

March 21, 2014

CURRICULUM VITA: **G. Donald Allen**

CURRENT OFFICE ADDRESS AND CONTACT POINTS

Professor of Mathematics  
Director, Center for Technology-Mediated Instruction in Mathematics  
Director, Online Masters in Mathematics Program  
Department of Mathematics  
Texas A&M University  
College Station, Texas 77843-3368

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9215 Brookwater Circle  
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Houston, TX 77056

Citizenship: U.S.A.

<b>Degree</b>	<b>Major</b>	<b>University</b>	<b>Year</b>
	Mathematics	University of Wisconsin, Madison	1971
	Mathematics	University of Wisconsin, Milwaukee	1966
	Mathematics	University of Wisconsin, Milwaukee	1965

SERVICE: UNIVERSITY SERVICE AND COMMITTEES

- Information Technology Working Group (ITWG), 2000- founding member.
- Co-director IT Lab, College of Science, 2001- present.
- Appointed, (Southwest Educational Research Association), Instruction, learning and cognition section, co Division Chair 2008-2009.
- Member, Teacher Quality Grants Instructional Leaders Community, 2007-2009.
- Consulting Editor, Thomson Higher Education, 2006-2007.
- Math TEKS Connections (MTC) - Geometry Advisory Board, funded through the TEA, 2006-2007. Chair, GK-12 Educational Outreach Institutionalization Committee, 2007 - 2010.
- Member, STEPS Management Team (College of Engineering), 2006 - 2008.

- Member, Camtasia Steering Committee, November 2005 - 2008.
- Member, Sigma Xi educational outreach committee, William Klemm, Chair, July 2005 - 2008.
- Member, Committee on Academic Freedom, Responsibility, and Tenure (CAFRT), Preliminary Screening Committee, Vice-Chair, 2005-2006.
- Member, Quality Enhancement Plan (QEP) Council, College of Science, 2004 - 2007.
- Member, President's Executive Committee Task Force for Enhancing the Undergraduate Experience, Jim Eddy, Chair, 2004 -2005.
- Grass Roots P-16 Consortium, (Statewide) 2005 - present.
- Regents Scholar Mentor program (11/29/2004 - 2007).
- Member, NSF PEER Distance Learning Community group, a component of the Partnership for Environmental Education and Rural Health, (See, [http://peer.tamu.edu/DLC/NSF\\_Resources.asp](http://peer.tamu.edu/DLC/NSF_Resources.asp)), 2004 - 2008.
- Member, Regent Initiative, Academy for Educator Development Advisory Committee, TAMUS, 2004 -2005.
- Member, College of Science University Curriculum Committee, Sept 2004 - 2007.
- Member, College of Science Quality Enhancement Plan Council, (members: Dr. Michael Hall, Chemistry/Dean's Office (Chair) Dr. Vincent Cassone, Biology Dr. Donald Allen, Mathematics Dr. Lewis Ford, Physics Dr. Michael Speed, Statistics), 2004-2007.
- Member, Clinical Faculty Review Committee for TLAC (Department of Teaching Learning and Culture, College of Education), 2004-2005.
- Member, NSF G-K12 Fellows steering committee, (Larry Johnson, Dept of Vet Science, Chair), 2004-2009.
- Member, NSF G-K12 Fellows Recruiting and Selection Committee, (Vince Cassone, Dept of Biology, Chair), 2004 -2009.
- Member, Distance Education Review Committee, (Provost's office) F. Michael Speed, chair, 2003-2004.
- Co-director Information Technology (IT) Lab, College of Science, (2001-present)
- Member, Distance Education Coordinators in the Office of Distance Education, 2002 - 2005.
- Committee on Academic Freedom, Responsibility, and Tenure, (CAFRT) 2002-2005.
- Member, Computational Kinetics Theory Group, (Primary interest is in mathematical models and numerical solutions to the Transport Equation, particularly related to neutron kinetics and vehicular traffic flow modeling. The CKTG is headed by Dr. Paul Nelson who is affiliated with the Math, Computer Science, and Nuclear Engineering, Departments at Texas A&M University. ) 1997 -2004.
- Office of Distance Education Faculty Advisory Committee, (2002 - )
- Committee on Academic Freedom, Responsibility, and Tenure, (CAFRT) 2002-2005
- Faculty Search Committee, Department of Teaching, Learning, and Culture, 2002
- Reviewer for Distance Education RPF for online course development (Oct/Nov 2001)
- APC Faculty Workstation Committee (TAMU), 2001- (Pierce Cantrell, Chair)
- AdHoc Committee on Intellectual Property, 2000. (C. Roland Haden, Chair)
- Faculty Workstation Committee (TAMU), 2001 - 2005 .
- Texas A&M University ad hoc Intellectual Property Committee (TAMU), 2000-2001.

- University Laboratory Renovation Committee (TAMU), (William Perry, chair), 1999-2001.
- Member, Faculty Senate 1999-. Academic Affairs Committee 1999-2000.
- Member, Faculty Senate 1985-1987, 1999-2002. Chair, Personnel and Welfare Committee 1986-87.
- Faculty Senate, 1999-2002.
- Member, Faculty Senate 1999-. Academic Affairs Committee 1999-.
- Faculty Senate, 1999-2002.
- Faculty Advisory Council, College of Science, vice-chair (1997-98) chair (1998-1999), 1996-1999.
- Mentors, 1990-current.
- Mentors Executive Committee, 1996-1997, an oversight group for the welfare of student life, Texas A&M University, 1990-1998.
- University recruiting representative to University of Minnesota, Carleton University, St. Olaf's College, Oct. 25-27, 1988.
- College of Science Faculty Advisory Committee, 1983-1985.
- University Faculty Advisory Committee, 1978.

#### DEPARTMENTAL SERVICE AND COMMITTEES:

- Associate Department Head for Operations: from 1981-1983 and 1992-1994, 2006 - 2011.  
Duties include:
  - o Scheduling and assigning courses
  - o Supervising over twenty-five lecturers
  - o Liaison with students
  - o Administering complaint issues
  - o Attending Executive Committee meetings
  - o Liaison with other administrative units
  - o Curriculum development
  - o General administrative duties
  - o Administering IEEF (Institutional Enhancement Equipment Fee) funds
- Executive Committee, 1994-1995, 1997-1999, 2006-2011.
- Honors Committee, 2005 - 2012.
- Undergraduate Studies Committee, 2006 - 2011.
- Texas Math Talent Search, (Peter Kuchment, chair), 2004-2010.
- Undergraduate Studies Committee, (2004 - 2008), Chair.
- Scholarship Committee (2004-2008), Chair.
- Undergraduate Recruiting Committee, 2004.
- Graduate Studies Committee (2003-2004). Teaching Evaluation Committee, 2002-2003.
- Committee to develop an undergraduate mathematics major with an Information Technology specialty, 2002.

