

May 2022

CURRICULUM VITAE

Sue Geller

Department of Mathematics
Texas A&M University
MS3368 TAMU
College Station, TX 77843-3368
Room 355C Blocker Building
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CITIZENSHIP: U. S.

DEGREES

Degree	University	Year
B.S.	Case Institute of Technology	1970
M.S.	Cornell University	1972
Ph.D	Cornell University	1975

IN THE PROFESSION

2018- Professor Emerita in Mathematics, Texas A&M University
2004-2017 Professor and Director of Honors Programs in Mathematics,
Texas A&M University
2001-2002 Research Biostatistician, University of California at Davis
1989- Professor of Mathematics, Texas A&M University
1994- Professor of Veterinary Integrative Biosciences,
Texas A&M University
1981-1989 Associate Professor, Texas A&M University
1987-1988 Associate Research Professor, Rutgers University
1984-1987 Associate Professor and Division Head, Texas A&M University
1980-1982 Faculty Fellow, Harvard University
1975-1981 Assistant Professor, Purdue University
1970-1975 TA & Lecturer, Cornell University

SOCIETY MEMBERSHIPS and OFFICES

Member, American Mathematical Society

Joint Committee on Women in the Mathematical Sciences AMS Rep. 1985-1991
Chair 1988-1991

Member, Mathematical Association of America

MAA Visiting Lecturer 1991-1995

MAA Dolciani Series Editorial Board 1997-2003

Committee on Participation of Women skitwright 1988-1993

Committee on the Profession 2003-2009

Chair 2006-2009

Subcommittee on Early Career Development 2005-2009

Committee on Science Policy, *ex officio* 2006-2009

Committee on Science Policy 2009-2012

Joint Data Committee 2009-2015

Strategic Planning Committee on Meetings 2007-2010

Joint Committee on Employment Opportunities 2009-2015

Member, Association of Women in Mathematics

Clerk of the AWM 10/99-2/01

Executive Committee Member, Association of Women in Mathematics 1989-1991

Member, American Statistical Association

Member, International Society for Computational Biology

RESEARCH

RESEARCH PUBLICATIONS

Papers Published or Accepted in Refereed Journals:

1. R. Keith Dennis and **Susan C. Geller**, K_i of Triangular Matrix Rings, Proc. Amer. Math. Soc., **56** (1976), 73-78.
2. **Susan C. Geller**, On the GE_n of a Ring, Ill. J. Math., **82** (1977), 109-112.
3. **Susan C. Geller**, On Some New Algebraic K-groups, J. Pure and Appl. Alg., **11** (1977), 157-178.

4. **Susan C. Geller** and Leslie G. Roberts, The Relationship between the Picard Groups and SK_1 of Some Algebraic Curves, *J. Alg.*, **55** (1979), 213-230.
5. **Susan C. Geller** and Leslie G. Roberts, Excision and K_1 Regularity for Curves with Normal Crossings, *J. Pure and Appl. Alg.*, **15** (1979), 11-21.
6. **Susan C. Geller** and Leslie G. Roberts, Kähler Differentials and Excision for Curves, *J. Pure and Appl. Alg.*, **17** (1980), 85-112.
7. **Susan C. Geller** and Charles A. Weibel, K_2 Measures Excision for K_1 , *Proc. AMS.*, **80** (1980), 1-9.
8. **Susan C. Geller** and Charles A. Weibel, K_1 (A,B,I), *J. für die reine und angew. Math.*, **342** (1983), 12-34.
9. **Susan C. Geller** and Charles A. Weibel, Subgroups of the Elementary and Steinbergsub groups of congruence level I^2 , *J. Pure. and Appl. Alg.*, **35** (1985), 123-132.
10. **Susan C. Geller**, A Note on Injectivity of Lower K-groups for Integral Domains, Applications of Algebraic K-theory to Algebraic Geometry and Number Theory Part II, *Contemporary Mathematics*, AMS, **55** (1986), 437-447.
11. **S. Geller**, L. Reid, and C. Weibel, The Cyclic Homology and K-theory of Curves, *Bull. A.M.S.*, **15** (1986), 205-208.
12. **S. Geller**, L. Reid, and C. Weibel, Cyclic Homology and the K-theory of Curves, *J. für die reine und angew. Math.*, **393** (1989), 39-90.
13. **S. Geller** and C. Weibel, Hochschild and cyclic homology are far from being homotopy functors, *Proc. AMS.*, **106** (1989), 49-57.
14. **S. Geller** and C. Weibel, $K(A,B,I)$: II, *J. K-theory*, **2** (1989), 753-760.
15. Charles A. Weibel and **Susan C. Geller**, Étale Descent for Hochschild and Cyclic Homology, *Comm. Helv.*, **66** (1991), 368-388.
16. **S. C. Geller**, P. Natarajan and K. C. Smith, Endomorphisms of group automata, *Mathematica Pannonica*, **4** (1993), 79-93.
17. **Susan C. Geller** and Charles A. Weibel, Hodge decomposition of Loday symbols in algebraic K-theory and cyclic homology, *J. K-theory*, **8** (1994), 587-632.
18. Guillermo Cortiñas, **Susan C. Geller** and Charles A. Weibel, The Artinian Berger Conjecture, *Math. Z.*, **228** 1998, 569-588.
19. **S. Geller**, A. K. Maloo, D. P. Patil, and L. G. Roberts, Kähler differentials of affine monomial curves, *Beitrage zur Algebra und Geometrie*, **41** (2000), 69-84.
20. Joanne N. Franks, Harry W. Boothe, Lathrop Taylor, **Sue Geller**, Gwendolyn L. Carroll, Victoria Cracas, Dawn M. Boothe, Evaluation of transdermal fentanyl for analgesia in cats undergoing onychectomy, *J. Am. Vet. Med. Assoc.*, **217** (2000), 1013-1020.

