TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Susan Morey Title: Regents' Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	1995	Rutgers State Univ New Brunswick	Mathematics	
BS	1990	University of Missouri-Columbia	Mathematics	

C. University Experience

Position	*University*	*Comments*	*Dates*
Regents Professor			2025 - Present
University Distinguished Professor	Texas State University		2025 - Present
Fellow	Association for Women in Mathematics		November 2020 - Present
Chair, Mathematics	Texas State University		2015 - Present
Professor	Texas State University		2010 - Present
Assistant Chair	Texas State University		2011 - 2014
Associate Professor	Texas State University		2001 - 2010
Assistant Professor	Southwest Texas State University		1997 - 2001
Instructor	The University of Texas at Austin		1995 - 1997
Fellow	Rutgers University		1994 - 1995
Teaching Assistant	Rutgers University		1991 - 1995
Summer Session Instructor	Rutgers University		1994
Fellow	Rutgers University		1990 - 1993
Teaching Assistant	University of Missouri–Columbia		1989 - 1990

D. Relevant Professional Experience

Position	*Entity*	*Comments*	*Dates*
Teaching Assistant	Young Scholars Program		1991
Substitute Teacher	Fort Zumwalt High School		1988 - 1989

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Everette Swinney Teaching Award.
August 26, 2016

Award / Honor Recipient: Presidential Distinction Award for Teaching, Associate/Full Professor Category.
2015

2011
2010
2009

Award / Honor Recipient: Teaching Excellence Award, Department of Mathematics.
December 2014
December 2010
December 2009
2008

Award / Honor Recipient: Alpha Chi National College Honor Society Favorite Professor.
2014
Additional Comments: as noted by undergraduate inductees

Award / Honor Recipient: Professor of the Year, Honors College.
2013 - 2014

Award / Honor Recipient: New Student Appreciation of Campus Support program and Graduating Student Recognition of Campus Support program.
2010 - 2014
Additional Comments: Named as significantly contributing to their success and development by multiple students each year in this range

Recipient: Promotion to Professor.
2010

Award / Honor Recipient: Outstanding Mentor, Siemens Competition.

2004

Fellowship Recipient: Texas Project NExT Fellowship.
1998 - 1999

Fellowship Recipient: National Needs Fellowship.
1994 - 1995
1990 - 1993

B. Courses Taught:

Texas State University:

MATH 1300 - ELEMENTARY ALGEBRA

MATH 1315 - COLL ALGEBRA

MATH 1316 - SURV CONTEMP MATH

MATH 1329 - MATH BUS & ECO II

MATH 2321 - CALC LIFE SCI I

MATH 2331 - CALC LIFE SCI II

MATH 2417 - PRE-CALCULUS MATHEMATICS

MATH 2471 - CALCULUS I

MATH 2472 - CALCULUS II

MATH 3330 - INTRO ADV MATHEMAT

MATH 3330 - INTRO TO ADVANCED MATHEMATICS

MATH 3377 - LINEAR ALGEBRA

MATH 4307 - MODERN ALGEBRA

MATH 5111 - GRAD ASST TRAINING

MATH 5307 - MODERN ALGEBRA

MATH 5313 - FIELD THEORY

MATH 5317 - PROB ADV MATH

MATH 5336 - STUDIES APP MATH

MATH 5399A - THESIS

MATH 5399B - THESIS

MATH 7111 - SEMINAR IN TCHING

MATH 7301 - STUDIES IN MATH

MATH 7307 - ALGEBRA I

MATH 7317 - ALGEBRA II

MATH 7361 - SEMINAR ADVANCED MATHEMATICS

MATH 7386 - INDPNT STDY MTH ED

Rutgers University:

Introductory Linear Algebra

University of Texas at Austin:

Algebraic Structures I

Conference Course–Writing Component

Differential and Integral Calculus

Introduction to Algebraic Structures

Linear Algebra and Matrix Theory

Matrices and Matrix Calculations

Topics in Algebra (Commutative Algebra)

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Faculty support, Project, Status: In Progress. (October 2025 - Present).
Student(s): Jordan Guillory, Doctoral.
Austin Bell, Doctoral.

Additional Comments: Two doctoral students have been meeting with me weekly for an informal directed study. The stated goal was to learn advanced topics, beyond those covered in a standard first year doctoral sequence in algebra, in the list required as background for a summer program at a prestigious math research institute for which the students would like to apply.

Member, Dissertation, Status: Proposal. (2025 - Present). Texas State University.

Student(s): Amy Lawrence-Walquist, Doctoral.

Member, Dissertation, Status: In Progress. (2024 - Present). Department of Mathematics, University of Central Florida.
Student(s): Michael Desgrottes.

External Evaluator, Dissertation, "Numerical Functions of Graded Ideals, Edge-Ideals of Digraphs and their Applications to Coding Theory", Status: Completed. (2018). Mathematics, Center for Research and Advanced Studies of the National Polytechnic Institute, Mexico.
Student(s): Carlos Eduardo Vivares Parra, Doctoral, Ph.D.

Member, Dissertation, "Motivation Intervention Through Science and Engineering Integrated Calculus Tasks", Status: Completed. (2016 - 2018). Mathematics, Texas State University.
Student(s): Enes Akbuga, Doctoral, Ph.D. in Mathematics Education.

Member, Dissertation, "Hilbert Series of Graphs, Hypergraphs, and Monomial Ideals", Status: Completed. (2016 - 2018). Department of Mathematics, University of Central Florida.
Student(s): Kyle Trainor, Doctoral, Ph.D. in Mathematics.

Supervisor / Chair, Master's Thesis, "On Regularity of Powers of Edge Ideals", Status: Completed. (2014 - 2015).
Student(s): Joseph Skelton, Graduate.

Member, Master's Thesis, "Extremal Cayley Graphs", Status: Completed. (2012).
Student(s): Joni Schneider, Graduate.

Member, Dissertation, "The Effect of Mathematics Research on Mathematics Majors' Mathematical Beliefs", Status: Completed. (2010 - 2012).
Student(s): Joshua Goodson, Doctoral.

Supervisor / Chair, Master's Thesis, "On Depth of Powers of Ideals", Status: Completed. (2010 - 2011).
Student(s): Heather Bruch, Graduate.

External evaluator, Dissertation, "Álgebras de Rees, Subanillos Monomiales y Problemas de Optimización Lineal", Status: Completed. (2009 - 2010). Centro de Investigación y de Estudios Avanzados del I.P.N.
Student(s): Luis Dupont-García, Doctoral.

Member, Master's Thesis, "Good Pairs in Extraspecial p-Groups", Status: Completed. (March 2006).
Student(s): Kristina Piskory, Graduate.

Member, Master's Thesis, "A Group-Theoretic Characterization of M-Group", Status: Completed. (2004).
Student(s): Jessica Pierson, Graduate.

D. Courses Prepared and Curriculum Development:

MATH 3330, Departmental syllabi: 2011.

MATH 3377, Departmental syllabi: 2011.

MATH 4307, Departmental syllabi: 2011.

MATH 3377, Departmental syllabi: 2007.

Doctor of Philosophy in Mathematics, New Degree Program, Texas State University. Approved: 2024.

Additional Comments: As Department Chair, I worked with a team of faculty to propose a new doctoral program and shepherd the proposal through the approval process. The program is approved to begin in Fall 2025.

Doctoral Program in Mathematics Education, New Degree Program, Texas State University. Taught: 2004 - 2007.

Additional Comments: As chair of the committee that prepared the proposal for this program, I oversaw the creation of multiple course proposals. I was directly involved in creating some courses and facilitated the creation of others.

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

Morey, Susan (Supporting), Ortiz, Araceli (Principal). Texas State STEM Rising Stars, NSF STEP-IUSE, Federal, $1,500,000.00. (Funded: January 1, 2015 - January 31, 2019). Grant.

F. Other:

Diversity in Math Summer School Instructor, Diversity in Math Summer School, Canadian Mathematics Research Institutes (includes Fields Institute, PIMS, AARMS, BIRS, CRM). Halifax, Canada. 45. (July 29, 2024 - August 2, 2024).

Additional Comments: I was one of 4 instructors who taught twice daily during the week. Student population was international, including students from Canada, US, Mexico, and others.

G. Teaching Professional Development Activities Attended

Conference Attendance, "Central Texas Math Alignment Summit," E3 Alliance. (November 2019).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

d. Chapters in Books:

Refereed:

Hong, J., & Morey, S. (2025). Hilbert Coefficients and Sally Modules: A Survey of Vasconcelos' Contributions. In *Commutative Algebra: The Mathematical Legacy of Wolmer V. Vasconcelos* (pp. 97–132). De Gruyter. https://doi.org/10.1515/9783110999365-004 https://doi.org/10.1515/9783110999365-004

Additional Comments: A survey article for a volume in honor of Dr. Wolmer Vasconcelos.

Melhuish, K. M., Lew, K. M., Hicks, M. D., Guajardo, L. R., Dawkins, P. C., & Morey, S. (2023). Proving, Analyzing, and Deepening Understanding of a Structural Property in Abstract Algebra. In *Sharing and Storing Knowledge about Teaching Undergraduate Mathematics An Introduction to a Written Genre for Sharing Lesson-specific Instructional Knowledge* (pp. 129–140). Washington, D.C., United States of America: Mathematics Association of America. Retrieved from https://maa.org/sites/default/files/pdf/pubs/books/members/NTE95_web.pdf https://maa.org/sites/default/files/pdf/pubs/books/members/NTE95_web.pdf

Corey_Jones (2023) LAM Book-1.pdf

2. Articles:

a. Refereed Journal Articles:

Chau, T., Duval, A., Faridi, S., Thiago, H., Morey, S., & Sega, L. (Accepted / In Press). Realizing Resolutions of Powers of Extremal Ideals. *Combinatorial Theory*.

Faridi, S., Ha, H. T., Hibi, T., & Morey, S. (2026). Scarf Complexes of Graphs and Their Powers. *Journal of Combinatorial Theory, Series A*, *223*, Paper No. 106191. https://doi.org/doi.org/10.1016/j.jcta2026/106191

Erey, N., Faridi, S., Ha, H. T., Hibi, T., Kara, S., & Morey, S. (2026). Gapfree Graphs and Powers of Edge Ideals with Linear Quotients. *Advances in Applied Mathematics*, *174*, Paper No. 103004. https://doi.org/https://doi.org/10.1016/j.aam.2025.103004

Additional Comments: Published on-line with DOI in December 2025. Journal article (print) is in the March 2026 edition.