- Promotion & Tenure policy review committee, 2001, Chair.
- Information Technology Working Group, founding member, 1999 - .
- Department of Mathematics, Executive Committee, 1999 - 2001
- Undergraduate Committee, Department of Mathematics, 1996 – 2000.
- Chair, Faculty Advisory Council, College of Science, 1998-1999, Chair 1999
- Member, Faculty Advisory Council, College of Science, 1996-1998.
- Member, Undergraduate Studies Committee, 1996-1999.
- Member, Subcommittee P, Department of Mathematics, 1992.
- Chair, Committee on Computer Software, Department of Mathematics, 1992.
- Chair, Committee on Space, Department of Mathematics, 1992.
- Committee on Academic Freedom, Tenure and Responsibility, 1991-1993, TAMU.
- Course Coordinator of Math 151, Math 152, Math 142, and other for various years.
- Department Head Search Committee, Department of Mathematics 1983.
- Graduate Studies Committee, 2002-2004.
- Undergraduate Studies Committee, 1998-2002.
- Undergraduate Advisor 1986-1992.
- Library Committee, 1971-1976.
- Promotion and Tenure Committee, 1975-1978.
- Colloquium Committee, 1976-1977.

#### OTHER SERVICE AND COMMITTEES

- Executive Steering Committee - ICTCM (International Conference on Technology in Collegiate Mathematics) 2000 - present.
- Grass Roots P-16 Consortium, (Statewide) 2005 - present.
- Member, Teacher Quality Grants Instructional Leaders Community, 2007-2010.
- Consulting Editor, Thomson Higher Education, 2006-2007.
- Math TEKS Connections (MTC) - Geometry Advisory Board, funded through the TEA, 2006-2007.
- Member, Assessment Strand Speakers Committee, ICTCM, 2005 - 2006.
- Chair, Review Committee for Nicholls State University, appointed by the State of Louisiana Board of Regents, June 8-12, 2003.
- Co-chair. Multimedia Speakers Committee, ICTCM, Oct 30, 2001- Nov2, 2003.
- Regent's Initiative, Academy for Educator Development, member. 2002 - 2006.
- Strategic Planning Process, a district planning project of the College Station Independent School District, 1998-1999.
- Urban Systemic Initiative, Coalition of 8 ISD's in San Antonio. Pre-grant preparation. (Amount requested, \$15M.) September 1994-August 1995.
- Judge, Brazos Valley Regional Science Fair, March 1996-2001, College Station Team Projects, Chair.
- Judge, Regional Science Bowl, at Texas A&M University, February, 1998-2000. Judge, Department of Energy Science Bowl, 1998, College Station, TX.
- Participant in the Conservation and Sustainable Development Initiative, Futurescapes II, TAMU April 13-14, 1989.
- Judge, Brazos Valley Regional Science and Engineering Fair, 1989-1999.

- Judge for the National Council of Teachers of Mathematics at the Brazos Valley Regional Science and Engineering Fair, 1991-1993.
- Participant in the Academic Administrator and Development Seminar, Texas A&M University, April 19-21, 1993.

#### IN THE PROFESSION - PART I

- 2006-2011, Associate Head, Department of Mathematics
- 1995- Professor, Texas A&M University
- 1994-1995 Associate Dean, University of Texas---San Antonio, Texas (on leave)
- 1992-1994 Associate Head for Operations, Mathematics, Texas A&M
- 1988- Professor of Mathematics, Texas A&M.
- 1981-83 Associate Head, Mathematics, Texas A&M
- 1976-88 Associate Professor of Mathematics, Texas A&M.
- 1974 ONR Research Support Contract N0014-680A-0303-0003(Summer)  
R.E. Schapery, P.I.
- 1973 NSF Research Support, Contract GP 38486. College (Summer) of  
Science (TAMU) Research support.
- 1972 Research Support, Texas A&M University. (Summer)
- 1971-76 Assistant Professor, Department of Mathematics, Texas A&M University,  
College Station, Texas.

#### IN THE PROFESSION – PART II

- Associate Editor, School Science and Mathematics Journal, 2005-
- Associate Editor, Focus on Mathematics Pedagogy and Content - a newsletter for  
math teachers
- Editor, *The Math/Science-Online Newsletter* 1999 – 2004.
- Associate Editor (Reviews) College Mathematics Journal, 1999-2005
- Associate Editor, Transport Theory and Statistical physics, 1990-1997.
- Member, Computational Kinetics Theory Group, (Primary interest is in mathematical  
models and numerical solutions to the Transport Equation, particularly related to  
neutron kinetics and vehicular traffic flow modeling. The CKTG is headed by Dr.  
Paul Nelson who is affiliated with the Math, Computer Science, and Nuclear  
Engineering, Departments at Texas A&M University. ) 1997 -2003
- Member, Society for Industrial and Applied Mathematics
- Associate Member, Center for Approximation Theory, Texas A&M
- Editor, *The Math/Science-Online Newsletter*
- Associate Editor, College Mathematics Journal.
- Member, Mathematical Association of America
- Referee for numerous journals.
  - a) Associate Editor, Journal School Science and Mathematics, 2006-
  - b) Associate Editor, College Mathematics Journal
  - c) Editor, The Math/Science Online Newsletter
  - d) Refereed for these journals:
    - i) Mathematical Modeling and Analysis

- ii) Science and Education
- iii) Applied Mathematics Letters
- iv) School Science and Mathematics
- v) The AMATYC Review
- vi) Transport Theory and Statistical Physics; Journal of Mathematical Sociology; SIAM J. Math. Anal.
- vii) Journal of Mathematical Sociology; SIAM J. Math. Anal.
- viii) Discrete and Continuous Dynamical Systems and Differential Equations

#### CONSULTING

- MTC geometry grant, 2007 (TEA Award number is 050245247110001).
- WebALT (Web Alternative Learning Technologies), 2006- 2010.
- Thomson Higher Education, Consulting Editor, 2006-2008.
- Department of Mathematics, University of Idaho, online calculus project, funded through a Congressional earmark. June 13-20, 2005
- TAMUS/Teacher Education Agency on professional development materials, 2004-2005.
- Wiley (2003-2004) Q&A work for Boyce-DiPrima, Ordinary Differential Equations
- LSU - Eunice, LA, SACS (Southern Association of Colleges and Schools) pre accreditation consultation team, March 29-31, 2004. Aerospace Academy for Engineering and Teacher Education, an education-industry-government collaboration, <http://www.aerospaceacademy.org/index-ie.html>. 2002-2003
- Bowling Green University (2002) - Creating an online masters degree
- University of Houston (2001-2002)- Putting mathematics courses online; developing an online masters program.
- Addison-Wesley-Longman, 1999 - 2002.

