

Assistant Professor, September 2001–August 2007

Department of Mathematics, Interlochen Arts Academy

Instructor of Mathematics, September 2022–June 2023

Department of Mathematics, University of Oregon

Graduate Teaching Fellow, September 1995–June 2001

OTHER EMPLOYMENT

Mathematical Sciences Publishers

Copyeditor, January–March 2022

AWARDS & HONORS

Honorable mention, 2022 NYC Midnight 100-word Microfiction Challenge

Honorable mention, 2020 NYC Midnight Flash Fiction Challenge

Author of the Month at Ada's Technical Books, July 2012, Seattle, WA

Selected by a Seattle technical bookstore as its July 2012 Author of the Month. I gave an invited lecture (*Prime Time: Mathematics and Popular Culture*), and the bookstore hosted a book-signing event for my book *Mathematics in Popular Culture* (McFarland, 2012). The bookstore also featured a month-long display of my publications, as well as of 5–10 works of other authors that I recommended.

Mathematical Association of America Carl B. Allendoerfer Award, 2011

Co-recipient with coauthor Gene Abrams for our article “The graph menagerie: abstract algebra and the Mad Veterinarian” (see PUBLICATIONS). Awarded for articles of expository excellence published in *Mathematics Magazine*. One to two recipients per year.

Pacific Lutheran University Faculty Excellence in Teaching Award, 2006

Purpose: To recognize a teacher who embodies the qualities of excellent teaching, as measured by such skills as the ability to communicate knowledge effectively, to inspire in students a love of learning, and the willingness to go “above and beyond” in working with students in and outside of class. One recipient per year.

Johnson Research Fellowship, Summer 2000

Awarded to an outstanding graduate student in his/her penultimate year.

TEACHING EXPERIENCE

Pacific Lutheran University

MATH 107: Mathematical Explorations: Cryptography	MATH 111: College Algebra
MATH 112: Plane Trigonometry	MATH 140: Precalculus
MATH 128: Introduction to Linear Models & Calculus	MATH 151: Calculus I
MATH 152: Calculus II	MATH 245: Discrete Mathematics
MATH 321: Geometry	MATH 331: Linear Algebra
MATH 381: Seminar in Problem Solving	MATH 433: Abstract Algebra
MATH 455: Mathematical Analysis	MATH 480: Advanced Topics in Abstract Algebra
MATH 480: Introduction to \LaTeX	MATH 491: Independent Study in Topology
MATH 499: Senior Capstone	INTC 234: Imaging the World
WRIT 101: Mathematics in Popular Culture	

Interlochen Arts Academy: Algebra II and Precalculus

University of Oregon

MATH 105: University Mathematics I	MATH 106: University Mathematics II
MATH 111: College Algebra	MATH 112: Elementary Functions
MATH 233: Discrete Mathematics III	MATH 241: Business & Social Science Calculus I
MATH 243: Introduction to Probability & Statistics	MATH 251: Calculus I
MATH 252: Calculus II	MATH 253: Calculus III
MATH 341: Elementary Linear Algebra	

PUBLICATIONS

Books

First-Semester Abstract Algebra: A Structural Approach. Published under the GNU Free Documentation License, 2017.

Mathematics in Popular Culture: Essays on Appearances in Film, Fiction, Games, Television and Other Media. Jefferson, NC: McFarland & Co., 2012. Editor, with E. Sklar.

Reviews of *Mathematics in Popular Culture*

Kozek, M. *The American Mathematical Monthly*, MAA, **121(3)**, Mar 2014, pp. 274–278.
 Karaali, G. *AWM Newsletter* **43(6)**, Association for Women in Mathematics, Nov–Dec 2013, p. 25.
 Ashbacher, C. *MAA Reviews*, MAA, 6 Nov 2012.
 Johnson, J. *CHOICE Reviews* **50(1)**, Association of College & Research Libraries, Sep 2012, p. 201.
 Sterling, C. *Communication Booknotes Quarterly* **43(3)**, Taylor & Francis, Jul–Sep 2012, p. 140.