Brennan, J., & Morey, S. (2026). Regular Edges, Matchings, and Hilbert Series. *Journal of Algebraic Combinatorics*, *63*(1), Paper No. 10. https://doi.org/10.1007/s10801-025-01495-3

Additional Comments: Open-access on-line version available now. Print version (with final page numbers) pending.

Cooper, S., El Khoury, S., Faridi, S., Mayes-Tang, S., Morey, S., Sega, L., & Sprioff, S. (2024). Simplicial Resolutions of Powers of Square-free Monomial Ideals. *Algebraic Combinatorics*, *7*, 77–107.

Louiza, F., Ha, H. T., & Morey, S. (2023). Regular Sequences on Squares of Monomial Ideals. *Sao Paulo Journal of Mathematical Sciences*, *17*, 122–146. https://doi.org/https://doi.org/10.1007/s40863-022-00337-5

Additional Comments: Special edition in honor of Rafael Villarreal.

Brennan, J., & Morey, S. (2023). Hilbert Series and Suspensions of Graphs. *Sao Paulo Journal of Mathematical Sciences*, *17*, 17–35. https://doi.org/10.1007/s40863-022-00329-5

Additional Comments: Special issue in honor of Rafael Villarreal

Cooper, S., El Khoury, S., Faridi, S., Mayes-Tang, S., Morey, S., Sega, L., & Sprioff, S. (2022). Powers of Graphs & Applications to Resolutions of Powers of Monomial Ideals. *Res. Math. Sci.*, *9*(2), 25pp.

Cooper, S., El Khoury, S., Faridi, S., Mayes-Tang, S., Morey, S., Sega, L., & Spiroff. (2022). Morse Resolutions of Powers of Square-free Monomial Ideals of Projective Dimension One. *Journal of Algebraic Combinatorics*, *55*(4), 1085–1122.
pd1-powers-Morse-submitted-1.pdf

Fouli, L., Ha, T., & Morey, S. (2020). Initially Regular Sequences and Depths of Ideals. *Journal of Algebra*, *559*, 33–57. https://doi.org/10.1016/j.algebra.2020.03.027

Ha, H. T., & Morey, S. (2019). Algebraic Algorithms for Even Circuits in Graphs. *Mathematics*, *7*(9), 859.

Ha, H. T., Lin, K.-N., Morey, S., Reyes, E., & Villarreal, R. H. (2019). Edge Ideals of Oriented Graphs. *International Journal of Algebra and Computation*, *29*(3), 535–559. https://doi.org/10.1142/S0218196719500139

Martinez-Bernal, J., Morey, S., Villarreal, R. H., & Vivares, C. E. (2019). Depth and Regularity of Monomial Ideals via Polarization and Combinatorial Optimization. *Acta Mathematica Vietnamica*, *44*, 243–268.

Campos, D., Gunderson, R., Morey, S., Paulsen, C., & Polstra, T. (2016). Depths and Stanley Depths of Path Ideals of Spines. *Involve*, *9*, 155–170.

Fouli, L., & Morey, S. (2015). A Lower Bound for Depths of Powers of Edge Ideals. *J Algebr Comb*, *42*, 829–848.

Campos, D., Gunderson, R., Morey, S., Paulsen, C., & Polstra, T. (2014). Depth and Cohen-Macaulay Properties of Path Ideals. *J. Pure Appl. Algebra*, *218*, 1537–1543.

Martinez-Bernal, J., Morey, S., & Villarreal, R. H. (2012). Associated Primes of Powers of Edge Ideals. *Collectanea Mathematics*, *63*, 361–374.

Morey, S., & Villarreal, R. H. (2012). Edge Ideals: Algebraic and Combinatorial Properties. *Progress in Commutative Algebra*, *1*, 85–126.

Fouli, L., & Morey, S. (2012). Minimal reductions and cores of edge ideals. *J. Algebra*, *364*, 52–66.

Morey, S. (2010). Depths of Powers of the Edge Ideal of a Tree. *Communications in Algebra*, *38*, 4042–4055.

Ha, H. T., & Morey, S. (2010). Embedded Associated Primes of Powers of Square-free Monomial Ideals. *J. Pure and Applied Algebra*, *214*, 301–308.

Ha, H. T., Morey, S., & Villarreal, R. H. (2009). Cohen-Macaulay Admissible Clutters. *Journal of Commutative Algebra*, *1*, 463–480.

Morey, S., Reyes, E., & Villarreal, R. H. (2008). Cohen-Macaulay, Shellable and Unmixed Clutters with a Perfect Matching of Konig Type. *J. Pure and Applied Algebra*, *212*, 1770–1786.

Johnson, M., & Morey, S. (2005). Normal Ideals and Expected Reduction Numbers. *Communications in Algebra*, *33*, 3787–3795.

Chen, J., Morey, S., & Sung, A. (2002). The Stable Set of Associated Primes of the Ideal of a Graph. *Rocky Mountain Journal of Mathematics*, *32*, 71–89.
Additional Comments: I was corresponding author; the other two authors were undergraduate students at the time the paper was written.

Johnson, M., & Morey, S. (2001). Normal Blow-ups and their Expected Defining Equations. *J. Pure and Applied Algebra*, *162*, 303–313.

Morey, S. (1999). Stability of Associated Primes and Equality of Ordinary and Symbolic Powers of Ideals. *Communications In Algebra*, *27*, 3221–3231.

Morey, S. (1996). Equations of Blowups of Ideals of Codimension Two and Three. *J. Pure and Applied Algebra*, *109*, 197–211.

Morey, S., & Ulrich, B. (1996). Rees Algebras of Ideals With Low Codimension. *Proc. Amer. Math. Soc.*, *124*, 3653–3661.

Morey, S., Noh, S., & Vasconcelos, W. V. (1995). Symbolic Powers, Serre Conditions and Cohen-Macaulay Rees Algebras. *Manuscripta Math*, *86*, 113–124.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Cooper, S., El Khoury, S., Faridi, S., Mayes-Tang, S., Morey, S., Sega, L., & Spiroff, S. (2021). Simplicial Resolutions for the Second Power of Square-free Monomial Ideals. In *Women in Commutative Algebra-Proceedings of the 2019 WICA Workshop, Assoc. Women Math. Ser.* (Vol. 29, pp. 193–205). Springer.

Fouli, L., Ha, H. T., & Morey, S. (2020). Depth of Powers of Squarefree Monomial Ideals. In *Advances in Mathematical Sciences, Assoc. Women Math. Ser.* (Vol. 21, pp. 161–171). Springer, Cham. https://doi.org/10.1007/978-3-030-42687-3_10

Morey, S., & Vasconcelos, W. V. (2001). Special Divisors of Blowup Algebras, in Ring Theory and Algebraic Geometry. In *Lecture Notes in Pure and Applied Mathematics* (Vol. 221, pp. 257–288). New York, Basel: Marcel Dekker.

5. Reports:

Morey, S. (2008). *Mathematics Research by Undergraduates: Costs and Benefits to Faculty and the Institution*. *CUPM Subcommittee on Research by Undergraduates*. Retrieved from http://www.maa.org/cupm/ http://www.maa.org/cupm/

Additional Comments: This report was written by the committee of which I am a member. It is not a refereed publication.

10. Other Works in Print:

Column In the Notices of the American Mathematical Societys:

Morey, S. (2021). Finding Funding. In *Notices of the AMS*.

Additional Comments: Written as part of the regular "Early Career" column at the request of Dr. Angela Gibney.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Morey, S., AMS Section Meeting, "Extremal ideals and Bounding Invariants of Square-free Monomial Ideals," American Mathematical Society, Savannah, GA, United States. (March 2026).

Morey, S., AMS Fall Southeastern Sectional Meeting, "Extremal Ideals and Algebraic properties of Square-free Monomial Ideals," American Mathematical Society, Tulane University, New Orleans, United States. (October 2025).

Morey, S., RayFest: a conference in celebration of hte mathematics of Raymond C. Heitmann, "Extremal Ideals and Properties of Square-free Monomial Ideals," University of Nebraska-Lincoln, Lincoln, NE. (April 2025).

Morey, S., AMS Section Meeting, "Hilbert Series of Edge Ideals and Regular Sequences via Property P," American Mathematical Society, UTSA, San Antonio. (September 2024).

Morey, S., Fall Central Sectional Meeting, "Resolutions of Powers of Square-free Monomial Ideals," AMS, Omaha, NE. (October 2023).

Morey, S., AMS Section Meeting, "Depth bounds for squares of monmial ideals," AMS, Chattanooga, TN. (October 2022).

Morey, S., AWM Research Symposium, "Resolutions of powers of square-free monomial ideals," AWM, Minneapolis, MN. (June 2022).

Morey, S., AMS Spring Western Sectional Meeting, "Regular sequences on squares of monomial ideals," AMS. (May 2022).

Morey, S., Joint Mathematical Meetings (JMM), "Resolutions of Powers of Square-free Monomial Ideals," American Mathematical Society and Mathematical Sciences Research Institute, Seatle, WA. (January 2022).

Additional Comments: Conference cancelled due to Covid surge.

Morey, S., AMS Western Sectional Meeting (on-line, formerly scheduled for San Francisco), "Polyhedral Resolutions of Powers of Monomial Ideals of Projective Dimension One." (May 1, 2021).

Morey, S., AMS Eastern Sectional Meeting (on-line, formerly scheduled for Brown University), "Cellular Resolutions and Powers of Monomial Ideals," American Mathematical Society. (March 21, 2021).

Morey, S., AMS Section Meeting, "Rees Algebras, Jacobian Duals, and Graphs," Purdue University, West Lafayette, IN, United States. (April 2020).

Additional Comments: Meeting cancelled due to Covid-19

Morey, S., Special Session on Current Trends in Combinatorial Commutative Algebra, "An Application of Rees Algebras to Graph Theory," AMS Section Meeting, Tufts University, Medford, MA, United States. (March 2020).

Additional Comments: Meeting cancelled due to Covid-19

Morey, S., Special Session on Commutative Algebra and its Interactions to Combinatorics, "Depths and Initially Regular Sequences for Ideals in Polynomial Rings," VMS-AMS Joint Mathematical Meeting, Quy Nhon, Vietnam. (June 2019).

Morey, S., Special Session on Commutative and Combinatorial Algebra, "Algebraic Properties of Monomial Ideals," AMS Section Meeting, Auburn University, Auburn, AL, United States. (March 2019).

Morey, S., Joint Mathematics Meetings, "Depths of Powers of Ideals and the Power of Depth of Understanding Algebra," AMS, MAA, AWM, SIAM, Baltimore, MD, United States. (January 17, 2019).