21. Don Hulse, Katie Ferry, Andrew Fawcett, Danny Gentry, William Hyman, **Susan Geller**, Margaret Slater, Effect of Intramedullary Pin Size on reducing Bone Plate Strain, *Veterinary and Comparative Orthopaedics and Traumatology*, **13**, 2000, 185-190.
22. Margaret R. Slater, **Sue Geller**, Kenita Rogers, Long-term health problems and predictors of survival of hyperthyroid cats treated with iodine-131, *J. of Veterinary Internal Medicine*, **15** (2001) 47-51.
23. P. Alford, **S. Geller**, M. Slater, C. Honnas, J. Foreman, J. Robinson, M. Messer, M. Roberts, D. Goble, D. Hood, M. Chaffin, Risk Factors for Equine Laminitis: A Multicenter, Matched Case-Control Study, *Preventive Veterinary Medicine*, **49**, 2001, 209-222.
24. Carroll, G.L., Boothe, D.M., Hartsfield, S.M., Waller, M.K., **Geller, S.C.**, Pharmacokinetics and selected behavioral responses to butorphanol and its metabolites in goats following intravenous and intramuscular administration, *Veterinary Anaesthesia and Analgesia*, **28** 2001, 188-195.
25. K.L. Hughes, M.R. Slater, **S. Geller**, W.J. Burkholder, C. Fitzgerald, Diet and Lifestyle Variables as risk Factors for Chronic Renal Failure in Pet Cats, *Prev. Vet. Med.*, **55** 2002, 1-15.
26. Ladson Hinton, Mary Haan, **Sue Geller**, Dan Mungus, Neuropsychiatric symptoms in Latino elderly with dementia and mild cognitive impairment and factors that modulate their association with caregiver depression, *The Gerontologist*, **43** 2003, 669-677.
27. **Sue C. Geller**, Jeff P. Gregg, Paul Hagerman, and David M. Rocke, Transformation and Normalization of Oligonucleotide Microarray Data, *Bioinformatics*, **19** (2003), 1817-1823.
28. Franklin J. Stein, **Sue Geller**, James Carter, Microchip Identification of Equines, *J. Am. Vet. Med. Assoc.*, **223** (2003), 1316-1319.sub
29. Carroll GL, Hartsfield SM, Champney TH, **Geller SC**, Martinez EA, Haley EL, The effect of Medetomidine and its Antagonism with Atipamezole on Stress-Related Hormones, Metabolites, Physiologic Responses, Sedation, and Analgesia in Goats, *Vet. Anaesth. Analg.*, **32** (2005), 147-157.
30. Oanh L. Meyer, **Sue Geller**, Emily He, Hector M. Gonzalez, Ladson Hinton, Acculturation and depressive symptoms in Latino caregivers of cognitively impaired older adults, *International Psychogeriatrics*, 2014, PubMed doi:10.1017/S1041610214000490.
31. Emily Herring, **Sue Geller**, Bhupinder Bawa, and Louise C. Abbott, Functional and morphological changes in the cerebellum of the ataxic, compound heterozygous, tottering/leaner mouse, submitted to *Neurotoxicity Research*, July 2018.

Papers Published in Refereed Proceedings:

1. **S. Geller** and L. Roberts, K_2 of Some Truncated Polynomial Rings, Section 7, Ring Theory Conference Waterloo 1978, Lecture Notes in Math. 734, Springer-Verlag, Berlin, 1979.
2. Patricia F. Campbell and **Susan C. Geller**, Early Socialization: Causes and Cures of Mathematics Anxiety, Women in Science and Engineering Professions, The University of Michigan Press, 1984, 173-180.
3. **Sue Geller**, Lei Zhou, Jeff Gregg, Paul Hagerman, and David M. Rocke, Measurement Error and Reproducibility of Affymetrix Microarray Data with Application to Autism, (extended abstract), in *Currents in Computational Molecular Biology 2002*, Liliana Florea, Brian Walenz, and Sridhar Hannenhalli, eds., RECOMB2002, 68-69.
4. **Sue Geller**, David M. Rocke, Danh Nguyen, Raymond Carroll, Reproducibility, Variance Stabilization, and Normalization in CodeLink Data with Application to Cancer in Rats, (extended abstract), *Currents in Computational Molecular Biology 2004*, Apostol Gramada, Philip E. Bourne (eds.), RECOMB2004, (2004), 184-185.