Articles and Book Chapters

“[Mathemalchemy: A Playful Pandemic Project](#),” with Kim A. Roth. *MAA FOCUS*. October/November 2021, 20–23.

“Math, Art, Abstraction: A Conversation with Bronna Butler.” *Math Horizons*. 28:3 (2021), 8–11.

“Gardner Gems,” with Bronna Butler. *Math Horizons*. 28:3 (2021), 35.

“[‘Bok bok’: exploring the game of Chicken in film](#),” with Jennifer F. Nordstrom. In: *Handbook of the Mathematics of the Arts and Sciences*. Ed. Bharath Sriraman. Springer International Publishing, Cham. 2020.

“[‘Elegance in design’: mathematics and the works of Ted Chiang](#).” In: *Handbook of the Mathematics of the Arts and Sciences*. Ed. Bharath Sriraman. Springer International Publishing, Cham. 2020.

“A confused electrician uses Smith normal form,” with T. Edgar. *Mathematics Magazine* **89(1)** (2016), 3–13. Peer-reviewed, national publication.

“Thinking outside the box: application versus discovery in *Saw* and *Cube*.” In: *Mathematics in Popular Culture: Essays on Appearances in Film, Fiction, Games, Television and Other Media*. Jefferson, NC: McFarland & Co., 2012.

- “The graph menagerie: abstract algebra and the Mad Veterinarian,” with G. Abrams. *Mathematics Magazine* **83**(3) (2010), 168–179. Peer-reviewed, national publication.
- “Symmetric and alternating groups generated by a full cycle and another element,” with D. Heath, I.M. Isaacs, and J. Kiltinen. *The American Mathematical Monthly* **166**(5) (2009), 447–451. Peer-reviewed, international publication.
- “The ideal vacuum: visual metaphors for algebraic concepts.” In: *Proceedings of the International Conference of Bridges: Mathematical Connections in Art, Music, and Science* (2007), 241–246. Peer-reviewed, international publication.
- “Dials and levers and glyphs, oh my! Linear algebra solutions to computer game puzzles.” *Mathematics Magazine* **79**(5) (2006), 360–367. Peer-reviewed, national publication.
- “Binomial rings.” *Communications in Algebra* **32**(4) (2004), 1385–1399. Peer-reviewed, international publication.
- “Binomial algebras.” *Communications in Algebra* **30**(4) (2002), 1961–1978. Peer-reviewed, international publication.
- “If rooks could kill: vertex degrees in random bipartite graphs,” with A. Godbole and B. Lamorte. *Combinatorics, Graph Theory and Algorithms, Vol 2, Proceedings of the Eighth Quadrennial International Conference on Graph Theory, Combinatorics, Algorithms and Applications*, ed. by Y. Alavi, D. R. Lick and A. Schwenk, New Issues Press, Kalamazoo (1999), 445–450. International publication.
- “Improved upper bounds for the reliability of d -dimensional consecutive k -out-of- n F: systems,” with A. Godbole and L. Potter. *Naval Research Logistics* **45** (1998), 219–230. Peer-reviewed, national publication.

Book Reviews

- Review of *The Manga Guide to Linear Algebra* by Inoue Iroha and Shin Takahashi, *MAA Reviews*, 2012.
- Review of *A Transition to Mathematics with Proofs* by Michael J Cullinane, *MAA Reviews*, 2012.

Other

- “Tess the Tortoise’s Story.” *Mathemalchemy*. 29 October 20. Blog post.
- Edited the OEIS Sequence A059756, 30 Jan 19.
- “PreTeXt for Novices Using Windows.” Published under the GNU Free Documentation License, 2017. Available at <https://pretextbook.org/doc/pnw/html/novices.html>. Tutorial for PreTeXt novices using Windows operating systems.
- “Disciple.” *Journal of Humanistic Mathematics* **7**(2) (July 2017), 418. Poem. Peer-reviewed, national publication.
- Implemented probabilistic simulations in Mathematica and Maple and contributed to the solutions manual for C. L. Grinstead and J. L. Snell’s text *Introduction to Probability* (2nd ed.), American Mathematical Society, Providence, 1997.