#### RECENT GRANTS

1. Texas Higher Education Coordinating Board (THECB), Algebra, ~\$98,000, 2012-2014.
2. Halliburton Corporation, Mathematics All Around Us: Oil and Gas Applications, \$27,716, 2011-2012
3. Developmental Education Demonstration Project Evaluation 2011-2012: Co-Pi with Jim Dyer, M. M. Capraro. Awarded April, 2011 to Texas Higher Education Coordinating Board, Awarded \$399,998, co-Investigator, 6/10/11 – 10/31/12.
4. National Science Foundation (NSF), Preservice Teacher Effectiveness for Algebra I, Gerald Kulm, PI, September 1, 2010 - August 31, 2015, \$1,778,741, co-PI.
5. National Science Foundation (NSF), Retention through Remediation in PreCalculus, \$1,980,712, STEP Proposal # 0856767, June 15, 2009 - June 14, 2014, PI.
6. West Sabine Independent School District, Mathematical Instructional Coaches Pilot Program (TEA - Texas Education Agency) - West Sabine ISD, \$26,125, 4/1/2009-5/31/2011, amended to \$28,125 on April 11, 2011, PI.
7. Gladewater Independent School District, Mathematical Instructional Coaches Pilot Program, \$42,000, PI.
8. Texas Education Agency (TEA), Professional Development Activities for Teachers and Administrators: Mathematics College and Career Readiness Standards, TEA

Funding Source #10450967, TAMU-RF #0902074, \$500,000, August 14, 2009 - February 28, 2011.

9. Texas Higher Education Coordinating Board (THECB), Design & Pilot of Framework & Tools for CCRS/ Texas Educator Preparation Demonstration Sites, \$500,000, September 1, 2009 - August 31, 2010 (Proposal 09-1202 "TAMU Educator Preparation Collaborative for Enhancing College and Career Readiness in Texas").
10. Texas Higher Education Coordinating Board (THECB), Algebra I-II Focus on Alignment, Total Award Amt: \$190,000, May 1, 2009 - May 31, 2011, supplement of \$28,900 awarded on 5/4/2010. Total \$218,900. PI
11. Texas Education Agency via El Paso Independent School District, Math Coachers Service provider contract, \$56,600, November 25, 2008- May 31, 2010, PI.
12. NSF: "Continuing GK-12 Fellows Integrate Science/Math in Rural Middle Schools," PI and Co-PIs: Larry Johnson, James Kracht, W. R. Klemm, G. Donald Allen, Rajesh Miranda, and James Lindner. \$1,547,601, Award No. DGE-0638738, Proposal No. DGE-0638738, February 1, 2007 and expires January 31, 2010.
13. THECB/Dana Center, Teacher Quality Grant - Algebra I, TAMU Account 02-421104 \$84,990, May 1, 2008 - May 31, 2009, PI.
14. THECB/Dana Center, Teacher Quality Grant - Algebra I, TAMU Account 02-421104 \$76,000, May 1, 2008 - May 31, 2009, PI.
15. THECB/Dana Center, Teacher Quality Grant - Algebra II, TAMU Account 02-421104 \$77,000, May 1, 2008 - May 31, 2009, PI.
16. THECB (Texas Higher Education Coordinating Board): "Course Redesign for Math 1324," PI and director: G. Donald Allen, \$349,827, July 20, 2007 - August 31, 2009, TAMRF #0701594.
17. THECB (Texas Higher Education Coordinating Board): "Course Redesign for Math 1324," PI and director: G. Donald Allen, \$349,827, July 20, 2007 - August 31, 2009, TAMRF #0701594.
18. National Science Foundation Award No. DUE-0336591 Title: "Retention Through an Applied Physics, Engineering, and Mathematics (PEM) Model" Award Amount: \$1,999,999.00 PI and Current Co-PI's: Drs. Jo W. Howze, Arun R. Srinivasa, Michael S. Pilant, Timothy P. Scott, and William H. Bassichis Funding Period: 9/15/2003 - 8/31/2008, co-PI.
19. National Science Foundation, ITEST grant, National Middle School Aerospace Scholars. (NaMAS), evaluator. Sharon Sledge, PI, Award No. ESI-0422698, \$1,193,506, January 1, 2005 - August 31, 2008, evaluator.
20. Texas Education Agency (TEA), Math Coaches Program, Approved Service Provider for the Mathematics Instructional Coaches Pilot Program, in response to RFP 701-08-021 / RFP 701-08-040, 2008-09.
21. THECB: "High Quality Algebra II Instruction," \$88,197, June 1, 2007 - August 31, 2008.
22. TEA, 21st Century Community Learning Centers Program, Department of Education through the Texas Education Agency, with Covington ISD, \$200,000, June 1, 2006 - May 31, 2008.
23. MTA/MTC - Math TEKS Awareness, Texas Education Agency through the TAMU College of Education, Sept 1, 2005 - June 30, 2007, co-Investigator, (three months salary), co-Investigator.