Abstracts Published

1. Carroll GL*, Boothe DM, Hartsfield SM, Waller MK, **Geller SC**, Behavioral changes and pharmacokinetics of butorphanol and its metabolites in goats following intravenous and intramuscular administration, Proceedings American College of Veterinary Anesthesia (24th Annual Meeting), October 12-13, 2000.
2. Ladson Hinton, **Sue Geller**, Mary Haan, Hector Gonzalez, Generation matters: Acculturation and depression in Latino caregivers, Abstract, Gerontological Society of America, August, 2007.

Preprints and Technical Reports

1. **Susan C. Geller**, Comparative Number Systems and Basic Computer Logic, Computer Equipment and Forms Bulletin, June, 1970.
2. **Susan C. Geller**, A Discussion of Various Indexing Systems and a Model for Them, Battelle Memorial Institute, internal publication (classified), 1969.
3. **Susan C. Geller** and Leslie G. Roberts, Further Results on Excision for K_1 over Algebraic Curves, preprint, 1978.
4. Gregory C. Campbell and **Susan C. Geller**, Balanced Latin Square Designs, Tech. Rep. #80-26, Purdue U., September, 1980.

RESEARCH ADDRESSES

Invited Addresses at Research Conferences

1. Northwestern University, 1 hour, January 14, 1976.
2. Oberwolfach, Germany, July 12, 1 hour, 1976.
3. University of Waterloo, Ontario, Canada, 1 hour, June 15, 1978.
4. AMS Meeting, Bryn Mawr College, invited special session address, 40 minutes, March 16, 1982.
5. AMS Summer Research Conference on Algebraic K-theory, University of Colorado, 1 hour, June 14, 1983
6. Oberwolfach, Germany, 1 hour, May 29, 1984.
7. Oberwolfach, Germany, 1 hour, 16 June, 1987.
8. Plenary Address, MAA, New Jersey Section, 1 hour, 14 November, 1987.
9. NATO Conference on Algebraic K-theory at Lake Louise, Canada, 45 minutes, 8 December, 1987.
10. Oberwolfach, Germany, 1 hour, 8 June, 1988.
11. National Science Foundation, Washington, D.C., 20 minutes, 21 June, 1988.
12. AMS National meeting, Phoenix, invited special session, 40 minute, 12 January, 1989.
13. Southwest Algebra Conference, Lafayette, Louisiana, 1 hour, 27 October, 1990.
14. NATO Conference on Algebraic K-theory at Lake Louise, Canada, 45 minutes, 13 December, 1991.
15. AMS Regional meeting, Rider Cosublllege, New Jersey invited special session, 20 minutes, 6 October, 1997.
16. AMS National meeting, San Antonio, TX, invited special session, 20 minutes, 13 January, 1999.
17. ASA Sacramento meeting, Sacramento, CA, invited special session, 45 minutes, 27 March, 2002.

Invited Research Colloquia

1. Northwestern University, April 29, 1980.
2. Rutgers University, September 5, 1980.
3. Gordon College, January 29, 1981.
4. Southern Illinois University, February 17, 1981.
5. New Mexico State University, March 13, 1981.
6. Case Western Reserve University, March 18, 1981.
7. Queen's University, Kingston, Ontario, Canada, July 19, 1985.
8. Imperial College, London, England, 4 June, 1987.
9. Washington University, St. Louis, MO, 22 April, 1993.
10. University of Minnesota, Minneapolis, MN, 6 January, 1994.
11. TCU Research Lectureship Series, Texas Christian University, Fort Worth, 12 April, 1994.
12. Queen's University, Kingston, Ontario, Canada, 23 July, 1994.
13. Milligan Lecture, University of North Texas, 27 January, 1995.

14. Texas A&M - Commerce, 5 October, 1998.
15. University of Arizona, 22 March, 2002.
16. University of California, Davis, Statistics Colloquium, 16 May, 2002.
17. University of Pennsylvania, Bioinformatics Forum, 25 September, 2002.
18. M. D. Anderson Cancer Center, Bioinformatics/Biostatistics Colloquium, 9 January, 2003.
19. Stephan F. Austin University, Mathematics Colloquium, 28 March, 2003.
20. Sam Houston State University, Piney Woods Lecture Series, 11 October, 2006.
21. Trinity University, Mathematics Colloquium, 11 February, 2010.
22. Baylor University, AWM Colloquium, first in the series, 20 April, 2017.

Invited Research Seminars

1. Texas A&M University, March 25 1981.
2. University of Texas, November 16 1982.
3. Queen's University, Kingston, Ontario, Canada, July 29 and 31, 1985.
4. Queen's University, Kingston, Ontario, Canada, 27, 30 June and 1, 3, 4 July 1986.
5. University of Texas, Austin, Texas, 9 November 1989.
6. Queen's University, Kingston, Ontario, Canada, July 13, 14, and 15, 1993.
7. University of Texas, Austin, Texas, 26 March 1996.
8. University of Arizona, Bioinformatics Seminar, 21 March 2002.
9. Texas A&M University, Bioinformatics Seminar, 31 October 2002.
10. Texas A&M University, Algebra and Combinatorics Seminar, 24 February 2006.