MATHEMATICAL ART

- Monotile Nightlight*, 4.25×3.5 in nightlight, vitreous paint on amber stained glass, wrapped in lead came, 2023. With Bronna Butler.
- Monotile Quadriptych*, 8×22.4 in, acrylic graphic print, 2023. With Bronna Butler.
- Bridges of Cätisberg*, $5 \times 45 \times 38.75$ cm, cardboard with plastic ball, 2023. With Bronna Butler.
- Euler’s Cat*, 40×55 cm, pastel on toned paper, 2023. With Bronna Butler.
Appeared in the 2024 Joint Mathematics Meetings Exhibition of Mathematical Art, San Francisco, CA, Jan 3–6, 2024.
- Dürer’s Bat*, $4 \times 3\frac{3}{8} \times 4\frac{1}{8}$ cm, vitreous paints on stained glass & solder, 2023. With Bronna Butler.
Appearing in *Polyplane*, a “traveling art/science exhibition celebrating the beauty and structure of three-dimensional shapes” (from polyplane.org).
- Do the Math*, 50×68 cm, print of pastel drawing on toned paper, 2022. With Bronna Butler.

Appeared in the 2023 Joint Mathematics Meetings Exhibition of Mathematical Art, Boston, MA, Jan 4–8, 2023.

Dürer's Cat, 16 × 14 in, charcoal on paper drawing, 2022. With Bronna Butler.

Appeared in the Bridges 2022 Art Exhibit, Aalto University, Espoo, Finland, Aug 1–5, 2022.

Still Life with Mathematics, 5 × 23 × 17 in, mixed media, 2021.

Appeared in the 2022 Joint Mathematics Meetings Exhibition of Mathematical Art, virtual, Apr 6–9, 2022, and in the *For the Love of Math!* art exhibit at the Suzanne Zahr gallery in Mercer Island, WA, presented by the Seattle Universal Math Museum, Oct 1–Nov 24, 2021.

Equilateral Enigma, 18 × 18 in, acrylic graphic print, 2021. With Bronna Butler.

Appeared in the 2022 Joint Mathematics Meetings Exhibition of Mathematical Art, virtual, Apr 6–9, 2022, and in the *For the Love of Math!* art exhibit at the Suzanne Zahr gallery in Mercer Island, WA, presented by the Seattle Universal Math Museum, Oct 1–Nov 24, 2021.

Color Coded, 15 × 20 in, acrylic print of oil painting, 2021. With Bronna Butler.

Appeared in the *For the Love of Math!* art exhibit at the Suzanne Zahr gallery in Mercer Island, WA, presented by the Seattle Universal Math Museum, Oct 1–Nov 24, 2021.

Member of the Mathemalchemy Team

Designed and constructed a mathematical art installation that will begin its world tour in January 2022 at the National Academy of Sciences in Washington, DC, and ultimately be permanently on display at Duke University. Project funded via a Simons Foundation grant awarded to Ingrid Debauchies, Dominique Ehrmann, and Dorothy Buck, and a Leverhulme Trust Grant awarded to Dorothy Buck. <https://mathemalchemy.org/>

Additive Mixing, 30 × 20 in, pastel drawing and graphic print on aluminum panel, 2020. With Bronna Butler.

Appeared in the 2021 Joint Mathematics Meetings Exhibition of Mathematical Art, virtual, Jan 6–9, 2021. Video about *Additive Mixing*: <https://vimeo.com/496667864>.

COMPUTER SKILLS

Proficient C++, Sage, L^AT_EX, PreTeXt, HTML, Java.

PRESENTATIONS

Invited

Pacific Lutheran University Mathematics Seminar

Mathemalchemy, November 29, 2023. (With Bronna Butler.)