Morey, S., 2018 CMS Winter Meeting, "Depth and Regularity of Regular and Symbolic POwers of Monomial Ideals," Canadian Mathematical Society, Vancouver, Canada. (December 8, 2018).

Morey, S., Special Session on Commutative and Combinatorial Algebra, "Depth Bounds for Monomial Ideals," American Mathematical Society, Ohio State University, Columbus, OH, United States. (March 2018).

Morey, S., Special Session on Applications of Combinatorial Topology in Commutative Algebra, "Depth and Cohen-Macaulay Properties of Monomial Ideals," Canadian Mathematical Society, Winter Meeting, University of Waterloo, Waterloo, Ontario, Canada. (December 2017).

Morey, S., Special Session on Geometric Combinatorics and Combinatorial Commutative Algebra, "Depths of Monomial Ideals," AMS Section Meeting, University of North Texas, Denton, TX, United States. (September 9, 2017).

Morey, S., Commutative Algebra: Homological and Combinatorial Methods, "Depths of Monomial Ideals," PRIMA 2017, Oaxaca, Mexico. (August 2017).

Morey, S., Special Session on Studies in Interconnections among Parameters in Graph Theory, Combinatorics, and Discrete Geometry, "Using Parameters from Graph Theory to Bound Algebraic and Geometric Invariants of Edge Ideals,," Joint Mathematics Meetings, San Antonio, TX. (January 2015).
Additional Comments: January 10-13, 2015

Morey, S., Special Session on Directions in Commutative Algebra: Past, Present and Future, "Square-free Monomial Ideals: Where Commutative Algebra, Graph Theory, and Combinatorics Meet," AMS Section Meeting, University of Wisconsin-Eau Claire, Eau Claire, WI. (September 2014).
Additional Comments: September 20-21, 2014
dedicated to the memory of H.-B. Foxby

Morey, S., Special Session on Commutative Algebra and its Interaction with Algebraic Geometry and Combinatorics, "Properties of Square-free Monomial Ideals," AMS Section Meeting, University of California Riverside, Riverside, CA. (November 2013).
Additional Comments: November 2-3, 2013

Morey, S., Special Session on Combinatorial Commutative Algebra, "Depths of Powers of Edge Ideals of Graphs," AMS Section Meeting, Temple University, Philadelphia, PA. (October 2013).
Additional Comments: October 12-13, 2013

Morey, S., Special Session on Commutative Algebra and Algebraic Geometry, "Algebraic Properties of Square-free Monomial Ideals," Joint Mathematics Meetings, San Diego, CA. (January 2013).
Additional Comments: January 9-12, 2013

Morey, S., Special Session on Combinatorial Commutative Algebra, "Associated Primes of Powers of Edge Ideals," AMS Section Meeting, Tulane University, New Orleans, LA. (October 2012).
Additional Comments: October 13-14, 2012

Morey, S., Special Session on Topics in Commutative Algebra, "Depths and Cohen-Macaulay Properties of Square-free Monomial Ideals," AMS Section Meeting, University of Arizona, Tucson. (October 2012).
Additional Comments: October 27-28, 2012

Morey, S., Special Session on Discrete Dynamical Systems in Graph Theory, Combinatorics, and Geometry, "Interactions Between Commutative Algebra and Discrete Mathematics," AMS Section Meeting, Las Vegas, NV. (May 2011).
Additional Comments: April 30-May 1, 2011

Morey, S., Special Session on Commutative Algebra and Combinatorics, "Cores and Reductions of Edge Ideals of Graphs," Canadian Mathematical Society's Winter National Meeting, Vancouver, Canada. (December 2010).
Additional Comments: December 4-6, 2010

Morey, S., Special Session on Commutative Algebra and Its Interactions with Algebraic Geometry, "Associated Primes of Powers of Monomial Ideals," AMS Section Meeting, Notre Dame. (November 2010).
Additional Comments: November 5-7, 2010

Morey, S., Special Session on Trends in Commutative Algebra, "Depths and Reductions of Edge Ideals of Graphs," AMS Section Meeting, University of New Mexico. (April 2010).
Additional Comments: April 17-18, 2010

Morey, S., Special Session on Commutative Algebra: Ideal and Module Theory, "Lower Bounds for Depths of Powers of Edge Ideals of Trees and Graphs," AMS Section Meeting, Baylor University, Waco, TX. (October 2009).

Additional Comments: October 16-18, 2009

Morey, S., Special Session on Hilbert Functions and Resolutions, "Normality of Rees Algebras," AMS Meeting, San Francisco State University, San Francisco, CA. (April 30, 2006).

Morey, S., Centennial Celebration of Commutative Algebra, "Primes Associated to Powers of Ideals of Graphs," University of Nebraska, Lincoln, NE. (April 2000).
Additional Comments: April 27-29, 2000

Morey, S., The Olga Taussky Todd Celebration of Careers in Mathematics for Women, "Associated Primes and Ideals of Graphs," MSRI, Berkeley, CA. (July 1999).
Additional Comments: poster session July 16-18, 1999

Morey, S., Special Session on Algebraic Geometry and Commutative Algebra, "Divisors of a Rees Algebra," Fourth International Joint Meeting of the AMS and the Sociedad Mathematica Mexicana, Denton, TX. (May 1999).
Additional Comments: May 19-22, 1999

Morey, S., Special Session on Commutative Algebra and Algebraic Geometry, Joint Meetings, "When the Symbolic Powers of an Ideal Equal the Standard Powers," Baltimore, MD. (January 1998).
Additional Comments: January 7-10, 1998

Morey, S., Southwest Texas Summer Honors Math Camp, "Algebra Hidden in a Graph." (June 20, 1997).

Morey, S., Commutative Algebra Conference, "Symbolic Powers and Bounding the Stability of Associated Primes," Seoul, South Korea. (May 24, 1997).

Morey, S., Special Session on Commutative Algebra, "Stability Bounds," AMS Meeting, Columbia, MO. (November 1996).
Additional Comments: November 1-3, 1996

Morey, S., Special Session on Commutative Algebra, "Equality of Ordinary and Symbolic Powers of an Ideal," AMS Meeting, Lawrenceville, NJ. (October 1996).
Additional Comments: October 5-6, 1996

Morey, S., Taller de Algebra, "Symbolic Powers and Rees Algebras," Mexico City, Mexico. (November 1995).
Additional Comments: November 26-28, 1995

Morey, S., Special Session on Commutative Algebra, "Symbolic Powers, Serre Conditions, and Cohen-Macaulay Rees Algebras," AMS Meeting, Hartford, CT. (March 1995).
Additional Comments: March 3-5, 1995

Morey, S., Special Session on Commutative Algebra: Rees algebras and related topics, "Equations of Rees Algebras of Ideals of Low Codimension," San Francisco, CA. (January 1995).
Additional Comments: January 4-6, 1995

Morey, S., AWM Workshop, "Equations of Blowup Algebras," San Francisco, CA. (January 7, 1995).
Additional Comments: poster session

Morey, S., Workshop on Commutative Algebra and its Relation to Combinatorics and Computer Algebra, "Equations of Rees Algebras of Ideals of Codimension Two and Three," International Center for Theoretical Physics, Trieste, Italy. (May 1994).
Additional Comments: May 16-27, 1994

2. Invited Talks, Lectures, and Presentations:

Morey, S., RafaFest, "TBA," Mexico City, Mexico. (June 2026).

Morey, S., Regents' Professor Lecture, "One* Ring* to Rule* them All*." (April 8, 2026).

Morey, S., Colloquium, "Beyond Vector Spaces: Syzygies and Resolutions of Powers of Square-free Monomial Ideals," Dalhousie University, Halifax. (January 2026).

Morey, S., Seminar, "Extremal ideals and Square-free Monomial Ideals: "One* Ring* to Rule* Them All*"," Texas State. (September 2025).

Additional Comments: Spoke about current research for two weeks in the Departmental Seminar. Having trouble seeing where to put that in the system.....

Morey, S., Mathematical Congress of the Americas 2025, "Regular Sequences and Hilbert Series of Edge Ideals," Miami, FL. (July 2025).

Morey, S., CCAC: Combinatorial Commutative Algebra in Canada Seminar, "Hilbert Series of Edge Ideals, Property P, and f-vecors." (September 24, 2024).

Morey, S., Commutative Algebra and its interaction with Algebraic Geometry and Combinatorics 2023, "Resolutions of Powers of Square-free Monomial Ideals," VIASM (Vietnam Institute for Advanced Study in Mathematics, Hanoi, Vietnam. (June 2023).

Morey, S., Algebra Seminar, "Regular Sequences on Monomial Ideals and Depth of R/I^2," VIASM, VIASM, Hanoi, Vietnam. (June 29, 2023).

Morey, S., Discrete Math Seminar, "Generalizing box products and Cellular resolutions of monomial ideals," Texas State. (April 8, 2022).

Morey, S., Commutative Algebra Seminar, "Cellular Resolutions and Powers of Monomial Ideals," Institute for Research in Fundamental Sciences, IPM-Tehran, Tehran. (February 10, 2022).

Morey, S., Virtual Commutative Algebra Seminar, "Cellular Resolutions and Powers of Monomial Ideals," IIT Bombay, Bombay, India. (November 19, 2021).

Morey, S., "Beyond Vector Spaces: Syzygies and Resolutions of Powers of Monomial Ideals," Oklahoma State University. (October 2021).

Morey, S., "Depths and Initially Regular Sequences," Oklahoma State University. (October 2021).

Morey, S., "Generalizing Linear Algebra: Syzygies and Resolutions of Monomial Ideals," Texas State University REU, San Marcos. (July 15, 2021).

Morey, S., "Resolutions of Powers of Monomial Ideals," New Mexico State University. (April 26, 2021).

Morey, S., Seminar, "Cellular Resolutions and Powers of Monomial Ideals," Clemson University. (March 29, 2021).

Morey, S., Seminar, "Rees Algebras, Jacobian Duals, and Graphs," University of California, Riverside. (May 8, 2020).

Morey, S., Graduate Expo, "Creating Connections: Exploring the Intersection of Commutative Algebra, Algebraic Geometry, and Graph Theory through Rees Algebras," Department of Mathematics, Texas State University. (October 2019).

Morey, S., Colloquium, "Depths and Initially Regular Sequences for Ideals in Polynomial Rings," Dalhousie University, Halifax. (March 2019).