24. THECB/Dana Center, Teacher Quality Grant, Algebra II, TAMU Account 02-421104 \$84,990, May 1, 2006 - May 31, 2007.
25. Texas Education Agency (TEA RFP 701-05-006 - Grant#056944087110059), Improving student Achievement through Professional Development, \$143,839, August 15, 2005- September 30, 2006, PI's G. Donald Allen, Cathy Ezrailson.
26. Texas Education Agency (TEA RFP 701-05-006) - Snook, \$100,500, August 31, 2005, September 30, 2006.
27. Texas Education Agency (TEA RFP 701-05-006) - Pasadena, TOOLS - The Teaching of Ongoing Learning Strategies, \$150,000, August 31, 2005, September 30, 2006, co-PI.
28. Texas Education Agency (TEA RFP 701-05-006) - Mathis ISD, \$150,000, August 31, 2005, September 30, 2006, co-PI.
29. P-16 Educational Improvement Consortium (PEIC) program, a Texas Education Agency funded program administered through the College of Education and the Department of Teaching Learning and Culture. TAMU, \$12,388, July 1-July 31, 2005.
30. Office of Distance Education, TAMU, The Computational Masters Degree, July 20, 2005 - July 19, 2007, \$150,000.
31. Texas Higher Education Teacher Quality Grant -Type B, "Assuring excellence in algebra II instruction," June 1, 2005 - August 31, 2006, co-PI's G. Donald Allen, \$81,687.
32. Texas Higher Education Teacher Quality Grant -Type B, "Assuring excellence in middle school mathematics instruction," June 1, 2005 - August 31, 2006, co-PI's G. Donald Allen, and Dianne Goldsby, \$81,500.
33. Texas Higher Education Teacher Quality Grant -Type B, "Assuring excellence in pre-calculus instruction," August 1, 2004 - January 31, 2006, co-PI's G. Donald Allen and Dianne Goldsby, \$79,993.
34. Star Schools Project - Math Star Extension Grant to Los Angeles County Office of Education, US Department of Education, 84-203F, Donald Lake and Edna Murphy, co-directors, \$9.221m, June 15, 2004 - June 15, 2007; portion funding to Texas A&M with collaborators G. Donald Allen and Deborah Jolly, \$154,000.
35. Texas Higher Education Teacher Quality Grant -Type B, "Pre-Calculus," March 12, 2004 - July 31, 2005, co-PI's G. Donald Allen and Sharon Sledge, \$80,000.
36. Texas Higher Education Teacher Quality Grant -Type A, "Pre-Calculus - Practices of Good Teaching through Content, Technology, and Interaction," January 9, 2004 - January 31, 2005, PI's G. Donald Allen and Michael Pilant, \$295,391.
37. NSF: "Fellows Integrate Science/Math in Rural Middle Schools," PI and Co-PIs: Larry Johnson, James Kracht, W. R. Klemm, Vincent Cassone, Rajesh Miranda, and James Lindner. \$1,210,000, January 1, 2004 - December 31, 2006. (I am co-Investigator on this award.)
38. Collaborative Research Grants: Project Year 5, Online assessment for teachers, Texas A&M University System, \$18,630, 2003-2004, co-PIs, G. Donald Allen and Dianne Goldsby.
39. Quality Enhancement Program, Making assessment a part of the curriculum, Texas A&M University, \$6,500. 2003-04.
40. Regents' Initiative for Excellence in Education. Collaborative Research project.



- "Group Perceptions of Pre-service and In-service Teachers, College/University Faculty and Administrators on Math/Science Teacher Preparation", with Larry Kelly, Dianne Goldsby, and Dawn Parker, 2003-04, \$8,000.
41. Math/Physics Modeling Team Project. Funded through the Information Technology Center. January 10, 2001 - December 31, 2002, \$80,000. (Joint with Raytcho Lazarov and Joseph Pasciak.)
  42. Texas A&M University, "Advanced Technology Mediated Instructional Laboratory", January 1, 2001, \$20,000, with Michael Pilant.
  43. Texas A&M University, "Masters in Mathematics Education Using Distance Learning Protocols", September 1, 1999 to August 31, 2001, \$150,000.
  44. Texas A&M University System, Regents' Initiative for Excellence in Education. Collaborative Research project. "Group Perceptions of Pre-service and In-service Teachers, College/University Faculty and Administrators on Math/Science Teacher Preparation", with Larry Kelly, Dianne Goldsby, and Dawn Parker, 2003, \$8,000.
  45. Texas A&M University, "Advanced Technology Mediated Instructional Laboratory", January 1, 2001, \$20,000, with Michael Pilant. National Science Foundation: "Workshop on the efficacy of Maple in the Classroom", part of a contract with SRI, \$135,000, April, 1998. (Joint with David Sanchez, Math)
  46. Electronic and Learning Incentives Program, sponsored by the Academy for Advanced Telecommunications and Learning Technologies, TAMU. \$5,000. July 1, 1997-Dec 31, 1997.
  47. National Science Foundation: "Novel Methods for the solution of the transport equation", September 1, 1994 to August 31, 1998, \$315,000. CCR-9302782 (joint with Paul Nelson and Marvin Adams)
  48. Electronic and Learning Incentives Program, sponsored by the Academy for Advanced Telecommunications and Learning Technologies, TAMU. \$5,000. July 1, 1997-Dec 31, 1997.
  49. National Science Foundation, Second Texas-Mexico Workshop on Numerical Particle Transport, 1992, \$7,000, with Paul Nelson.
  50. Development of Numerical Techniques to Measure Migration of Radio nuclides Through Porous Materials. Cray Research, Inc, 1992-1993.
  51. Texas Advanced Research Program, Studies of the Transport Equation: An International Effort, \$58,609, 1990-1992.
  52. National Science Foundation: "Third Texas-Mexico Workshop on Numerical Particle Transport", May 1, 1995 to April 30, 1996, \$7,943.
  53. DOD/D of AF/AFSC, System Impact of Hit Assessment for NPB (Neutral Particle Beam) Discrimination, \$50,000, 1990-1991.

#### PUBLICATIONS - PAPERS PUBLISHED

- 1) G.D. Allen, "On embedding set functions into covariance functions" Trans. AMS, 179 (1973) 23-33.
- 2) G.D. Allen, "Extensions of Kolmogorov's Theorem for continuous covariances", Proc. AMS, Vol. 39 (1973) 214-216.
- 3) G.D. Allen and S. Cambanis, "Some remarks on Kolmogorov's Theorem" Proc. of the Symposium on Vector Valued Measures (1972) Academic Press.
- 4) G.D. Allen, C.K. Chui, W.R. Madych, F.J. Narcowich and P.W. Smith, "Pade