Contributed Research Talks

1. AMS Winter meeting, January 9, 1981.
2. International Congress of Mathematicians, Berkeley, 4 August, 1986.
3. Western North American Region of the International Biometric Society, Los Angeles, 26 June, 2002.
4. Selecting for First-Semester Honors Success, Jonathan Kotinek, Sue Geller, National Collegiate Honors Council, 8 November 2014.
5. Looking for Alternatives to SAT/ACT in Honors Admissions, Sumana Datta, Jonathan Kotinek, and Sue Geller, Honors Education at Research Universities Conference, 18 May, 2015.

Posters

1. Ladson Hinton*, Mary Haan, Sue Geller, Dan Mungas, Neuropsychiatric symptoms in Latinos, Amer. Gerontological Soc., 16 November, 2001.
2. **Sue Geller***, Lei Zhou, Jeff Gregg, Paul Hagerman, and David M. Rocke, Measurement Error and Reproducibility of Affymetrix Microarray Data with Application to Autism, RECOMB2002 (Research in Computational Molecular Biology), Washington, DC, 20 April, 2002.

3. **Sue Geller***, Jeff Gregg, Paul Hagerman, and David M. Rocke, Variance Stabilization, Normalization, and Power Calculations of Affymetrix Microarray Data with Application to Autism, ISMB (International Conference on Intelligent Systems for Molecular Biology, the annual conference of the International Society for Computational Biology), Edmonton, Alberta, Canada, 4 August, 2002.
4. **Sue Geller***, Lei Zhou, Jeff Gregg, Paul Hagerman, and David M. Rocke, Variance Stabilization, Normalization, and Power Calculations of Microarray Data, 40th Anniversary Conference: Frontiers of Statistical Research, Texas A&M University, 11 October, 2002.
5. **Sue Geller***, David M. Rocke, Danh Nguyen, Raymond Carroll, Reproducibility, Variance Stabilization, and Normalization in CodeLink Data with Application to Cancer in Rats, RECOMB2004 (Research in Computational Molecular Biology), San Diego, CA, 28 March, 2004.

GRANTS AND CONTRACTS:

NSF-DMS Grant: EMSW21-MCTP: Transition Points for High School and Undergraduate Mathematics Students, PI: Sue Geller, Co-PIs: Al Boggess, Dante DeBlasie, Peter Kuchment, Dan Lewis; \$1,484,728, April 2008-March 2014.

NSF-DMS Contract for Undergraduate Travel; \$15036
July 2007-June 2010

Texas A&M University Honors Program mini-grant; \$2000
Summer 2007

NSA Contract December 1994- August 1997

NSA Contract June 1992 - October 1994

NSA Contract June 1990 - May 1992

NSF Visiting Professorship for Women Rutgers University
June 1987 - June 1988

NSF Contract December 1985 - May 1987

NSF Contract June 1982 - Nov. 1984

NSF Contract July 1977 - May 1979

Faculty Fellow, The Bunting Institute Radcliffe College/Harvard University
July 1980 - June 1982

Purdue University XL Grant 1976, 1977

AWARDS:

Texas A&M University Distinguished Service Award in Individual Student Relationships	2015
MAA, TX Section, Ron Barnes Distinguished Service to Students Award	2014
Women's Faculty Network Mentoring Award	2014
Honors and Undergraduate Research Director's Award	2012
Department of Mathematics Outstanding Teaching Award	2008
Department of Mathematics Outstanding Teaching Award	1998
Department of Mathematics Outstanding Service Award	1996
First annual AWM speaker and honored guest, Baylor University	20 April, 2017.
The Sue Geller Undergraduate Lecture Series was named in the Dept. of Mathematics at Texas A&M University	2017

TEACHING

At Purdue

Graduate

- Advanced Linear Algebra
- Abstract Algebra
- Complex Variables

Undergraduate

- Calculus
- Differential Equations
- Abstract Algebra
- Linear Algebra

At TAMU

Graduate

- Methods of Applied Mathematics (for Engineers)
- History of Mathematics (a distance course)
- Commutative Ring Theory
- Group Theory
- Linear Algebra for Applications
- A Survey of Mathematical Problems I (local and distance)

A Survey of Mathematical Problems II (local and distance)
Abstract Algebra I
Abstract Algebra II
Seminar in Algebra – Error Correcting Codes
Seminar in Algebra - An MS level Abstract Algebra Class for the distance program
Independent Study (4 different courses, some local, some distance)
Dissertation Research
Algebra class in a Summer Bridge Program for incoming US graduate students