Morey, S., NMSU Algebra Seminar, "Depth and Cohen-Macaulay Properties of Monomial Ideals through Combinatorial Representations," New Mexico State University, Las Cruces, NM, United States. (November 16, 2017).

Morey, S., Workshop and Conference on Commutative Algebra, "Depths of Powers of Square-free Monomial Ideals," Tribhuvan University, Kirtipur, Nepal. (October 2016).

Morey, S., Workshop and Conference on Commutative Algebra, "Edge Ideals: How Commutative Algebra and Discrete Mathematics are Related," Tribhuvan University, Kirtipur, Nepal. (October 2016).

Morey, S., Mathcamp Colloquium, "Hilbert and the Syzygy Theorem," Mathworks, Texas State University, San Marcos, TX, United States. (July 22, 2016).

Morey, S., Colloquium, "Square-free Monomial Ideals: Where Commutative Algebra, Graph Theory and Combinatorics Intersect," University of Central Florida, Orlando, FL, United States. (April 1, 2016).

Morey, S., Math & Sciences Seminar, "Hilbert and the Syzygy Theorem: What is a Syzygy and Why do Commutative Algebraists Care?," Texas A&M University at Galveston. (April 17, 2015).

Morey, S., "Square-free Monomial Ideals: Where Commutative Algebra, Graph Theory, and Combinatorics Intersect," Department of Mathematics, Tulane University. (February 26, 2015).

Morey, S., Algebra Seminar, "Properties of Square-free Monomial Ideals," Department of Mathematics, Tulane University. (February 25, 2015).

Morey, S., Algebra, Number Theory, and Combinatorics Seminar, "Powers of Square-free Monomial Ideals," The University of Texas at Austin. (December 4, 2014).

Morey, S., Discrete Mathematics Seminar, "How Discrete Mathematics Can be Used to Detect the Cohen-Macaulay Property," Texas State. (November 8, 2013).

Morey, S., Frank Stones Research Lectureship, "Square-free Monomial Ideals: Where Algebra, Combinatorics, and Graph Theory Intersect," TCU (Texas Christian University). (September 13, 2013).

Morey, S., Discrete Mathematics Seminar, "2-Packings and Depth for Trees," Texas State. (April 19, 2013).

Morey, S., Discrete Mathematics Seminar, "An Algebraist's Use of Berge's Theorem," Texas State. (March 23, 2012).

Morey, S., Graduate Mathematics Open House, "Visualizing Associated Primes of Powers of Edge Ideals." (October 14, 2011).

Morey, S., Mathematics Education Seminar, "Why Abstract Algebra is Important for Mathematics Education: an Algebraist’s perspective," Texas State. (February 18, 2011).

Morey, S., "Connections Between Combinatorics and Commutative Algebra Through Depths of Ideals," New Mexico State University. (February 18, 2010).

Morey, S., Algebra Seminar, "Blowup Algebras, Symbolic Powers, and Associated Primes of Ideals," New Mexico State University. (February 17, 2010).

Morey, S., Discrete Mathematics Seminar, "Depth Bounds for Edge Ideals of Trees," Texas State. (September 25, 2009).

Morey, S., Texas State Summer Honors Math Camp, "Applications of Algebra." (July 21, 2009).

Morey, S., Algebraic Geometry Seminar, "Relations Between Commutative Algebra, Combinatorics, and Algebraic Geometry," Texas A&M University. (March 31, 2008).

Morey, S., Discrete Mathematics Seminar, "Using Combinatorial Objects to Determine Algebraic Properties of Square-free Monomial Ideals," Texas State. (March 7, 2008).

Morey, S., Discrete Mathematics Seminar, "A Commutative Algebra Primer," Texas State. (March 23, 2007).

Morey, S., Discrete Mathematics Seminar, "Square-free Monomial Ideals and Hypergraphs," Texas State University. (November 8, 2006).

Morey, S., Discrete Mathematics Seminar, "Square-free Monomial Ideals and Hypergraphs," Texas State University. (November 1, 2006).

Morey, S., Algebra Seminar, "Rees Algebras and Normal Ideals," The University of Texas at Austin. (February 14, 2006).

Morey, S., Trinity University REU program, "Visually Computing Associated Primes for Certain Monomial Ideals." (June 25, 2003).

Morey, S., Mathematics Majors' Seminar, "Introduction to Gröbner bases," Trinity University. (January 23, 2003).

Morey, S., Algebra Seminar, "Stable Sets of Associated Primes of Monomial Ideals," The University of Texas at Austin. (October 29, 2002).

Morey, S., Junior Algebra Seminar, "Introduction to Gröbner bases," The University of Texas at Austin. (February 2001).
Additional Comments: this was a talk aimed at the postdoctoral and graduate students

Morey, S., Algebra seminar, "Divisors and Cohen-Macaulay Rees Algebras," The University of Texas at Austin. (October 30, 2000).

Morey, S., Southwest Texas Summer Honors Math Camp, "Geometric Impossibilities." (June 25, 1999).

Morey, S., "Associated Primes of Ideals of a Graph," Department of Mathematics, Southwest Texas State University. (February 26, 1999).

Morey, S., Southwest Texas Summer Honors Math Camp, "A Generalized Division Algorithm and Gröbner Bases." (July 17, 1998).

Morey, S., Algebra seminar, "Associated Primes of Ideals Generated by d-sequences," The University of Texas at Austin. (March 3, 1998).

Morey, S., "Symbolic Powers and Cohen-Macaulay Rees Algebras," University of Arkansas, Fayetteville. (February 15, 1996).

Morey, S., "Cohen-Macaulay Rees Algebras," University of Missouri–Columbia. (February 1995).
Additional Comments: February 16-17, 1995

5. Other Works not in Print:

a. Works "submitted" or "under review":

Journal Articles:

Louiza, F., Ha, H. T., & Morey, S. (Submitted / Under Review). Regular Sequences of Linear Forms on Monomial Ideals. (June 2026)

Additional Comments: Title is tentative. While the initial proofs are complete and the paper could be submitted soon, we are waiting a bit as we try to generalize some results further.

Cooper, S., El Khoury, S., Faridi, S., Morey, S., Sega, L., & Spiroff, S. (Submitted / Under Review). Cellular resolutions of second powers of square-free monomial ideals with divisibility relations. (May 20, 2026)

Additional Comments: Preprint available upon request. The main portions of the paper are complete.

Chau, T., Duval, A., Faridi, S., Hollenben, T., Morey, S., & Sega, L. (Submitted / Under Review). Symbolic Powers and Integral Closures via Extremal Ideals. (February 5, 2026)

Cooper, S., El Khoury, S., Faridi, S., Morey, S., Sega, L., & Spiroff, S. (Submitted / Under Review). Divisibility Relations and D-Extremal Ideals. (December 1, 2025)

c. Other Works Not in Print:

Keynote / Plenary Addresses:

Morey, S., CAAC: Combinatorial Algebra meets Algebraic Combinatorics, "Extremal ideals and Bounding Invariants of Square-free Monomial Ideals," Dalhousie University, Halifax, Canada. (January 2026).

Morey, S., Second International Meeting in Commutative Algebra and Related Areas (SIMCARA), "Depth Bounds and Initially Regular Sequences in Polynomial Rings," Sao Carlos, Brazil. (July 2019).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Morey, Susan. Fields Institute, Fields Institute, Other. (Submitted: May 2025). Sponsored Research.

Additional Comments: The institute provided funding for travel and housing for a 2-week short term research stay during a special semester program in my research area. They also provided funding to attend a workshop in applications of my research area.

Cooper (Other), El Khoury, Sabine (Other), Faridi, Sara (Other), Morey, Susan (Other), Sega, Liana (Other), Sprioff, Sandra (Other). Cellular Resolutions of Powers of Monomial Ideals, American Institute of Mathematics, Private / Foundation / Corporate. (Submitted: October 2021, Funded: September 2022 - Present). Sponsored Research.

Additional Comments: The institute will pay for travel, housing, and meals for a one week intensive research stay each year for 3 years. Note that due to funding changes at AIM, the year three stay has been delayed.

Erey, Nursel, Faridi, Sara (Other), Kara, Selvi, Ha, Huy Tai (Other), Hibi, Takayuki (Other), Morey, Susan (Other). Challenges for outstanding questions on edge ideals, American Institute of Mathematics, Private / Foundation / Corporate. (Submitted: October 2022, Funded: January 2023 - February 2026). Sponsored Research.

Additional Comments: The institute will pay for travel, housing, and meals for a one week intensive research stay each year for 3 years.

Chau, Trung, Duval, Art, Faridi, Sara, Morey, Susan, Hollenben, Thiago, Sega, Liana. 2024 Summer Research in Mathematics Program, Simons Laufer Mathematical Sciences Institute, Private / Foundation / Corporate. (Funded: June 2024 - 2025). Sponsored Research.

Additional Comments: Funding for 2-week research stay, plus additional travel money to present results during the following year.

Morey, Susan. Mathematical Congress of the Americas Travel Grant, American Mathematical Society (using funds from an NSF grant), Federal, $1,324.00. (Funded: 2025 - July 2025). Grant.

Morey, Susan. Travel funding, VIASM, Private / Foundation / Corporate. (Funded: June 2023 - 2023). Grant.

Additional Comments: VIASM, a Vietnam research institution in mathematics, funded a 2-week research stay (housing, food, local expenses) for a 3 person research team.

Morey, Susan. Interactions Between Topological Combinatorics and Combinatorial Commutative Algebra, Banff International Research Station, Private / Foundation / Corporate. (Funded: April 2023 - 2023). Sponsored Research.

Additional Comments: Funding for a week stay (room and board) at the Banff International Research Station as part of a week long research program.

Faridi, Sara (Other), Ha, Huy Tai (Other), Hibi, Takayuki (Other), Morey, Susan (Other). Research in Pairs (Oberwolfach Research Fellows), Mathematisches Forschungsinstitut Oberwolfach, Other. (Submitted: 2020, Funded: 2022). Sponsored Research.

Additional Comments: Funding is provided for a 2-week research experience (housing and meals provided). Delayed until summer 2022 due to Covid travel restrictions.

Melhuish, Kathleen Mary (Principal), Lew, Kristen Marie (Co-Principal), Sigley, Robert (Other), Morey, Susan (Supporting), Dawkins, Paul Christian (Co-Principal), Bishop, Jessica Lynn (Supporting). Orchestrating Discussions Around Proof, National Science Foundation, Federal, $299,847.00. (Submitted: May 1, 2018, Funded: November 1, 2018 - October 31, 2022). Grant.

Morey, Susan. Women in Commutative Algebra, Banff International Research Station, Private / Foundation / Corporate. (Funded: October 2019 - 2019). Sponsored Research.