- Approximation and orthogonal polynomials", Bull. Austral. Math Soc. 10 (1974) 263-271.
- 5) G.D. Allen, "Pade approximation and Gaussian quadrature" Bull. Austral. Math. Soc. 11 (1974) 63-71.
  - 6) G.D. Allen "Pade approximation of Stieltjes Series" J. Approx. Theory, 14 (1975) 302-316.
  - 7) G.D. Allen, "On the multiplicity and spectral type of class of stochastic processes", SIAM J. of Appl. Math., 29 (1975).
  - 8) G.D. Allen and F.J. Narcowich, "On the representation and approximation of a class of operator-valued analytic functions", Bull. AMS 81 (1975) 410-413.
  - 9) G.D. Allen, "Convergence of the diagonal operator-valued Pade approximants to the Dyson expansion", Comm. Math. Phys. 45 (1975) 153-157.
  - 10) G.D. Allen "On the structure of certain bounded linear operators" Proc. AMS, 53 (1975) 404.
  - 11) G.D. Allen, F.J. Narcowich and J.P. Williams, "An operator version of a theorem of Kolmogorov" Pac. J. of Math., 61 (1975) 305-312.
  - 12) G.D. Allen and F.J. Narcowich, "R-Operators. A representation theory and applications", Indiana J. of Math. 25 (1976) 945-963.
  - 13) G.D. Allen and G.S. Brockway, "On the mechanical constitution of damageable materials", J. of Eng. Scie., to appear.
  - 14) G.D. Allen and L.C. Shen, "On the structure of principal ideals of operators", Trans. of AMS, 238 (1978) 253-270.
  - 15) G.D. Allen and J.D. Ward, "Hermitian liftings of  $B(L_p)$ " J. of Operator Theory 1 (1979).
  - 16) G.D. Allen, "Duals of Lorentz Spaces", Pac. J. Math. 77 (1978) 287-291.
  - 17) G.D. Allen and J.D. Ward, "A Simultaneous lifting theorem in Hilbert spaces", Trans AMS 250 (1980), 379-387.
  - 18) G.D. Allen, D.A. Legg, J.D. Ward, Hermitian Liftings in Orlicz Sequence Spaces, Pac. J. Math. 86 (1980) 379-387.
  - 19) G.D. Allen and J.D. Ward, Hermitian lifting in  $B(L_p)$ , Proc. AMS 80 (1980) 71-77.
  - 20) G.D. Allen, Locally Continuous Operators in **Prediction Theory and Harmonic Analysis**, V. Mandrekar and H. Salehi, Editors, North Holland, 1984.
  - 21) Locally Continuous Operators II, Indiana U. Math. Journal, 38 (1989) 711-743.
  - 22) Similarity Theory for Nest Algebras on  $L_p$ , with D.R. Larson, J.D. Ward and G. Woodward, J. of Functional Analysis, 92 (1990) 49-76.
  - 23) Power Majorization and Majorization of Sequences, Results in Mathematics, 12 (1988) 211-222.
  - 24) G.D. Allen, K.T. Andrews, and J.D. Ward, A Note on the Similarity of  $L_p$  nests, Acta Mathematica Hungarica, to appear.
  - 25) G.D. Allen, C.K. Chui & W.L. Perry, 2nd Ed. Elements of Calculus, Brooks/Cole Publishing Co. 1989, Monterey, California.
  - 26) G.D. Allen and Paul Nelson, On Generalized Finite Difference Methods for Approximation Solutions to Integral Equations, in **Advances in Numerical Partial Differential Equations and Optimization**, Proceedings of the Fifth Mexico-United States Workshop on Numerical Analysis, SIAM, 1991, pp. 112-140.

- 27) G. D. Allen and Paul Nelson, Convergence of Inner Iterations for Closed LOF Methods, submitted, SIAM J. of Numerical Analysis.
- 28) G. D. Allen, Toward a Dynamics for Power and Control in Society, *Journal of Mathematical Sociology*, 22 (1992) pp. 1-38.
- 29) G. D. Allen and W. W. Pitt, Monolithic Waste Forms---An Underrated and Under-Utilized Technology, Proceedings of the Symposium on Waste Management, Tuscon AZ, March 2-6, 1992, American Nuclear Society, 1992.
- 30) G. D. Allen and W. W. Pitt, Accounting for Boundary Layer Effects in the Modeling of Leaching from Monolithic Waste Forms, Proceedings of the Second Interagency Symposium on Stabilization of Soils and Other Materials, Metairie, LA., November 2-5, 1992, U. S. Corps of Army Engineers, 1992, pp.6:3-12.
- 31) G. D. Allen, Smoothness and super convergence for approximate solutions to the one dimensional monoenergetic transport equation, in *Advances in Numerical Partial Differential Equations and Optimization*, Proceedings of the Sixth Mexico-United States Workshop on Numerical Analysis, Kluwer Academic Publishers, 1993 pp. 1-14.
- 32) G. D. Allen, Dapeng Xin, and Dan G. Zollinger, A method to determine moisture diffusivity in concrete from measured moisture profiles, *Advanced Cement Based Material*, 2, (1995), 34-39.
- 33) G. D. Allen, Dynamic Models for Competitive-Cooperative Species, *Proceedings of the International Conference on Dynamical Systems and Differential Equations*, 1997, 1-20.
- 34) G. D. Allen, A hierarchical model for power systems. Stability, *J. Math. Soc.*, to appear.
- 35) G. D. Allen, The Web-Based Mathematics Course, a survey of the required features for an on-line math course and experiences in teaching one, *Syllabus Magazine*, with M. Stecher and P. Yasskin, Nov/Dec 1998.
- 36) G. D. Allen, WebCalC I, a description of the WebCalC project, it's history and features, to appear in the Proceeding of the ICTCM Conference, Nov 1998, Addison-Wesley-Longman, Reading. with M. Stecher and P. Yasskin.
- 37) G. D. Allen, Internet Based Drills and Quizzes, techniques for constructing math drills in subjects from algebra to calculus, to appear in the Proceeding of the ICTCM Conference, Nov 1998, Addison-Wesley-Longman, Reading. with M. Stecher and P. Yasskin.
- 38) G. D. Allen, Jeff Morgan and Sayed El Attar, Asymptotically short term behavior of solutions to one dimensional diffusion processes, with Jeff Morgan and Sayed El Attar, *Journal of Analysis and Applications*, 240 (1999) 145-162.
- 39) G. D. Allen, David Sanchez, Jim Herod, Mark Holmes, Vince Ervin, Robert Lopez, Joe Marlin, Strategies and Guidelines for Using a Computer Algebra System in the Classroom, with David Sanchez, et.Al., to appear, *International Journal of Engineering Education*, 15, no. 6, 1999, pp. 411-416.
- 40) G. D. Allen and Paul Nelson, Linear One-Cell Functional Methods for the Two Dimensional Transport Equation. Part I. The Nodal Formulation, *Ann. Nucl. Sci. and Eng.* (25 pages)
- 41) G. D. Allen, WebCalC --- Two Years Later, *Computers in Schools*, 17, p17-30, 2001.
- 42) Online Choices for Online Courses. A survey of the issues of developing an online