Undergraduate

College Algebra
Calculus (for 3 different clientele)
Finite Mathematics
Contemporary Mathematics I
Contemporary Mathematics II
Transition to Higher Mathematics (220)
Linear Algebra – first course for Mathematics Majors
Introduction to Discrete Mathematics (for Engineers)
Linear Algebra for Engineers
Differential Equations
Introduction to Mathematical Structures – for pre-service Middle School
Mathematics Specialists
Intermediate Modern Algebra – for Secondary pre-service teachers
for whom math is their second teaching field
Communications in Mathematics
Modern Algebra I
Modern Algebra II
Applied Linear Algebra
Applied Modern Algebra
Combinatorics - senior level
Independent Study (many different subjects plus for internships)
Undergraduate Research

Course Development

A Survey of Math Problems I and II (Math 645-646) with Harold Boas:

This is a year long course required for the MS in Mathematics, teaching option, but appropriate as a transition course for entering MS students. In Fall, 2000, I taught a Texas Television Network section of this course to people in San Antonio.

Introduction to Mathematical Systems (Math 368)

I redesigned Math 368, the last required mathematics course for math specialists in grades 4-8, in Fall, 2003 and in Fall, 2012.

Communications in Mathematics (Math 396)

I designed a one credit hour course to meet the University requirement for a communications course in the major, then obtained University approval for it to be a C course. I've taught the class many times.

Abstract Algebra for Masters' Level Students

This course is designed for our distance MS students and assumes that they have seen some abstract algebra or at least taken A Survey of Math Problems I and II so that they have some proving skills. I hope to offer a slightly different version for on-campus MS students or Ph.D. students with weak enough algebra skills to need more work before taking the Ph.D. level (qualifying level) algebra class. I have designed and offered as an independent study course a second semester to complete an MS level of the Ph.D. level Abstract Algebra.

Program Design

In Fall 2016, I designed, received permission from the Associate Dean for Undergraduate Affairs, and supervised the mentor in a new way to fulfill a requirement for Regents' Scholars, namely, requiring the students to meet with the mentor 30 minutes every week as part of their scholarship requirement. The mentor tutored them in math as needed as well as help them transition to college. These students are all first generation students with high economic need. We usually have 30% on probation or dropped (GPA less than 2.0) and the lowest GPA this fall was 2.466 with many over 3.0.

This idea is being used Fall 2017 at the University level for Regents Scholars from departments without their own programs. Math graduate students were hired as the tutors.

In the College of Science, this idea is being used Fall 2017 for all incoming Freshman at risk with faculty as mentors but not requiring attendance.

At the University level, all Regents Scholars not in departmental or college programs are being tutored in math by math graduate students for the 2017-2018 academic year.

Graduate Students

MS Committee Chair: 116 graduated non-thesis in mathematics
1 (thesis) in Epidemiology (as co-chair),
1 (thesis) in Veterinary Integrative Biosciences

Ph.D. Committee Co-Chair: 2 (1 in mathematics and one in math education)

TEACHING FUNDING • "Funding to produce honors materials for Math 131 and 142" from the University Honors Program, \$2000, 2007

- NSF-DMS Contract for Undergraduate Travel; \$15036 July 2007-June 2010

• NSF-DMS Grant: EMSW21-MCTP: Transition Points for High School and Undergraduate Mathematics Students, PI: Sue Geller, Co-PIs: Al Boggess, Dante DeBlassie, Peter Kuchment, Dan Lewis; \$1,484,728, April 2008-March 2014.

TEACHING PUBLICATIONS

• Harold P. Boas and **Susan C. Geller**, *Survey of Mathematical Problems*, instructor's guide, copyright 1995-1999, web published, <http://people.tamu.edu/~geller>.

• **Sue Geller** Using Humor to Combat Inequities, Chapter 18 in **Women in Mathematics: 100 Years and Counting**, AWM/Springer, ISBN 978-3-319-66693-8, 2017.

• **Sue Geller** Simply not Simple, *American Mathematical Monthly*, Volume 127, Issue 4, pages 352-353, 2020.

• **Sue Geller** Trying to Make the World a Better Place, Chapter 15 in **Fifty Years of Women in Mathematics** AWM/Springer, eBook ISBN 978-3-030-82658-1, Print ISBN 978-3-030-83657-4, 2022.

INVITED TEACHING ADDRESSES, COLLOQUIA, SEMINARS & TALKS

1. Texas A&M - Commerce, "A Flexible Master of Science Program That Serves Many Different Constituencies", 1 hour colloquium, 5 October, 1998.
2. Texas Community College Teachers Association (TCCTA), Houston, TX, Panel moderator, "To Reform or not to Reform; that is the question," 1 hour panel, 18 February, 1999.
3. Sydney University Tertiary Mathematics Education Group, Australia, "A Survey of Math Problems, the courses: what, to whom and why," 1 hour seminar, 9 August, 1999.
4. MER conference, Tempe, AZ, panel member, "Professional MS degrees in Mathematics at Texas A&M University," 1 hour panel, 5 November, 1999.
5. Department of Mathematics, University of Missouri, St. Louis, "Professional Masters Degrees in Mathematics: What, Why, and How," 1 hour invited colloquium, 10 December, 1999.
6. MER conference: *Professional Master's Degrees in Teaching Mathematics: Exploring Options in Teacher Education*, University of Cincinnati, Ohio, "A Master's Degree in Mathematics for People Who Want to Teach: What, Why, and How," 1 hour plenary panel, 14 September, 2001.
7. Texas A&M University Summer High School Program, "Using Mathematics in Microarray Analysis," 13 June, 2005.