Additional Comments: Funding for a week stay (room and board) at the Banff International Research Station as part of a week long research program. I served as co-lead for one of the research teams.

Morey, Susan (Principal), Christensen, Lars (Co-Principal), Fouli, Louiza (Co-Principal), Jorgensen, David (Co-Principal). Southwest Local Algebra Meeting, NSA, Federal, $14,925.00. (Funded: 2015 - 2016). Grant.

Additional Comments: conference grant, co-PI's are from other institutions in the region

Morey, Susan, Shen, Jian (Principal). Research Experiences for Undergraduates Site in Mathematics, NSF, Federal, $210,000.00. (Funded: 2011 - 2012). Grant.

Morey, Susan. Travel Grant, Southwest Local Algebra Meeting (SLAM). (Funded: March 5, 2011 - March 6, 2011). Grant.
Additional Comments: New Mexico State University

Morey, Susan (Co-Principal), Dean, Nate (Principal), Shen, Jian (Co-Principal). NREUP Site in Discrete Mathematics, MAA, Private / Foundation / Corporate, $31,150.00. (Funded: 2010). Grant.

Morey, Susan. Travel Grant, SLAM. (Funded: March 2010). Grant.
Additional Comments: Arlington, TX

Morey, Susan. Travel Grant, Pan-American Advanced Study Institute NSF PASI Summer Program. (Funded: August 3, 2009 - August 14, 2009). Grant.
Additional Comments: Pan-American Advanced Study Institute NSF PASI Summer Program: Commutative Algebra and its Connections to Geometry, Olinda, Brazil

Morey, Susan. Travel Grant. (Funded: May 18, 2008 - May 22, 2008). Grant.
Additional Comments: Commutative Algebra: Connections with Algebraic Topology and Representation Theory, Lincoln, Nebraska

Morey, Susan. Travel Grant. (Funded: October 7, 2005 - October 11, 2005). Grant.
Additional Comments: Travel grant to attend MAGIC05 (Midwest Algebra, Geometry, and their Interactions Conference),University of Notre Dame

Morey, Susan (Principal), Keller, Thomas M (Co-Principal). Research Experiences for Undergraduates Site in Mathematics, NSF, Federal, $36,000.00. (Funded: 2001). Grant.

Morey, Susan. Travel Grant, NSF, Private / Foundation / Corporate, $1,000.00. (Funded: August 6, 2000 - August 13, 2000). Grant.
Additional Comments: Travel Grant administered by the AMS for Mathematical Challenges of the 21st Century–UCLA

Morey, Susan. Travel Grant, MSRI, Private / Foundation / Corporate. (Funded: July 16, 1999 - July 18, 1999). Grant.
Additional Comments: Travel Grant
Berkeley, California to attend the Olga Taussky Todd Celebration of Careers in Mathematics for Women

Morey, Susan. Travel Grant, Association of Women in Mathematics, Private / Foundation / Corporate. (Funded: January 1995). Grant.
Additional Comments: Travel Grant to present a poster in the meeting and to attend the Joint Mathematics Meetings.

2. Submitted, but not Funded, External Grants and Contracts:

Sigley, Robert (Principal), Czocher, Jennifer Ann (Co-Principal), Melhuish, Kathleen Mary (Co-Principal), Strickland, Sharon K (Co-Principal), Morey, Susan (Supporting). IUSE: Orchestrating Discussions About Proof, NSF IUSE, Federal, $289,833.00. (Submitted: November 2016). Grant.
IUSE-Reviews-1.docx
Additional Comments: Received 4 very good (second highest after excellent). Reviews are attached.

Morey, Susan (Co-Principal), Herzog, Jurgen (Principal), Trung, Tran Nam (Co-Principal), Hibi, Takayuki (Co-Principal), Faridi, Sara (Co-Principal),

Lason, Michal (Co-Principal). Matroids and polymatroids, SQuaRE research program 2017, Other. (Submitted: October 2016). Sponsored Research.

Additional Comments: Other investigators are international (Germany, Canada, Switzerland, Vietnam, Japan)

Morey, Susan (Supporting), Rusnak, Lucas J (Principal), Shroff, Piyush Ravindra (Co-Principal), Ferrero, Daniela Maria (Co-Principal), Shen, Jian (Co-Principal), Warshauer, Max L (Co-Principal). RTG Algebra and Combinatorics, NSF, Federal, $2,105,222.00. (Submitted: June 2016). Grant.

Rusnak, Lucas J (Principal), Shroff, Piyush Ravindra (Co-Principal), Morey, Susan (Co-Principal), Shen, Jian (Co-Principal), Ferrero, Daniela Maria (Co-Principal), Warshauer, Max L (Supporting). NSF RTG, NSF, $2,185,714.00. (Submitted: 2015). Grant.

Morey, Susan (Co-Principal), Shen, Jian (Principal), Dean, Nathaniel (Co-Principal). Research Experiences for Undergraduates Site in Mathematics, NSF, Federal, $345,583.00. (Funded: 2013 - 2015). Grant.

Morey, Susan (Principal). NREUP Site in Discrete Mathematics, MAA, Private / Foundation / Corporate, $22,500.00. (Submitted: 2011). Grant.

Morey, Susan (Principal). Travel Grant, AWM, Private / Foundation / Corporate, $1,920.00. (Funded: 2009). Grant.

Morey, Susan (Supporting), Dean, Dr. Nate (Principal). CSUMS Numbers, National Science Foundation (NSF), Private / Foundation / Corporate. (Submitted: 2006). Grant.

Morey, Susan (Principal). Powers of Ideals, National Science Foundation (NSF), Federal, $104,741.00. (Submitted: 1998). Grant.

Morey, Susan (Principal). Powers of Ideals, National Security Agency (NSA), Federal, $26,000.00. (Submitted: 1998). Grant.

Morey, Susan (Principal). Bounds on Computing Associated Primes and Symbolic Powers, Advanced Research Program (TARP), Texas Higher Education Coordinating Board, Institutional (Higher Ed), $18,778.00. (Submitted: 1997). Grant.

Morey, Susan (Principal). Asymptotic stabilities of primes associated to powers of an ideal, National Science Foundation (NSF), Federal, $57,125.00. (Submitted: 1996). Grant.

Morey, Susan (Principal). Asymptotic stabilities of primes associated to powers of an ideal, National Security Agency (NSA), Federal, $26,000.00. (Submitted: 1996). Grant.

3. Funded Internal Grants and Contracts:

Morey, Susan. Powers of Ideals, Research Enhancement Grant, Institutional (Higher Ed), $6,409.00. (Funded: 1999 - 2000). Grant.

Morey, Susan. Powers of Ideals, Research Enhancement Grant, Institutional (Higher Ed), $6,409.00. (Funded: 1998 - 1999). Grant.

Morey, Susan. School of Science Indirect Costs Fellowship, Institutional (Higher Ed), $4,000.00. (Funded: 1998). Grant.

Morey, Susan. Bounds on Computing Associated Primes and Symbolic Powers, Research Enhancement Grant, Institutional (Higher Ed), $5,000.00. (Funded: 1997 - 1998). Grant.

4. Submitted, but not Funded, Internal Grants and Contracts:

Morey, Susan. Embedded Associated Primes of Powers of Monomial Ideals, Research Enhancement Program, Texas State University. (Submitted: October 2025). Sponsored Research.

Rusnak, Lucas J (Principal), Shroff, Piyush Ravindra (Co-Principal), Shen, Jian (Co-Principal), Ferrero, Daniela Maria (Co-Principal), Morey, Susan (Supporting), Warshauer, Max L (Supporting). NSF RTG, NSF, $2,170,598.00. (Submitted: 2016). Grant.

Shen, Jian (Principal), Morey, Susan (Co-Principal), Keller, Thomas M (Supporting), Dean, Nathaniel (Supporting), Rusnak, Lucas J (Supporting), Manske, Jacob (Supporting). NSF REU, NSF, $345,583.00. (Submitted: 2012). Grant.

Morey, Susan. Rees Algebras, Hypergraphs, and Embedded Primes for Powers of Monomial Ideals,, Research Enhancement Grant, Institutional (Higher Ed), $8,000.00. (Submitted: 2006). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Recipient: Regents' Professor Award, TSUS Board of Regents and TSUS Foundation.
August 2025 - Present

Award / Honor Recipient: University Distinguished Professor, Texas State University.
April 2025 - Present

Award / Honor Nominee: Department Research Award.
2025

Award / Honor Nominee: Fellow of the American Mathematical Society.
2025

Additional Comments: A current Fellow of the AMS nominated me to become a fellow. The nomination was not successful, but I am honored to have been approached for this.

Award / Honor Recipient: Excellence in Research Award, Department of Mathematics.
December 2013

Award / Honor Recipient: Research Excellence Award, Department of Mathematics.
December 2010
2000

Award / Honor Recipient: Presidential Distinction Award for Scholarly/Creative Activities, Associate/Full Professor.
2004

Award / Honor Recipient: School of Science College Achievement Award for Excellence in Scholarly/Creative Activities, Assistant Professor/Instructor/Lecturer Category.
2001
1999

E. Scholarly / Creative Professional Development Activities Attended:

Workshop, "Workshop on the Applications of Commutative Algebra," Fields Institute, Toronto, Canada. (May 2025).

Conference Attendance, "Southwest Local Algebra Meeting," Denton, TX. (2023).

Workshop, BIRS Workshop, Banff, Canada. (April 3, 2023 - April 7, 2023).

Workshop, "Research in Pairs," Mathematisches Forschungsinstitut Oberwolfach. (July 25, 2022 - August 5, 2022).

Additional Comments: Now called Oberwolfach Research Fellows

Conference Attendance, "eCARs." (June 26, 2020 - June 27, 2020).

Additional Comments: on-line conference to highlight work of early Commutative Algebra researchers and provide mentoring and opportunities to make connections.

Workshop, "Women in Commutative Algebra," Banff International Research Station (BIRS), Banff, Canada. (October 2019).

Conference Attendance, "AWM Research Symposium," Rice University, Houston, TX, United States. (April 2019).

Conference Attendance, "Southwest Local Algebra Meeting (SLAM)," University of Texas at El Paso, El Paso, TX, United States. (February 2019).

Conference Attendance, "Special Session in Combinatorial Commutative Algebra," Congress of the Americas, Montreal, Canada. (July 2017).

Workshop, "Ordinary and Symbolic Powers of Ideals," Banff International Research Station for Mathematical Innovation and Discovery, Oaxaca, Mexico. (May 2017).