- course. Included is a discussion of various development products. To appear in the Proceedings of the 13th ICTCM Conference, Atlanta GA. November 16, 2000. URL: [://www.math.tamu.edu/webcalc/allen/onlinechoices121100.htm](http://www.math.tamu.edu/webcalc/allen/onlinechoices121100.htm)
- 43) G. D. Allen, The Distance Education Degree Program for The Master of Mathematics with a Teaching Option At Texas A&M University, Proceedings of the AACE Conference: SITE 2001--Society for Information Technology and Teacher Education International Conference, Orlando, Florida; March 5-10, 2001 with M. Pilant.
  - 44) G. D. Allen, Online Calculus, in Using Information Technology in Mathematics Education, D. James Tooke, Norma Henderson, Eds., Haworth Press, New York, 2001.
  - 45) Online Calculus, The Course and Survey Results, Computers in the Schools, 17, p.17-30, 2001.
  - 46) G. D. Allen, Michael Pilant and Jon Pitts, On building a quality masters degree program, Proceedings of the 2003 DEC (Distance Education Conference) conference, January 21-24, 2003.
  - 47) G. D. Allen, C. Ezrailson and C. Loving, Analyzing Dynamic Pendulum Motion in an Interactive Online Environment Using Flash, Science and Education Journal Special Issues, to appear 2004.
  - 48) G. D. Allen, Making Animations, to appear, to appear in the Proceeding of the 15th ICTCM Conference, Baltimore, Md. November 16-18, 2003.
  - 49) Can an Online Mathematics Course Work?, College Mathematics Journal, 34, No. 4, 2003, pp. 270-279.
  - 50) Analyzing Dynamic Pendulum Motion in an Interactive Online Environment Using Flash, Science and Education Journal Special Issues, Volume 13 Nos. 4-5 June 2004, with C Ezrailson and C. Loving.
  - 51) The Pendulum: Scientific, Historical, Philosophical and Educational Perspectives, Springer, Dordrecht. Reprint of the first article.
  - 52) Analyzing Dynamic Pendulum Motion in an Interactive Online Environment Using Flash, Science and Education Journal Special Issues, in Matthews, M.R., Gauld, C.F. & Stinner, A. (eds.): 2005,
  - 53) The Impact of Web-Based Assessment and Practice on Students Mathematics Learning Attitudes. Journal of Computers in Mathematics and Science Teaching. 25 (3), pp. 251-279. Chesapeake, VA: AACE, with Nguyen, D., Hsieh, Y. (2006).
  - 54) A Crash Course on Testing and Assessment, 2006, Proceedings of the 17th ICTCM Conference, October 28-November 1, 2004, 2006.
  - 55) Interactive Mathematics QuizMaker and the Online Mathematics Placement Exams, 2006, Proceedings of the 17th ICTCM Conference, October 28-November 1, 2004, with Diem Nguyen, 2006.
  - 56) Using and Validating a Triadic Instrument, Academic Exchange Quarterly The Triadic Survey Instrument, with Dianne Goldsby, Summer 2007, ISSN 1096-1453 Volume 11, Issue 2.
  - 57) Pre-Service Teacher Perceptions of Teaching Fractions through a Survey, Essay, and Mathematical Misconceptions, Proceedings of the 20th International Conference on Technology in Collegiate Mathematics, Addison-Wesley, 2009, with Dianne Goldsby.
  - 58) RETENTION THROUGH REMEDIATION: ENHANCING CALCULUS I

SUCCESS, ICTCM, Proceedings of the 23rd International Conference on Technology in Collegiate Mathematics, Pearson, 2012. with Sandra Nite, Jennifer Whitfield.

- 59) Pre-Service Teacher Perceptions of Mathematics/Science Teacher Preparation, with Dianne Goldsby, Larry Kelly, and Dawn Parker *Journal of Mathematics Pedagogy and Content*, (6), 2014.
- 60) Constructing and Role-playing Student Avatars in a Simulation of Teaching Algebra for Diverse Learners, iwth Ma, tingting; Brown, Irving; Kulm, Gerald; Davis, Trina; Lewis, Chance; Allen, Donald to appear in *Urban Education*, 2013.

#### OTHER WRITINGS

- 1) Allen, Don, Personalized Remediation Programs and Mini-Bridging, *TeXMATYC Newsletter*, 2014.
- 2) Allen, G. Donald, Multiple Representations IV, Estimating Pi, *Journal of Mathematics Pedagogy and Content*, (6), 2014.
- 3) Allen, G. Donald, Multiple Representations III, *Journal of Mathematics Pedagogy and Content*, (6), 2014.
- 4) Allen, G. Donald, Multiple Representations II, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 5) Allen, G. Donald, Multiple Representations I, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 6) Allen, G. Donald, Impossible Problems, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 7) Allen, G. Donald, To Solve a Problem, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 8) Allen, G. Donald, American Presidents and Their Math, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 9) Allen, G. Donald, The Evil Twins – Testing and Stress, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 10) Allen, G. Donald, Let's Make War - Just for Fun, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 11) Allen, G. Donald, Can Online Education Work?, *Journal of Mathematics Pedagogy and Content*, (5), 2013.
- 12) Allen, G. Donald, Teaching is a Balancing Act, *Journal of Mathematics Pedagogy and Content*, (4), 2012.
- 13) Allen, G. Donald, Optimization - With and Without Calculus, *Journal of Mathematics Pedagogy and Content*, (4), 2012.
- 14) Allen, G. Donald, How Do We Define the Number “1?”, *Journal of Mathematics Pedagogy and Content*, (4), 2012.
- 15) Allen, G. Donald, Math Teacher Demographics in Texas, *Journal of Mathematics Pedagogy and Content*, (4), 2012.
- 16) ODE Architect - A Review, *Syllabus* 14, 2001, 53.
- 17) What do we do until MathML? An exploration of various math-online alternatives. in *The Math/Science Online Newsletter*, Winter 2000.

## PAPERS SUBMITTED

Linear One-Cell Functional Methods for the Two Dimensional Transport Equation. Part I. The Nodal Formulation, Ann. Nucl. Sci. and Eng. with Paul Nelson. (25 pages)

## CONFERENCE PROCEEDINGS

Allen, G. Donald, USING A MATH PLACEMENT EXAM TO DEVELOP A PERSONALIZED PRECALCULUS PROGRAM, with Sandra Nite, M. Pilant, Proceedings of the 25th Annual ICTCM Conference, 2014.

THE ICTCM: TEACHING PORTAL TO THE 21ST CENTURY, with Sharon Sledge, Proceedings of the 25th Annual ICTCM Conference, 2014.

Allen, G. Donald, and Goldsby, Dianne. Using Technology to Make New Assessment Instruments, Proceedings of the 18th International Conference on Technology in Collegiate Mathematics, Addison-Wesley, Boston. (2007).

A Crash Course on Testing and Assessment, 2006, Proceedings of the 17th ICTCM Conference, October 28-November 1, 2004, 2006.