8. Texas A&M University Summer High School Program, "Using Mathematics in Microarray Analysis," 27 June, 2005.
9. Texas A&M University Summer High School Program, "Using Mathematics in Microarray Analysis," 19 June, 2006.
10. Texas A&M University Summer High School Program, "Using Mathematics in Microarray Analysis," 26 June, 2006.
11. Texas A&M University Summer High School Program, "Using Mathematics in Microarray Analysis," 11 June, 2007.
12. Texas A&M University Summer High School Program, "Using Mathematics in Microarray Analysis," 25 June, 2007.
13. Joint Mathematics Meetings, "Research for Beginning Mathematics Students," 6 January, 2013.
14. Joint Mathematics Meetings, "Mentoring Women and Minorities in General Summer Programs," special session, 7 January, 2013.
15. Texas State University, "Fermat's Last Theorem: History, Attempts, Unsolved Issues," during Women Do Math Day, 1 hour colloquium, 4 October 2018.
16. University of North Texas, "Fermat's Last Theorem: History, Attempts, Unsolved Issues," 1 hour colloquium, 15 November 2019.

CONTRIBUTED TEACHING ADDRESSES, COLLOQUIA, SEMINARS & TALKS

1. AMS National meeting, San Diego, CA, "A New MS in Mathematics Option for Teachers," 10 minute , 10 January, 1997.
2. MAA Texas Section meeting, Southern Methodist University, "An MS in Mathematics Option for Teachers," 15 minutes, 27 March, 1998.
3. Conference for the Advancement of Mathematics Teaching, San Antonio, TX, "Learn about Group Learning by Learning Mathematics in Groups," 2 hour workshop, given twice, 23 and 24 July, 1998.
4. Texas Community College Teachers Association (TCCTA), Houston, TX, "An MS in Mathematics Option for Teachers," 15 minutes, 18 February, 1999.

SERVICE

SERVICE ACTIVITIES

Extra-University Service

Joint Committee on Employment Opportunities	2009-2015
Joint Data Committee	2009-2015

Project NeXT Consultant 8 people	5 cohorts
MAA Strategic Planning Committee on Meetings	2007-2010
MAA Committee on the Profession	2003-2009
Chair	2006-2009
MAA Subcommittee on Early Career Development	2005-2009
MAA Committee on Science Policy, <i>ex officio</i>	2006-2009
regular member,	2009-2012
Clerk of the AWM	10/99 - 2/01
AWM Workshop Program Committee Member	1999-2002
Member of International Organizing Committee for “Mathematics, Information, Education, and Gender Studies,” sponsored by the Russian Association for Women in Mathematics and Education, 22-26 May, 2000, Voronezh, Russia.	
Chair of Selection Committee for the AWM Olga Taussky-Todd Conference,	1998-1999
Member of the Research and Projects Career Development Grants Panel, American Association of University Women,	7/1998-6/2000
Invited delegate of a US delegation to Russia of women in mathematics, (sponsored by People to People International)	16-25 May, 1998
AWM Committee to select graduate students to present/participate in a workshop at the January AMS/MAA meetings, member 1996, 1997, chair 1995, 1998.	
AWM mentor to graduate students and postdocs at the workshop at the January AMS/MAA meetings	1997-2005
Dolciani Mathematical Expositions Editorial Board, MAA	1997-2003
MAA Visiting Lecturer	1991-1995
Women and Mathematics speaker	1988-2017
Joint Committee on Women in the Mathematical Sciences AMS Rep.	1985-1991
Chair	1988-1991
Executive Committee Member, Association of Women in Mathematics	1989-1991
Committee on Participation of Women, MAA	skitwright 1988-1993
Reviewer for Math Reviews	1977-2000
Reviewer for Zentralblatt	1977-1992
Reviewer for NSF	1981-2017
Reviewer for NSA	1997-2017
NSF Panelist	1992-1993
Referee for various journals	1977-2017
Reviewer of various textbooks	1985-2017

University Service

Graduate Grievance Panel Chair	2012-2018
University Writing/Communication Committee	2012-2018
Astronaut Scholarship Selection Committee	2012-2017
University Honors Program Advisory Board member	2009-2017
Honorary Degree Committee	2008-2011
Tenure Mediation Committee, Chair	2008-2009