Additional Comments: This was a research workshop designed to facilitate research collaborations.

Conference Attendance, "Southwest Local Algebra Meeting," Texas State University. (February 27, 2016 - February 28, 2016).

Conference Attendance, "Southwest Local Algebra Meeting," Texas A&M University. (March 2, 2013 - March 3, 2013).

Conference Attendance, "Southwest Local Algebra Meeting," New Mexico State University. (March 5, 2011 - March 6, 2011).

Conference Attendance, "Southwest Local Algebra Meeting," University of Texas at Arlington. (March 6, 2010 - March 7, 2010).

Conference Attendance, "Annual Joint Mathematics Meetings," Washington, DC. (January 5, 2009 - January 8, 2009).

Conference Attendance, "Commutative Algebra: Connections with Algebraic Topology and Representation Theory," Lincoln, NE. (May 18, 2008 - May 22, 2008).

Conference Attendance, "Annual Joint Mathematics Meetings," San Diego, CA. (January 5, 2008 - January 9, 2008).

Conference Attendance, "AMS meeting," Rutgers University, New Brunswick, NJ. (October 5, 2007 - October 7, 2007).

Conference Attendance, "Annual Joint Mathematics Meetings," New Orleans, LA. (January 5, 2007 - January 8, 2007).

Conference Attendance, "Annual Joint Mathematics Meetings," San Antonio, TX. (January 12, 2006 - January 15, 2006).

Conference Attendance, "MAGIC05 (Midwest Algebra, Geometry, and their Interactions Conference)," University of Notre Dame. (October 7, 2005 - October 11, 2005).

Conference Attendance, "Annual Joint Mathematics Meetings," Atlanta, GA. (January 5, 2005 - January 7, 2005).

Conference Attendance, "Annual Joint Mathematics Meetings," Phoenix, AZ. (January 7, 2004 - January 8, 2004).

Workshop, "Computational Commutative Algebra Workshop," Mathematical Sciences Research Institute. (March 13, 2003 - March 15, 2003).

Conference Attendance, "Annual Joint Mathematics Meetings," San Diego, CA. (January 6, 2002 - January 10, 2002).

Conference Attendance, "Mathematical Challenges of the 21st Century," UCLA, Los Angeles, CA. (August 6, 2000 - August 13, 2000).

Conference Attendance, "Fall Texas Project NExT Meeting," Southern Methodist University, Dallas, TX. (October 22, 1999 - October 23, 1999).

Conference Attendance, "Texas Section MAA meeting and Spring Texas Project NExT Meeting," Southwest Texas State University, San Marcos, TX. (April 8, 1999 - April 10, 1999).

Conference Attendance, "Annual Joint Mathematics Meetings," San Antonio, TX. (January 13, 1999 - January 16, 1999).

Conference Attendance, "Fall Texas Project NExT Meeting," Dallas, TX. (October 16, 1998 - October 18, 1998).

Conference Attendance, "Texas Section MAA meeting and Spring Texas Project NExT Meeting," Dallas, TX. (March 26, 1998 - March 28, 1998).

Conference Attendance, "Summer MathFest," Seattle, WA. (August 9, 1996 - August 12, 1996).

Conference Attendance, "Special Session in Commutative Algebra, annual Joint Meetings," Orlando, FL. (January 10, 1996 - January 13, 1996).

Conference Attendance, "Special Session on Commutative Algebra and Algebraic Coding Theory," AMS-SMM Joint Meeting, Guanajuato, Mexico. (November 29, 1995 - December 2, 1995).

Conference Attendance, "Special Session in Commutative Algebra," AMS Meeting, Kent, OH. (November 3, 1995 - November 4, 1995).

Conference Attendance, "Tight Closure, Big Cohen-Macaulay Algebras, and Uniform Artin Rees Theorem," NSF-CBMS Regional Conference, Fargo, ND. (June 25, 1995 - June 29, 1995).

Conference Attendance, "MAA, New Jersey Section Spring Meeting," Rutgers University. (April 23, 1994).

Workshop, "US-Italian Workshop on Hilbert Functions and Related Topics," Cornell University. (October 27, 1993 - October 31, 1993).

Conference Attendance, "Interactions Between Commutative Algebra and Algebraic Geometry," University of Missouri-Columbia. (May 28, 1993 - May 30, 1993).

Workshop, "Midwest-Great Plains Commutative Algebra Workshop," University of Kansas. (May 29, 1992 - May 30, 1992).

Conference Attendance, "MAA, New Jersey Section Spring Meeting," Rutgers University. (March 28, 1992).

Workshop, "Midwest-Great Plains Commutative Algebra Workshop," Columbia, MO. (June 21, 1991 - June 23, 1991).

IV. SERVICE

A. Institutional

1. University:

Member, CADS Internal Advisory Board. (January 2025 - 2025).

Additional Comments: I served as a replacement board member for Dr. Alex White. Duties were to provide Department related input when requested, attend a meeting with external board members, attend the annual event for students, etc.

Member, New Building Workgroup. (2022 - 2025).

Member, Developmental Education Advisory Committee. (2016 - 2025).

Member, APLU 2025 Excellence in Student Success Award Nomination. (May 2025 - June 30, 2025).

Additional Comments: Provide information and data for the University's nomination for an award. Draft, proofread, edit appropriate (Department related) sections of the forms. Attend multiple on-line meetings for planning, drafting, editing, etc.

Member, RCM Academic Affairs Workgroup. (2024).

Doctoral Proposal Mathematics. (2023 - 2024).

Additional Comments: Worked on proposal writing, presentation to the Coordinating Board, and many other aspects of new program development.

University Mentor, H-LSAMP scholars. (2022 - 2024).

Additional Comments: Michala Gradner

Member, COSE Dean Search Committee. (2023).

Member, Hiring Committee, Dean of College of Science and Engineering. (2022 - 2023).

Member, Presidential Recruitment Taskforce, International Student Subgroup. (2022 - 2023).

Member, Presidential Recruitment Taskforce, Transfer Student Recruitment Subcommittee. (2022 - 2023).

Member, Texas State Presidential Recruitment Taskforce. (2022 - 2023).

Chair, Retention Workgroup Committee on Grades, Interventions, and Retention. (December 2021 - 2023).

Member, CTXMAT Alignment Workgroup. (2021 - 2023).

Participant, Peer Leaning Network, E3 Alliance. (2021 - 2023).

Member, Presidential Taskforce for Recruitment. (September 16, 2022 - January 31, 2023).

Additional Comments: I also served on the subcommittees focused on international recruitment and transfer student recruitment during this time.

Participant, High Pell Cluster: Gateway Courses; Association of Public and Land-grant Universities. (2021 - 2022).

Co-Chair, Retention Work Group Subcommittee on Grades, Intervention, and Retention. (January 2021 - December 2021).

Member, Retention Workgroup. (October 2020 - 2021).

Member, Faculty Institute for Student Success Subcommittee, Retention Workgroup. (December 2020 - November 2021).

Member, Search Committee, Dean of the McCoy College of Business Administration. (2019 - 2020).

Panelist, Faculty Development--Chair Training. (October 2020).

Member, Dean Search Committee for McCoy College. (2019 - March 2020).

Member, Hearing Tribunal. (2019).

Member, Chair Search Committee for the Department of Curriculum and Instruction. (October 2018 - March 2019).

Faculty Marshall, Graduation. (2017).

Additional Comments: Various ceremonies, approximately one per year

Member, College Review Group, College of Applied Arts. (January 2017).

Presentor, New Tenure-Track Faculty Orientation. (August 24, 2016).

Representative, Mathematics. (2000 - 2015).

Additional Comments: Represent Mathematics during external site visits for other programs (e.g.: HLSAMP, ACCE).

Faculty mentor, SPARK. (2014).
Additional Comments: students Melissa Cantu, Hailey Strineman, Maggie Purdum

Member, College of Science NSF STEM Grant Writing committee. (2013 - 2014).

Faculty mentor, H-LSAMP Scholar. (2011 - 2013).
Additional Comments: Daniel Campos

Chair, Summative Review Committee. (2012).

Additional Comments: for Dr. Jaime Chahin

Member, selection committee for the 2012 University Distinguished Professor award. (2012).

Member, University Council. (2009 - 2012).

Member, Various Faculty Senate subcommittees. (2009 - 2012).

representative to the Faculty Senate, College of Science and Engineering. (2009 - 2012).

Assist, STEaM Quiz Bowl. (2011).
Additional Comments: Assist with STEaM Quiz Bowl questions in mathematics for H-LSAMP program.

Mace Bearer, Graduation. (2010 - 2011).

Faculty mentor, H-LSAMP Scholar. (2005 - 2006).
Additional Comments: Arnesha Linville

Faculty mentor, H-LSAMP Scholar. (2005 - 2006).
Additional Comments: Arnesha Linville

Spoke about proposal writing, proposal writing workshop for new faculty. (September 30, 2006).

Research and mentoring presentation, Show and Tell Professor Workshop for the Collaborative Learning Center. (October 27, 2005).

Member, University Doctoral Program Review Committee. (2004 - February 2005).

Held a panel discussion on Undergraduate Research, Third Annual Undergraduate Research Conference for the H-LSAMP. (2002).
Additional Comments: along with some of my REU students.

Member, University Council. (2001).

Usher, Graduation. (May 13, 2000).

Presentation, SLAC counselors on test-taking skills. (November 11, 1999).

School of Science Marshal, Graduation. (May 16, 1998).

2. College:

Member, Task Force for the Organizational Review of he College of Science and Engineering. (2023).

3. Department/School:

Chair, Department of Mathematics. (2015 - 2025).

Member, STEM Classroom Building User Group. (2023 - 2024).

Doctoral dissertation research. (2014).
Additional Comments: Allow graduate student Sarah Hanusch to extensively observe my classroom teaching and regularly interview me as part of her doctoral dissertation research, Spring 2014.

Assist, Coordination and creation new core course assessments. (2013 - 2014).

Member, Awards Committee. (2013 - 2014).

Member, Hiring Committee for the Mathematics position. (2013 - 2014).

Faculty mentor, Lecturer. (2012 - 2014).
Additional Comments: Piyush Shroff

Faculty mentor, Master's student. (2012 - 2014).
Additional Comments: Geoffrey Miller

Volunteer, Departmental Open House. (2012 - 2014).
Additional Comments: table host

Assistant Chair of the Department. (2011 - 2014).

Member, Hiring Committee for Lecturers. (2013).

Chair, Hiring Committee for the Algebra/Discrete Mathematics position. (2012 - 2013).