Interactive Mathematics QuizMaker and the Online Mathematics Placement Exams, 2006, Proceedings of the 17th ICTCM Conference, October 28-November 1, 2004, with Diem Nguyen, 2006.

The Distance Education Degree Program for The Master of Mathematics with a Teaching Option At Texas A&M University, to appear in the Proceedings of the AACE Conference: SITE 2001--Society for Information Technology and Teacher Education International Conference, Orlando, Florida; March 5-10, 2001. with M. Pilant.

Online Choices for Online Courses. A survey of the issues of developing an online course. Included is a discussion of various development products. Proceedings of the 13th ICTCM Conference, Atlanta GA, Addison-Wesley, 2000, 11-16.

WebCalC I, a description of the WebCalC project, it's history and features, Proceeding of the ICTCM Books and Monographs

## WORKSHOPS ORGANIZED OR GIVEN

1. NSF KATE Grant GAT seminar, "Misconceptions in Mathematics, August 31, 2011, Misconceptions in Mathematics, II, September 14, 2011, College Station, TX
2. Workshop on Technology, Mathematics, and Mathematics Education, Nairobi, Kenya, August 11-18, 2010. In association with the Africa MathScience, Technology, Research & Education Foundation <http://distance-ed.math.tamu.edu/kenya-tz2010/>

3. ICTCM, Camtasia, full day, March 12, 2009.
4. GK-12 Special Workshop for Math Fellows, June 10 and June 13, 2008, College Station, TX,
5. Presentation, Misconceptions in Mathematical Understanding, CAMT (Conference for the Advancement of Mathematics Teaching), San Antonio, TX, July 9-11, 2008
6. Presentation, Cengage Regional Meeting, Dallas, TX, March 14, 2008
7. Workshop. ICTCM - Using Flash, Boulder Co, July 27-30, 2003. Principal speaker.
8. Presentation, All About Quadratics, CAMT (Conference for the Advancement of Mathematics Teaching), Henry B. Gonzales Convention Center, San Antonio, TX, June 28-30, 2007.
9. Co-chaired. P-16 Grassroots Initiative meeting and workshop, College Station, TX, March 7, 2007, Texas A&M University, College Station, TX.
10. TCCTA/TEXMATYC Workshop on Trends in College Algebra, (Allen presides), February 24, 2007, Austin, TX.
11. TAMU/Snook ISD. Half day workshop on using the digital camera, Excel, and digitizing software to situations and problems related to mathematics, April 15, 2006.
12. TAMU/Snook ISD. Half day workshop on digital devices as related to mathematics, April 8, 2006.
13. TAMU/TEA (Texas Education Agency)/PEIC (P-16 Educational Improvement Consortium), Fractions, Measurement and Scaling for professional development, March 4, 2006.
14. TAMU/Pasadena ISD, Developing 5E lessons applied to topics of measurement (eight hours), Pasadena, TX, February 25, 2006.
15. Pre-conference workshop Visual Algebra and Pre-calculus, (Six hours), TexMATYC/TCCTA Conference. (Invited) Houston, TX February 23-25, 2006.
16. TAMU/Pasadena ISD, Fractions, Measurement and Proportion for professional development, Pasadena, TX, October 29, 2005.
17. TAMU/TEXMatyc (Texas Math Association of Two Year College), Maple for the Classroom, October 28, 2005.
18. TAMU/Snook ISD, Using the TI-Navigator equipment, Snook, TX, October 15, 2005.
19. TAMU/TEA (Texas Education Agency)/PEIC (P-16 Educational Improvement Consortium), Fractions, Measurement and Scaling for professional development, October 8, 2005.
20. University of Idaho, Gateway Mathematics Group, Using Scientific Notebook and Camtasia, Moscow, ID, June 13-17, 2005.
21. Maple - in the Classroom, an online workshop given to Texmatyc instructors, April 9, 2004.
22. Teacher Quality Grant professional development workshops - series A conducted on Algebra II Sept 18, Oct. 16, Nov 13 and Dec. 4; series B conducted on Sept 25, Oct. 23, Nov 13, Dec 11, Jan 19, Feb 5, Feb 19. (eight hours each).
23. Teacher Quality Grant Type B Workshops (funded by THECB), July 6-9,12-13, 19-23, 2004; Houston TX.

24. Teacher Quality Grant Type A workshops (funded by THECB), May 13, Ft. Worth, May 14-15, Houston, May 20-21, 2004, Houston, TX.
25. ICTCM (International Conference on Technology in Collegiate Mathematics) - Mathematical Theory of Assessment - Using technology for assessment, Workshop. Tomball, TX, May 17-20, 2004.
26. ITLAB, brief afternoon workshop to Math faculty on the use of Flash MX, Texas A&M University, October 16, 2003.
27. College of Science - Open House, September 6, 2003, presentation on distance education , online masters of mathematics program.
28. ICTCM (International Conference on Technology in Collegiate Mathematics) - Using Flash for mathematics instruction, Workshop. Westminster, Co, July 27-30, 2003.
29. Conference for the Advancement of Mathematics Teaching - Math goes to hollywood. Houston Texas, July 17,2003
30. Math Camp - presentation to 45 junior high school students on the use of mathematics in Hollywood produced movies, July 11, 2003, College Station, TX
31. Philosophy Group - presentation to a group of philosophers and sociologist on the application of Flash to interactive logic proofs, June 2, 2003, College Station, TX
32. ICTCM (International Conference on Technology in Collegiate Mathematics) - Visual algebra, applying digital and visual technologies toward learning algebraic concepts, Workshop. Murfreesboro, TN, May 19-22, 2003.
33. Second Texas-Mexico Workshop on Numerical Particle Transport, College Station, TX, Sept 2-4, 1992, co-organizer.
34. Third Texas-Mexico Workshop on Numerical Particle Transport, Mexico D.F., March 11-13, 1996, co-organizer.
35. Calculus Reform and Maple in the Classroom, April 3-4, 1998, sponsored by the National Science Foundation and conducted by SRI International. The meeting assembled a group of educators, many with extensive experience in calculus reform, more with teaching mathematics with Maple, and evaluation experts. co-organized with David Sanchez (See Funding.)
36. ICTCM Short Course. I was the principal speaker for a week long workshop on Web developments and placing math on the Web. Class notes. Colorado State University, Ft Collins, CO, Math 22-25, 2000<http://www.academicsolutions.com>
37. University of Houston, Online Choices. Mini-short course for the UH Provost's office, October 17, 2000.
38. North Harris Community College, Web Calculus and other online courses, October 17, 2000.
39. ICTCM summer workshops in College Station and Madison, WI. I was the principal speaker for a week long workshop on Web developments and placing math on the Web.
40. Workshop on Internet editors. Sept 6-7 and 13-14, 2002. An ITWG - College of Science ITLAB project.
41. IT Lab, College of Science: Workshop on Flash, June 21, 2002.
42. IT Lab, College of Science: Workshop on Dreamweaver, August 29, 2001.
43. ICTCM Short Course. Principal speaker for a week long workshop on advanced multimedia applications. South Mountain College, Phoenix, AZ, May 19-23,