The Graph Menagerie: Abstract Algebra and the Mad Veterinarian, November 19, 2008.

Switches, Fuses, and Glyphs: Using Mathematics to Solve Computer Game Puzzles, March 30, 2005.

Jumbled Paths: The Structure of Binomial Algebras, November 19, 2003.

University of Washington–Tacoma mathematics seminar, virtual

Creative Collaborations in Mathematical Art, February 2, 2023. (With Bronna Butler.)

Gathering 4 Gardner Celebration of Mind, virtual

Mathematical Art: Inspirations, Instantiations, and Installations, February 21, 2022.

Gathering 4 Gardner Gather, virtual

Mathemalchemy, December 18, 2021. (With Bronna Butler and Kimberly Roth.)

Seattle University Mathematics Colloquium

Money! Mystery! Murder! Madness! Metaphor! (and Mathematics), March 8, 2018.

Willamette Valley REU-RET Consortium for Math Research, Linfield College

Illuminating Confused Electrician Problems, July 8, 2014.

2012 Meeting of the BABEL Working Group, Northeastern University

Cabbages and Kings: Mathematics and the Humanities, September 22, 2012. (With Elizabeth S. Sklar.)

Presented by Amy Kaufman, Middle Tennessee State University. (A medical emergency kept my co-speaker and me from attending the conference.)

July 2012 Author of the Month Lecture, Ada's Technical Books, Seattle, WA

Prime Time: Mathematics and Popular Culture, July 12, 2012.

Northwest Undergraduate Mathematics Symposium Keynote Address, Lewis & Clark College

Dials and Levers and Glyphs, Oh My!, March 10, 2012.

Mathematics Colloquium, Willamette University

Defeating the Robot and Unlocking Doors, November 1, 2007.

Brown Bag Event, Parametrix, Inc., Seattle, WA

Spain, France, Math and Art, September 25, 2007.

Math/CS Seminar Series, University of Puget Sound

Defeating the Robot and Unlocking Doors, March 21, 2007.

AMS Special Session on Associative Rings and their Modules, Boulder, CO

Binomial Rings, October 4, 2003.

Mathematics Colloquium, Linfield College

Quivers and their Path Algebras, November 29, 2001.

AMS Special Session on Representation Theory, Santa Barbara, CA

Binomial Algebras, March 11, 2000.

Contributed

National Museum of Mathematics MOVES Conference, New York, NY

Euler's Cat, August 6, 2023.

MAA Michigan Section Meeting, Alma College, Alma, MI

Math Art Collaborations, April 1, 2023.

MAA MathFest, virtual

Collaboration in the Time of COVID, August 5, 2021. (With Bronna Butler.)

AMS-MAA Joint Mathematics Meetings, Denver, CO

Cinematic Chicken: A Friendly Introduction to Game Theory, January 15, 2020. (With Jennifer Firkins Nordstrom.)

The Bridges Conference: Math. Connections in Art, Music, & Science, University of the Basque Country

The Ideal Vacuum: Visual Metaphors for Abstract Algebraic Concepts, July 26, 2007.

This talk was on a mathematical art project that was also on display in the conference art exhibit.

AMS-MAA Joint Mathematics Meetings, New Orleans, LA

A Comparison of Online Homework Systems, January 7, 2007. (With Mei Zhu.)

Pacific Lutheran University Joint Mathematics and Computer Enthusiasts Colloquium

Introduction to L^AT_EX, October 12, 2005.

AMS-MAA Joint Mathematics Meetings, San Diego, CA

Binomial Rings, January 8, 2002.

AMS-MAA Joint Mathematics Meetings, New Orleans, LA

Binomial Algebras and Rings, January 13, 2001.

University of Oregon Ring Theory Seminar,

Binomial Rings, October 24, 2000

Automorphisms of Binomial Algebras, February 22, 2000

Binomial Algebras, November 9, 1999

D-Algebras in Disguise, March 2, 1999

Through the Looking Glass: Cosemisimplicity, May 19, 1998

Lifting Idempotents, March 3, 1998.