Vice Chair	2009-2010
Chair,	2010-2011
Goldwater Selection Committee	2004-2016
Mediator for the Dean of Faculties	2003-2018
Women Faculty Network Mentor	2002-2018
Statement on Academic Freedom, Responsibility, and Tenure Committee, co-chair	12/96-6/97
Committee on Academic Freedom, Responsibility, and Tenure (CAFRT), Chair	1/96- 9/02
CAFRT, Acting Chair	9/96-9/97
CAFRT, Vice-Chair	1/96-9/96
CAFRT panelist	1993-1996
CAFRT, Chair	1983-1984
Mediator for Student Conflict Resolution Center	1994-2018
University Scholarship Committee	1991-1996
University Scholarship Committee, Chair	1993-1994
University Lecture Series Committee	1990-1992
Women's Faculty Network Mentors Program Steering Committee	1991-1997
Women's Faculty Network Mentor	1991-2017

College of Science Service

Dean Search Committee	1991
Chair, College of Science Grievance Committee	1990-1991
Vice-chair, College of Science Grievance Committee	1989-1990
Dean's Faculty Advisory Committee	1984-1986

Department of Mathematics Service

Designed, ran a Summer Bridge program for incoming US grad students	2006-2014
Director of Honors Programs in Mathematics	2004-2017
Chair, Scholarship Committee	2004-2017
Member, Undergraduate Committee	2003-2017
Faculty Sponsor, AWM student chapter	2003-2016
Graduate Advisor and Mentor for some incoming students	2002-
Graduate Advisor and Mentor for incoming students	1993-2000
Mentoring junior faculty	1984-2018
Texas A&M Mathematics Tournament, operations	1993-1997
Committee to rewrite the Student Evaluation Forms, chair	1996
Subcommittee P&T	1994-1996
Chair, Committee P (Full Professors)	1992-1993
MS in Teaching Committee	Fall, 1994 - Spring, 1995
Math 141 course coordinator	Spring, 1994
Math 166 course coordinator	Fall, 1993
Vice-Chair, Department of Mathematics Head Search Committee	1992-1993
Undergraduate Majors Committee	1990-1992

Undergraduate Advisor	1990-1992
Undergraduate Advisor	1985-1987
Graduate Studies Committee	1991-1992
Graduate Studies Committee	1981-1985
Chair, Business and Life Sciences Textbook Committee	1982-1992
Algebra Textbook Committee	1981-1992
Algebra Textbook Committee	1993-1995
Organized Algebra Seminar	1981-1987
Long Range Planning Committee	1983-1984

Department of Veterinary Anatomy and Public Health Service, now Veterinary Integrative Biosciences

Promotion and Tenure Committee	1997-2001
Mentoring Junior Faculty	1994-2017
Epidemiology Search Committee	1994

Program Development

Implemented and basically ran the newly designed MS in Teaching, and advised incoming students in the program	1994-2001
Designed a general departmental honors program and had it approved by the University	2003-2004
Designed and got approval of both an honors major and an honors minor in mathematics	2003-2004
Grew and ran the departmental honors programs	2004-2017

Other Service Activities

Member, Board of Directors, Brazos Valley Dispute Resolution Center	2003-2008
Teach math to the academic decathlon students at Bryan High School,	2000-2006
Volunteer mediator, Brazos Valley Dispute Resolution Center	1995-
Fund raiser for the local Public Radio Station, KAMU	1995-2017
Volunteer at the Presbyterian Children's Home in Itasca, TX	1997-2001
Teacher Evaluation Committee (Purdue)	1977
Graduate Student advisor (Purdue)	1979-1980
Track Meet official (Purdue)	1978-1980

SERVICE PUBLICATIONS:

1. **Susan C. Geller**, Book review of *An Introduction to Algebraic K-theory* by J. R. Sylvester, Bull. AMS., **7** (1982), 616-618.
2. **Susan C. Geller**, Book review of *Real Linear Algebra* by Antal E. Fekete, MAA Monthly, **94** (1987), 86-88.

3. **Susan C. Geller**, 1989 Skits, a chapter of *Winning Women to Mathematics*, MAA, 1991.
4. **Susan C. Geller**, Skit-Kit, 1990 skits, MAA, 1991.
5. **Susan C. Geller**, 1991 skits, MAA, 1992.
6. **Susan C. Geller**, 1992 skits, MAA, 1992.
7. **Susan C. Geller** and unknown artist, Cartoons of my skits, Wall Street Journal, 11 September, 1992, p. B8.
8. Hal Gren and **Susan C. Geller**, Comic strip on women in math and science, Glamour, April, 1993, 235-236.