Faculty mentor, Faculty mentor to master's student. (2011 - 2013).
Additional Comments: Rebecca Hofer

Write and grade Comprehensive exams, Algebra. (2010 - 2013).

Faculty sponsor, Problem Solvers Group. (2009 - 2013).
Additional Comments: attend sessions and read and edit solutions prepared by students and lecturers for submission.

Chair, Departmental Strategic Planning Committee. (2012).

Member, Recruitment Committee. (2011 - 2012).

Chair, Departmental Workload Committee. (2011).

Member, Thesis committee member. (2011).
Additional Comments: student Joni Schneider

Member, Dissertation committee. (2010 - 2011).
Additional Comments: for doctoral student Joshua Goodson

Thesis supervisor, Master's student. (2010 - 2011).
Additional Comments: Heather Bruch

Chair, Departmental Self-Review Committee. (2008 - 2010).

Faculty mentor, Mathematics education doctoral student. (2008 - 2010).
Additional Comments: Lindsey Gerber

Chair, Syllabus committee. (November 2010).
Additional Comments: 3330 and 3377

Chair, Syllabus committee. (November 2010).
Additional Comments: 4307

Assist, SACS accreditation questions. (2008 - 2009).
Additional Comments: 3377, 4307, 5307, 7307

Faculty Advisor, Math Club. (2007).

Member, TA Recruitment Committee. (2007).

Participant, Math Ed Doctoral Survey. (2007).
Additional Comments: Handled Math Ed Doctoral Survey requests for the Department

Participant, Proposed doctoral programs. (2007).
Additional Comments: Filled out SACS form related to the proposed doctoral programs for the Department

Revisor, Departmental syllabus. (2007).
Additional Comments: Revised Departmental syllabus for MATH 3377

Supervisor, Undergraduate research. (2007).
Additional Comments: Francisco Sanchez

Faculty Advisor, Pi Mu Epsilon. (2006 - 2007).

Chair, Mathematics Department Ph.D. Committee. (2004 - 2007).

Additional Comments: this was the committee that prepared the proposal that led to the doctoral degree in Mathematics Education

Faculty mentor, Graduate student. (2004 - 2007).
Additional Comments: Daniel Morris

Member, Student Affairs Committee. (2000 - 2007).

Objectives test question. (2006).
Additional Comments: Wrote objectives test questions for 2321 (with Dr. Welsh) to meet state requirement

Faculty Advisor, Math Club. (2006).

Participant, Discrete Mathematics seminar. (April 2006).
Additional Comments: Led discussions in the Discrete Mathematics seminar, 2 weeks

Member, Master's level thesis committee. (March 2006).
Additional Comments: Kristina Piskory

Member, Ad hoc committee. (February 2006).

Departmental representative, MathWorks Advisory Board meeting. (2004).

Faculty research mentor, Honors Math Camp. (2004).
Additional Comments: Faculty research mentor for groups of counselors from the Honors Math Camp

Faculty research mentor, Siemens Westinghouse Competition. (2004).
Additional Comments: Faculty research mentor for one team of high school students entering the Siemens Westinghouse Competition

Member, Master's level thesis committee. (2004).
Additional Comments: Jessica Pierson

Member, Mathematics Department Ph.D. Committee. (December 2000 - 2004).

Member, Student Awards Committee. (2000 - 2004).

Mentor. (2003).
Additional Comments: Informally mentored an undergraduate student, Jason Ramsey, in a student-initiated research project

Chair, Student Awards Committee. (2002 - 2003).

Faculty mentor, Graduate student. (2002 - 2003).
Additional Comments: Jessica Pierson

Participant, Math Club. (November 2001).
Additional Comments: Participated in a presentation to the Math Club about research opportunities

Faculty Advisor, Math Club. (2000).

Faculty research mentor, Honors Math Camp. (2000).
Additional Comments: Faculty research mentor for groups of counselors from the Honors Math Camp

Member, Undergraduate Instructional Assistants Committee. (1999 - 2000).

Member, Various Textbook Committees. (1998 - 2000).

Additional Comments: 2321/2331, 3377, 2471/2472

Co-coordinator, MAA section meeting at SWT. (April 1999).
Additional Comments: Helped coordinate the NExT activities for the spring MAA section meeting at SWT

Faculty research mentor, Honors Math Camp. (1998).
Additional Comments: Faculty research mentor for groups of counselors from the Honors Math Camp

Member, Library Committee. (1998).

Wrote and graded, Algebra qualifying exam. (1998).

B. Professional:

Editor, Combinatorial Commutative Algebra. (December 2025 - Present).

Reviewer / Referee, La Matamatica. (2026).

Coordinator / Organizer, AMS Special Sesion on Commutative Algebra and its Interactions with Geometry and Combinatorics, at the JMM 2025. (2025 - 2026).

Reviewer / Referee, Electronic Journal of Combinatorics. (2025 - 2026).

Reviewer / Referee, MathZentralBlatt. (November 2007 - 2026).

Additional Comments: Ongoing

Reviewer / Referee, Communications in Algebra. (December 2025).

Reviewer / Referee, Indagationes Mathematicae. (2025).

Additional Comments: Quick review opinion.

Reviewer / Referee, Pacific Journal of Mathematics. (2025).

Coordinator / Organizer, Session 13: Influences of Combinatorics and Topology in Commutative Algebra at the Mathematical Congress of the Americas, Miami, FL. (July 2025).

Program Evaluator, BSME: Budapest Summer in Mathematics Education, Hungary. (July 2025).

Reviewer / Referee, Archiv der Mathematik. (February 2025).

External Evaluator for Tenure and Promotion, Penn State. (2024).

Reviewer / Referee, Journal of Algebra. (2024).

Reviewer / Referee, Journal of Commutative Algebra. (2024).

Editor, Bulletin of the Korean Mathematical Society. (April 1, 2021 - March 31, 2024).

Reviewer / Referee, Combinatorica. (2023).

Reviewer / Referee, Journal of Algebra and its Applications. (2023).

Reviewer / Referee, Research in Mathematical Sciences. (January 2022 - March 2022).

External Evaluator, T&P, Connecticut College. (2020).

Additional Comments: Tenure and Promotion review

Reviewer / Referee, Journal of Combinatorial Theory, Series A. (2020).

Reviewer / Referee, Transactions of the American Mathematical Society. (2020 - December 2020).

External Evaluator, Program Review, Northern Illinois University. (2019).

Additional Comments: Program review for their department of mathematics

Reviewer / Referee, Discrete Mathematics. (2019).

Reviewer / Referee, Electronic Journal of Combinatoric. (2019).

Reviewer / Referee, Journal of Algebraic Combinatorics. (2019).

Reviewer / Referee, Mathematics. (2019).

Reviewer / Referee, Proceedings of he School of Algebra in Constanta. (2019).

Coordinator / Organizer, Combinatorial Commutative Algebra Group, Women in Commutative Algebra workshop, Banff. (October 2019).

Reviewer / Referee, Proceedings of the International Meeting Combinatorial Structures in Algebra and Geometry, Romania. (September 11, 2019).

Reviewer / Referee, Mathematics. (July 2019).

Member, Sceintific Committee for the Second International Meeting in Commutative Algebra and its Related Areas (SIMCARA), ICMC-USP, Sao Carlos, Brazil. (April 12, 2018 - July 26, 2019).

Coordinator / Organizer, Special Session in Combinatorial Commutative Algebra, AWM Research Symposium. (April 2019).

Reviewer / Referee, Journal of Commutative Algebra. (February 2019).

Reviewer / Referee, Natural Sciences and Engineering Research Council of Canada, Canada. (2018).

Additional Comments: Review grant proposal

External Evaluator, Dissertation, Centro de Investigacion y de Estudios Avanzados del I.P.N., Mexico. (November 2018).

Additional Comments: External evaluator for the Ph.D. dissertation of Carlos Eduardo Vivares Parra.

Reviewer / Referee, Boletin de la Sociedad Mathematica Mexicana. (June 2018).

Reviewer / Referee, Mathematica Scandinavica. (June 2018).

Reviewer / Referee, Mathematical Notes. (June 2018).

Reviewer / Referee, Involve. (May 2018).

Reviewer / Referee, Journal of Algebra. (April 2018).

Mentoring, invited special guest, Texas A&M AMW Women in Math Mentoring, College Station, TX. (February 27, 2018).

Reviewer / Referee, Journal of Algebra and its Applications. (January 2018).

Adjudicator, Student Poster Session, Mathematical Congress of the Americas, Montreal, Canada. (December 2017).

Reviewer / Referee, Involve. (November 28, 2017).

Reviewer / Referee, zbMath. (November 11, 2017).

Additional Comments: Review paper: "Two lower bounds for the Stanley depth of monomial ideals," by Katthan and Fakhari.

External Evaluator, T&P, Al al-Bayt University, Jordan. (August 2017).

Coordinator / Organizer, Special Session in Combinatorial Commutative Algebra, Congress of the Americas, Montreal, Canada. (July 2017).

Reviewer / Referee, Advances in Mathematics. (July 2017).

Reviewer / Referee, Math. Zeitschrif. (June 2017).

Reviewer / Referee, Journal of Commutative Algebra. (2016).

Reviewer / Referee, Math Zentralblatt. (2016).

Additional Comments: Review the paper "Arithmetical rand of the edge ideals of some n-cyclic graphs with a common edge"

Reviewer / Referee, Bulletin of the Korean Mathematical Society. (2015).

Reviewer / Referee, Communications in Algebra. (2015).

Reviewer / Referee, Graphs and Combinatorics. (2015).

Reviewer / Referee, Involve. (2015).

Reviewer / Referee, Journal of Algebra. (2015).

Reviewer / Referee, Journal of Algebra and its Applications. (2015).

Reviewer / Referee, Journal of Commutative Algebra. (2015).

Reviewer / Referee, Journal of Pure and Applied Algebra. (2015).

Reviewer / Referee, Manuscripta Mathematica. (2015).

Reviewer / Referee, Mathematica Scandinavica. (2015).

Reviewer / Referee, National Security Agency Mathematical Sciences Program. (2015).
Additional Comments: Review research grant proposals

Reviewer / Referee, Proceedings of the American Mathematical Society. (2015).

Reviewer / Referee, Rocky Mountain Journal of Mathematics. (2015).