PANEL PARTICIPATION

National Museum of Mathematics MOVES Conference, New York, NY

Mathemalchemy, Where Math Is Transforming, August 6, 2023

PNW MAA Annual Conference, virtual

Fostering Undergraduate Capstone Experiences, June 26, 2021

PLU Physics Club, Pacific Lutheran University, Tacoma, WA

Women in STEM, April 25, 2018

Seattle Expanding Your Horizons Conference, Seattle University, Seattle, WA

Supporting Girls in STEM Inside and Outside the Classroom, March 12, 2016

Westercon (Regional Science Fiction and Fantasy Convention), Seattle, WA

Mathematics in Science Fiction and Fantasy (organizer, moderator), July 6, 2012

Norwescon (Northwest Science Fiction and Fantasy Convention), Seattle, WA

Mathematics in Popular Culture (organizer), April 6, 2012

AMS-MAA Joint Mathematics Meetings (organized by Project NExT), Boston, MA

Writing, Refereeing, and Publishing: Contributing to the Mathematical Conversation, January 5, 2011

Faculty Workshop, Pacific Lutheran University, Tacoma, WA

Capstone as Assessment for the Major, March 12, 2008

Enhancing Diversity in Graduate Education Conference, Bryn Mawr College, Bryn Mawr, PA

Women in Mathematics, June 16, 2000

PROFESSIONAL DEVELOPMENT ACTIVITIES

MAA minicourse *Game Theoretic Modeling for Math Majors*, virtual, August 4 & 6, 2021

MAA minicourse *Inquiry Oriented Linear Algebra: Null & Column Spaces*, virtual, June 2, 9, & 16, 2021

MAA minicourse *Gaining Perspective on Geometry: IBL Activities that Use Art in Projective Geometry*, virtual, June 8, 15, 22 & 29, 2021

MAA minicourse *Mathematical Card Magic*, August 2 & 4, 2018

Math for Jazz Music (workshop), Jazz Night School, Seattle, WA, November 18, 2017

Council of Independent Colleges Workshop for Department & Division Chairs, Phoenix, AZ, June 6–8, 2017

MAA minicourse *Humanistic Mathematics*, January 6 & 8, 2016

AMS Department Chairs Workshop, January 5, 2016

Academic Advising workshop *The Role of the Chair in Academic Advising*, Pacific Lutheran U., August 18, 2015

MAA workshop *Abstract Algebra with GAP*, virtual, hosted by the Saint Louis University, July 14–18, 2003

CAPSTONES ADVISED

Connecting Group Theory to Puzzles and Games, Nathan Edwards, 2022.

Medical Decision Making: A Game Theoretic Approach, Brittany Iverson, 2021.

Applications of Euler's Theorem to the RSA Cryptosystem, Nick Tiedeman, 2021.

Polynomial Rings and Connections with Common Core Math Standards, Andrew Curran, 2020.

Group Actions: Burnside's Counting Theorem, Corey Ng, 2020.

Fermat's Little Theorem and Euler's Theorem, Isiah Behner, 2018.

Counting Using Group Actions, Taylor Gahr, 2018.

Complex Numbers and Their Representations, Amelia Pernell, 2018.

Error Detection and Correction, Alan Perry, 2015.

The Rubik's Cube: A Hands-On Approach to Group Theory, Greg Bishop, 2014.