INVITED SERVICE ADDRESSES, COLLOQUIA, SEMINARS AND TALKS

1. Indiana Central University, Panel discussion, "Perspectives on the job market for mathematicians," MAA meeting, November 5, 1977.
2. Women in the Professions Conference, Purdue University, Panel discussion, "Math Anxiety", March 21, 1981.
3. A Celebration of our Work Conference, Rutgers University, "The Changing (?) Barriers to Women in Mathematics", 24 May, 1988.
4. Trinity University, San Antonio, Texas, "Error-Correcting Codes: How to talk to Mariner 9 and be understood," seminar for mathematics majors, 22 October, 1992.
5. Trinity University, San Antonio, Texas, "Opinion Polls: How 1200 people can speak for a nation," public address jointly sponsored by the mathematics and political science departments, 22 October, 1992.
6. Graduate Women's Business Network, Texas A&M University, "Laughing in the face of adversity", 13 April, 1993.
7. Presbyterian Children's' Home, Itasca, Texas, "Mathematics for Survival", 45 minute talk, 2 March, 1994.
8. Focus on Mentoring, Only invited speaker, University of Minnesota, Minneapolis, MN, three 1 hour addresses, six 1 or 1 1/2 hour workshops, 16-18 May, 1994.
9. Fifth Annual Conference on Undergraduate Research, Bates College, Lewiston, Maine, "Enhancing the Climate for Women and Minorities in the Undergraduate Research Experience", two 1 hour workshops, 24 June, 1994.
10. 3rd annual conference of Women in Science and Engineering (WISE), Texas A&M University, Kick-off speaker and moderator for a session on mentoring, 25 February, 1995.

11. Visiting Scholar Program, Queen's University, Kingston, Ontario, Canada, "Encouraging Women and Minorities in Mathematics and Science", a talk with a discussion following (2 hours total), 29 June, 1995.
12. Women's Studies 200 on History of Women in Science and Engineering, Texas A&M University, 1 hour talk, March, 1995.
13. WISE meeting, a panelist (one of 4) on "Mentoring," Texas A&M University, 30 March, 1995.
14. Visiting Scholar Program, Queen's University, Kingston, Ontario, Canada, "Encouraging Women and Minorities in Mathematics and Science", a talk with a discussion following (2 hours total), 29 June, 1995.
15. Women's Studies 489-200 (honors course), "Grad school in Mathematics, my research area, and how I chose to be a mathematician", 31 October, 1995.
16. WISE meeting, TAMU, "Using Humor in Teaching and Survival," 1 hour address, 25 April, 1996.
17. Women's Faculty Network TAMU, panel member, "Necessary Art of Persuasion: Part I," 1 hour panel, 10 February, 1999.
18. AMS Panel at the Joint Mathematics Meetings, "Post-tenure Review at Texas A&M University," Washington, DC, 19 January, 2000.
19. AWM Panel Moderator at the Joint Mathematics Meetings, "Starting a Career in Mathematics," Washington, DC, 22 January, 2000.
20. Math Medley, a radio call-in show on which I was the only featured guest that hour, "A Mathematical Smorgasbord," KNFX in Arizona and WALE in Providence, RI, 29 July, 2000.
21. Nebraska Conference for Undergraduate Women in Mathematics, "How to Pick a Graduate School," The University of Nebraska, Lincoln, Nebraska, 8 February, 2003.
22. Math Club, "Graduate School at Texas A&M," Stephan F. Austin University, Nacogdoches, TX, 28 March, 2003.
23. The Women's Center, "Starting Your Career: Then and Now," Texas A&M University, 23 April, 2003.
24. Panelist, Course Design Administrivia and how to Deal with it, Project NeXT, Math-Fest, 11 August, 2004.
25. Panelist, Long-term mathematics faculty outside of the tenure track: Possibilities, pitfalls, and practicalities, MAA Committee on the Profession, Joint Mathematics Meetings, Atlanta, 7 January, 2005.
26. Panelist, Firefighting, paper trailing, and cat herding: Everything you wanted to know to be an administrator but were afraid to ask, Project NeXT, Joint Mathematics Meetings, San Antonio, 12 January, 2006.

27. Panelist, Scholarship scenarios, MAA Committee on the Profession, Joint Mathematics Meetings, San Antonio, 13 January, 2006.
28. MAA Poster Session, Special mathematical outreach programs, Joint Mathematics Meetings, San Antonio, 14 January, 2006.
29. Moderator and panelist, Ethics in the Mathematical Sciences, Joint Mathematics Meetings, New Orleans, 5 January, 2007.
30. Moderator of panel for Faculty at the Nebraska Conference for Undergraduate Women in Mathematics, 9 February, 2008.
31. Panelist, What to do this summer, Nebraska Conference for Undergraduate Women in Mathematics, 9 February, 2008.
32. Moderator, What to do with your summer, Nebraska Conference for Undergraduate Women in Mathematics, 31 January 2009.
33. Moderator, What to do with your summer, Nebraska Conference for Undergraduate Women in Mathematics, 30 January 2010.
34. Moderator, What to do with your summer, Nebraska Conference for Undergraduate Women in Mathematics, 29 January 2012.
35. Mentor at the Faculty luncheon on How to mentor students in Undergraduate research, Nebraska Conference on Undergraduate Women in Mathematics, 26 January 2013.
36. Moderator, What to do with your summer, Nebraska Conference for Undergraduate Women in Mathematics, 27 January 2013.
37. Mentor at the Faculty luncheon on How to be promoted to Professor, Nebraska Conference on Undergraduate Women in Mathematics, 26 January 2013.
38. Panelist at JMM in San Antonio, "Career ladders for full-time, nontenure-track faculty", 10 January, 2015.
39. Texas State University, "One Career, Many Specialies," 1 hour invited address, 15 February 2019.