Reviewer / Referee, Zentralblatt MATH. (November 2007 - September 2015).
Additional Comments: Squarefree monomial ideals that fail the persistence property and non-increasing depth, H.T. Ha, M. Sun, September 2015.
Minimal free resolutions of the G-parking function ideal and the toppling ideal, M. Manjunath, F.O. Schreyer, J. Wilmes, 2015.
Monomial ideals whose depth function has any given number of strict local maxima, S. Bandari, J. Herzog, T. Hibi, 2014.
Bounding multiplicity by shifts in the Taylor resolution, M. Goff, September 17, 2011.
Minimal Free Resolution of a Finitely Generated Module Over a Regular Local Ring, M. Rossi, L. Sharifan, June 8, 2010.
The Core of Ideals in Arbitrary Characteristic, L. Fouli, C. Polini, B. Ulrich, April 7, 2010.
Generation in Degree Four of Symbolic Blowups of Self-linked Monomial Space Curves, M. Reed, May 4, 2010.
On Homogeneous Prime Spectra of Certain Rees Rings, L. Ratliff and D. Rush, November 24. 2009.
Serre's Condition Rl for Affine Semigroup Rings, M. Vitulli, September 2009.
On the Injectivity of Blowing-up Ring Morphisms, by F. Muinos, F. Planas-Vilanova, January 2009.
Minimal Generators for Symmetric Ideals, by C. Hillar and T. Windfeldt, January 2009.
Symbolic Powers of Radical Ideals, by A. Li and I. Swanson, September 2008.
Combinatorial Symbolic Powers, by S. Sulllivant, April 2008.
Monomial Ideals, by D. Shakin, February 2008.
Linearity defects of fact rings, by R. Okazaki, K. Yanagawa, November 2007

Reviewer / Referee, National Security Agency Mathematical Sciences Program. (2014).

Additional Comments: Review research grant proposals

External Evaluator, T&P, Texas A&M University at Galveston. (2013).

Reviewer / Referee, Possible new book for Taylor and Francis. (September 2013).
Additional Comments: A second heavily revised edition of Monomial Algebras by Rafael Villarreal

Reviewer / Referee, National Security Agency Mathematical Sciences Program. (2011).
Additional Comments: Review research grant proposals

Reviewer / Referee, EWHA Woman's University, South Korea. (2010).
Additional Comments: Peer Reviewer

External evaluator, Dissertation. (2009 - 2010).

Additional Comments: Luis Dupont-García, Centro de Investigación y de Estudios Avanzados del I.P.N.

Attendee / Participant, Joint Mathematical Meetings. (2009).
Additional Comments: Assisted with undergraduate poster session
This session is the event with the largest attendance at the meetings

Member, MAA subcommittee on Undergraduate Research in Mathematics. (2003 - January 2009).

Attendee / Participant, Joint Mathematical Meetings. (2008).
Additional Comments: Assisted with undergraduate poster session
This session is the event with the largest attendance at the meetings

Attendee / Participant, Joint Mathematical Meetings. (2007).
Additional Comments: Assisted with undergraduate poster session
This session is the event with the largest attendance at the meetings

Co-organizer, Special Session in Mathematical Experiences for Students Outside the Classroom at the Joint Mathematical Meetings, New Orleans, LA. (January 5, 2007 - January 8, 2007).

Co-organizer, Special Session in Mathematical Experiences for Students Outside the Classroom at the Joint Mathematical Meetings, San Antonio, TX. (January 12, 2006 - January 15, 2006).

Judge, AWM Essay Contest on Biographies of Contemporary Women in Mathematics. (December 2004).
Additional Comments: high school category

Mentor, AWM Essay Contest on Biographies of Contemporary Women in Mathematics. (2002).

Mentor, AWM Essay Contest on Biographies of Contemporary Women in Mathematics. (2001).

Attendee / Participant, The Olga Taussky Todd Celebration of Careers in Mathematics for Women, Berkeley, CA. (July 16, 1999 - July 18, 1999).
Additional Comments: Panel participant, "Issues and Inside Information for Women in Mathematics,"

Coordinator / Organizer, Special Session in Commutative Algebra and Algebraic Geometry at the Joint Mathematics Meetings, San Antonio, TX. (January 15, 1999 - January 16, 1999).

C. Community:

Member, Central Texas Math Alignment Taskforce (CTXMAT), E3 Alliance, Austin, TX. (January 2018 - 2024).

Additional Comments: Involves a series of meetings with various constituencies (school superintendents, community college math chairs, etc.) regarding mathematics curriculum.

Volunteer, Hands on Housing. (1997 - 2021).

Volunteer, Teach Sunday School. (1991 - 2019).

Judge, Math Pentathalon competition, Austin, TX. (2015).

Speaker, •Career Day speaker. (2015).
Additional Comments: Baranoff Elementary

Volunteer, Math Pentathalon. (2014 - 2015).
Additional Comments: Baranoff Elementary

Volunteer, Boy’s Zoo Keeper. (2009 - 2015).
Additional Comments: summer swim team

Volunteer, “Young Author’s Conference”. (January 2014).
Additional Comments: Baranaoff Elementary

Volunteer, “Young Author’s Conference”. (January 2013).
Additional Comments: Baranaoff Elementary

Volunteer, “Young Author’s Conference”. (January 2012).
Additional Comments: Baranaoff Elementary

Judge, Math Pentathalon competition, Austin, TX. (2011).

Judge, Math Pentathalon competition, Austin, TX. (2009).

Volunteer, Math Pentathalon. (2008 - 2009).
Additional Comments: Baranoff Elementary

Judge, Math Pentathalon competition, Austin, TX. (2008).

Volunteer, “Family Science Night”. (November 2, 2006).
Additional Comments: Baranoff Elementary

Panelist, "Journey to Academia" workshop, Austin, TX. (July 2, 2003).
Additional Comments: UT Austin

Volunteer, Feed and clothe the homeless. (1997 - 2000).

Volunteer, Expanding Your Horizons. (February 26, 2000).
Additional Comments: assist with supervising Junior High girls studying mice under the direction of a geneticist

Judge, Texas State Science and Engineering Fair. (April 4, 1998).
Additional Comments: Judge in the Mathematics category

Volunteer, Habitat for Humanity. (1997).

Judge, Texas State Science and Engineering Fair. (April 12, 1997).
Additional Comments: Judge in the Mathematics category

Volunteer, Expanding Your Horizons. (March 22, 1997).
Additional Comments: supervise Junior High girls doing physics experiments

D. Organization Memberships:

American Mathematical Society.

Association for Women in Mathematics.

Mathematical Association of America.

Phi Beta Kappa.

Pi Mu Epsilon.
Additional Comments: Honorary

E. Service Honors and Awards:

Award / Honor Recipient: Departmental Service Award, Department of Mathematics. December 2025

Award / Honor Recipient: Fellow, Association for Women in Mathematics.
2020

Award / Honor Recipient: Fort Zumwalt Hall of Fame Inductee, Fort Zumwalt High School.
October 5, 2018

Additional Comments: Lifetime achievement award presented by my high school alma matter.

Award / Honor Recipient: Presidential Distinction Award for Service, Associate/Full Professor Category.
2013

Additional Comments: $2,000
2006
Additional Comments: $2,000
2005
Additional Comments: $2,000

Award / Honor Recipient: Service Excellence Award, Department of Mathematics.
2012
December 2006
December 2004
Additional Comments: $600

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

Morey, Susan (Principal), White, Alexander (Co-Principal). THECB Completion Models Grant, Texas Higher Education Coodinating Board, State, $32,500.00. (Funded: August 24, 2021 - August 1, 2022). Grant.
FORM_3b_CM_TexasStateUniversity-1.pdf

2. Submitted, but not Funded, External Service Grants and Contracts:

Treinen, Raymond F (Principal), Morey, Susan (Co-Principal), White, Alexander (Co-Principal), Rusnak, Lucas J (Co-Principal), Guillen Matheus, Nestor D (Co-Principal). S-Stem: Enhancing mathematical readiness and engagement, NSF, Federal, $1,991,478.00. (Submitted: March 2024). Grant.

Rusnak, Lucas J (Principal), Treinen, Raymond F (Co-Principal), Sun, Shuying (Co-Principal), Morey, Susan (Co-Principal), White, Alexander (Supporting), Guillen Matheus, Nestor D (Supporting), Lee, Young Ju (Supporting), Ojeda-Ruiz, Ivan (Supporting). Mid-scale RI-1 (M1:IP): Mathematical

Information Science Collaborative, NSF, Federal, $17,529,101.00. (Submitted: January 2023). Grant.
NSF-RI-1.pdf

Shen, Jian, Morey, Susan, White, Alexander, Sun, Shuying, Rusnak, Lucas J, Sigley, Robert, Shroff, Piyush Ravindra, Gutt-Lehr, Joanna, Ojeda-Ruiz, Ivan. The Texas State University Mathematics Success Initiative: Hispanic-Serving Institutions Program (MSI-HSI Program). (Submitted: January 2019). Grant.

Shen, Jian, Morey, Susan, White, Alexander, Rusnak, Lucas J. The Texas State University S-STEM Mathematics Infusion Initiative (S-STEM-MII). (Submitted: January 2019). Grant.

Faridi, Sara (Principal), Percent Contribution: 50%, Morey, Susan (Principal), Percent Contribution: 50%. Committee for Women in Mathematics, Other. (Submitted: December 2018). Grant.

Additional Comments: Request funds to support participant/speaker attendance at a special session we are organizing as part of an Association for Women in Mathematics Symposium. Request was for $3,000EUROS

G. Service Professional Development Activities Attended:

Conference Attendance, "T3AMS Meeting." (2019 - Present).

Additional Comments: Attend the state-wide meeting for math department chairs, held twice per year. I have attended most and sent a representative for any I could not attend.

Texas State Faculty Development, "Changing Times, Difficult People, and Difficult Situations: Tips, Tools, and Strategies for Managing Our Energy," Texas State. (January 11, 2024).

Conference Attendance, "Annual Convening," Powered by Publics, Denver. (2022).

Workshop, "Aligning Actions at Crossroads," AWM, Minneapolis. (June 2022).

Additional Comments: Participation funded by organizers

Conference Attendance, "T3AMS Fall 2020 meeting." (October 9, 2020).

Additional Comments: Statewide meeting of mathematics department chairs.

Faculty Development, "Helping Graduate Students Dealing with Procrastination, Perfectionism and Mental Health Issues," Graduate College. (February 26, 2020).

Conference Attendance, "TS3 Network Covening." (April 2019).

Conference Attendance, "T3AMS Fall 2018 Meeting," T3AMS, Killeen, TX, United States. (October 13, 2018).

Additional Comments: This is a meeting of chairs of mathematics departments throughout the state of Texas.