Juggling Mathematics, Joshua McBeath, 2014.
A Mathematical Analysis of (m, n, k) Games, Matthew Christopher, 2012.
Coins in p Land, Nathan Gartner, 2012.
Group Actions and Burnside's Theorem, Nicole Griesmeyer, 2009.
Path Homotopies and the Fundamental Group, Sean McQueen, 2008.
An Introduction to Point-set Topology and the Fundamental Group, Morgan Keys, 2007.
Emmy Noether and Noetherian Rings, Whitney-Rose Levis, 2007.
Penrose Tilings, Jennifer Stoops, 2007.
Categories, Functors, and Natural Transformations, Oh My! An Introduction to Category Theory, Eric Finseth, 2005.
From Checkboards to Symmetry Groups: Tilings and Abstract Algebra, Elizabeth Jacobson, 2005.
The Building Blocks of Math: Prime Numbers and the Riemann Hypothesis, Kevin Roberts, 2004.
Galois' Gem, Bryce Bockman, 2003.
Error Detecting and Correcting Codes, James Sowell, 2003.
Wonders of Rubik's Cube, Ted Buzzelli, 2002.
Permutation Group Algorithms, Ruth Vanderpool, 2002.

PROFESSIONAL SERVICE

Member of Research Presentation Proposal Evaluation Committee

MOVES Conference, National Museum of Mathematics (MoMath), Spring 2023

Member of Editor Search Committee

Math Horizons, Mathematical Association of America, 2023

Editorial Board member

Math Horizons, Mathematical Association of America, 2020–present

Seattle Universal Math Museum

Programs Committee member, June 2021–January 2022

Exhibits Committee member, February 2021–June 2021

Referee

Handbook of the Mathematics of the Arts and Sciences, 2019 (reference book)

Mathematics Magazine, Mathematical Association of America, 2010–2019 (mathematics journal)

Caribbean Curriculum, University of the West Indies, 2016 (education journal)

Configurations, Johns Hopkins University Press, 2015 (interdisciplinary journal)

Mosaic, University of Manitoba, 2015 (literary journal)

The American Mathematical Monthly, Mathematical Association of America, 2011–2012 (mathematics journal)

Communications in Algebra, Taylor & Francis, 2001 (mathematics journal)

Book/book proposal/grant reviewer

CRC Press, Taylor & Francis Group, 2021 & 2023

Academy of Finland, 2021

Houghton Mifflin, 2005

John Wiley & Sons, Inc., 2003

Activity Leader

Julia Robinson Mathematics Festival for 4th–12th graders, Shoreline, WA, March 18, 2012.

Judge

Mathematical Association of America MathFest Student Paper Presentations, 2011

AMS-MAA Joint Mathematics Meetings Undergraduate Poster Session, 2007

Contractor for AccuMedia Publishing Services, 2005

Coded online calculus test bank problems, and performed accuracy reviews of test bank problems and presentation slides associated with college algebra, algebra and trigonometry, and calculus texts

 PACIFIC LUTHERAN UNIVERSITY SERVICE

Faculty and University Standing Committees

Governance Committee (secretary), 2011–2012
 Campus Life Committee
 Co-chair, 2006–2007
 Member, 2004, 2005–2008
 University Review Board secretary, 2007–2008

Other Non-Departmental Committees

School of Business Faculty Search Committee member, 2018–2020
 Interdisciplinary Statistics Committee
 Chair, 2018–2019
 Member, 2017–2019
 Psychology Department Faculty Search Committee member, 2014–2015
 Common Reading Book Selection Committee member, 2014–2015
 Women’s and Gender Studies Committee, library liaison, 2002–2008
 Academic Festival Planning Committee member, 2005–2007, 2008–2009
 International Honors Program [International Core] Committee member, 2006–2008
 Regents’ Scholarship Selection Committee member, 2004–2007
 Faculty Excellence Awards Selection Committee member, 2006, 2008
 English Department Faculty Search Committee member, 2004, 2006

Departmental Service

Departmental Committees

Curriculum Review Committee
 Chair, 2011–2012, 2014–2015, 2020–present
 Member, 2002–2005, 2007–2016, 2019–present
 Nicola Justice’s Third-Year Review Committee member, 2019–2020
 Linear Algebra Review Committee member, 2011–2014
 Calculus Book Committee
 Chair, 2011–2012
 Member, 2003–2004
 Tom Edgar’s Third-Year Review Committee chair, 2011–2012
 Mathematics Faculty Search Committee member, 2001–2002, 2008–2009, 2014–2015
 Liaison to Computer Science Department, 2004–2009, 2012–2016
 Library liaison, 2002–2003, 2004–2009
 Webmistress, 2002–2003, 2004–2009
 Mathematics Colloquium co-coordinator, 2007–2009
 Putnam Examination coach, 2003, 2006, 2008
 Liaison to the Mathematical Association of America, 2001–2008
 Mathematics Club Faculty Advisor, 2003–2007

Academic Advising

Major Student Advisor, 2004–present
 Non-major Student Advisor, 2003–2009, 2011–2016, 2017–present

 CONFERENCES ATTENDED

Joint Mathematics Meetings, San Francisco, CA, January 3–6, 2024
 EDGE Program’s Mobilizing the Power of Diversity, Bryn Mawr College, Bryn Mawr, PA, October 13–14, 2023.
 National Museum of Mathematics MOVES Conference, New York City, NY, August 6–8, 2023
 MAA Michigan Section Meeting, Alma College, Alma, MI, March 31–April 1, 2023
 Joint Mathematics Meetings, Boston, MA, January 4–7, 2023
 Gathering 4 Gardner 14, virtual, April 6–10, 2022
 MAA MathFest, virtual, August 4–7, 2021
 PNW MAA Annual Meeting, virtual, June 25–26, 2021

AMS-MAA Joint Mathematics Meetings, Denver, CO, January 15–19, 2020
 PNW MAA Annual Meeting, University of Portland, Portland, OR, April 13, 2019
 MAA MathFest, Denver, CO, August 1–5, 2018
 PNW MAA Annual Meeting, Seattle University, Seattle, WA, April 21, 2018
 Combinatorial Potlatch, Seattle University, November 19, 2016
 AMS-MAA Joint Mathematics Meetings, Seattle, WA, January 6–9, 2016
 PNW MAA Annual Meeting & NUMS Conference, University of Washington Tacoma, Tacoma, WA, April 10–11, 2015
 AMS-MAA Joint Mathematics Meetings, Boston, MA, January 3–7, 2012
 MAA MathFest, Lexington, KY, August 4–6, 2011
 AMS-MAA Joint Mathematics Meetings, Washington, DC, January 4–9, 2009
 National Popular Culture Assoc./American Culture Assoc. Conference, San Francisco, CA, March 19–23, 2008
 The Bridges Conference, University of the Basque Country, July 24–27, 2007
 AMS-MAA Joint Mathematics Meetings, New Orleans, LA, January 5–8, 2007
 The Bridges Conference, University College London, August 4–8, 2006
 PNW MAA Annual Meeting, University of Puget Sound, April 1–2, 2005
 International Conference on Technology in Collegiate Mathematics, New Orleans, LA, October 28–31, 2004
 AMS Special Session on Associative Rings and their Modules, University of Colorado Boulder, October 3–4, 2003
 Combinatorial Potlatch, University of Puget Sound, February 16, 2002
 AMS-MAA Joint Mathematics Meetings, San Diego, CA, January 6–9, 2002
 AMS-MAA Joint Mathematics Meetings, New Orleans, LA, January 10–13, 2001
 Enhancing Diversity in Graduate Education Conference, Bryn Mawr College, June 16–17, 2000
 AMS Special Session on Representation Theory, University of California Santa Barbara, March 11–12, 2000
 AMS-MAA Joint Mathematics Meetings, Washington, DC, January 19–22, 2000

COMMUNITY SERVICE

Volunteer, Seattle Universal Math Museum, 2021–present
 Hospice volunteer, Providence Hospice of Seattle, 2019–present
 Peer navigator, Facing Our Risk of Cancer Empowered, 2016–present
 Online group owner and administrator, Giving Community of Southeast Seattle, 2015–present
 Guest speaker, PLU’s Introductory Microbiology (BIOL 201) class, Fall 2017
 Panel member, Pacific Lutheran University Women’s Center “Bold and Beautiful” Event, 2006