- 2002.
44. NASA Making Connections Workshop, Using digital imaging technology. San Jacinto Community College, Houston, TX. July 20, 2002.
  45. NASA Making Connections Workshop, Using computer algebra systems, San Jacinto Community College, Houston, TX. August 17, 2002.
  46. BVMUG - Brazos Valley Macromedia Users Group. Presentation on various software tools. Microage Corporation, College Station, TX. November 19, 2002.
  47. Workshop. ICTCM - Visual Algebra, Murfreesboro, TN, May 19-22, 2003. Principal speaker.

#### OTHER EVENTS (RECENT)

1. Attended. NSF CADRE grant meeting, Washington DC. June 13-15, 2012.
2. Invited speaker, Innovations in Learning and Education Collaborative Workshop with Finnish researchers, Embassy of Finland. Washington DC, June 7-8, 2012.
3. Attended, Current Research on Community College Transfer Success, Hilton Hotel and Conference Center, May 29, 2012.
4. Chair, Math Education and Teacher Prep, ICTCM program committee, 2012.
5. Attended, ICTCM (International Conference on Technology in Collegiate Mathematics) Executive Steering Committee Meeting. March 22, 2012, Orlando, FL.
6. Attended, Teacher Quality Grants annual meeting, The Hyatt Regency Lost Pines Resort and Spa, 575 Hyatt Lost Pines Road, Lost Pines, TX, US, April 4-5, 2012
7. Chair, Math Education and Teacher Prep, ICTCM program committee, 2011.
8. Attended. NSF STEP annual grant meeting, Washington DC. March 11-13, 2012.
9. Member, Developmental Education Advisory Board, Texas Education Agency, October 28, 2011.
10. Invited participant, STEP Leadership Workshop at the University of Oregon on October 16-18, 2011
11. Attended, Texas Partners in P-16 Mathematics, Charles A. Dana Center, Austin, TX, May 2, 2011. (Co-Founder)
12. Attended, TAMU Collaborative summer Institute, June 20, 2011, Koldus, 110.
13. Invited Presentation, Mathematics Education in Kenya, TAMU, April 25, 2011.
14. Invited Presentation, Test Item Dependencies, AMUSE seminar, TAMU, April 20, 2011.
15. Attended, NSF Annual STEP Conference, Omni Shoreham Hotel, Washington DC, March 17-18, 2011.
16. Presentation to the MSC Jordan Institute for International Awareness, "Islamic Contributions to Mathematics," November 10, 2010, Texas A&M University.
17. Attended. Annual meeting, Texas Partners in P-16 Mathematics, Charles A. Dana Center, Austin, TX, October 21, 2010.
18. Consultant. Professional Development Summit, October 19-20, 2010, Airport Hilton Hotel, Austin, TX.
19. Attended. CBMS Forum on Content-Based Professional Development for Teachers of Mathematics on October 10-12, 2010 at the Hyatt Regency Hotel in Reston VA.

20. Interview. Visiting ABET team (Dr. James Miller, Univ of Rhode Island) for College of Engineering accreditation process, September 27, 2010.
21. Presentation. Misconceptions in Mathematics, AP pre-Calculus Institute, College Station, TX, July 25, 2009.
22. Presentation. The MS Online program in mathematics, AP Calculus Institute, College Station, TX, July 23, 2010.
23. Presentation. Early Mechanical Calculators, AP Pre-Calculus Institute, College Station, TX, July 29, 2009.
24. Presentation. The MS Online program in mathematics, AP Calculus Institute, College Station, TX, July 21, 2009.
25. Presentation. The National Math Panel, Gladewater ISD, Gladewater, TX, July 14, 2009.
26. Attended. Teacher Quality Grants Technical Assistance Meeting, Airport Hilton, Austin, TX, October 30, 2008.
27. Attended. National Math Panel Faculty Forum, Marriott Wardman, Washington, DC, October 6-7, 2008.
28. Attended. College Board AP, Connect to College Success, Renaissance Hotel, Chicago, October 3-5, 2008.
29. Presentation. The MS Online program in mathematics, AP Calculus Institute, College Station, TX, July 16, 2008.
30. Panelist for Session 3. Mathematics Education in China and the United States, July 1-3, 2008, College Station TX. Also moderator for Session 5.
31. Attended. Joint PIC/IAB Directors meeting of the Institute for Mathematics and Applications (IMA), Minneapolis, MN, June 12, 2008.
32. Presentation, Research on teaching and learning fractions, to the GK-12 teachers, June 3 and 5, 2008, College Station, TX.
33. Participated, Comparability study between TExES tests and Praxis tests, supported by the Educational Testing Service and the Texas Education Agency, San Antonio, TX, April 10-11, 2008.
34. Panelist, ICTCM, "Evaluating online courses/programs." March 5-8, 2008.
35. Attended, Enhancing Education, System wide Success, 2008 Teaching with Technology Conference, Texas A&M University, February 12, 2008.
36. Panelist, On e-content, at the JEM, Joining Educational Mathematics, an EU-funded thematic network for Mathematics Education, January 31 - February 2, 2008.
37. Attended, Southwest Regional NSF GK-12 Conference College Station, Texas -- November 9-10, 2007
38. Invited, Improving Science and Math Education: Texas Confronts the Gathering Storm, A dinner and forum sponsored by The Academy of Medicine, Engineering and Science of Texas and Rice University's James A. Baker III Institute for Public Policy, funded by Dow Chemical and the Greater Texas Foundation, October 12, 2007, Houston Tx.
39. Attended, AMS Committee on Education Annual Meeting, October 25-27, 2007, Washington, DC.
40. Attended, Teacher Quality Grant workshop and Dana Center Annual Higher Ed Meeting, Airport Austin Hilton, October 18-20, 2007, Austin, TX.

41. Attended, Course Redesign Workshop, Texas Higher Education Coordinating Board, October 15, 2007, Austin, TX.
42. Presentation. Focus Group for the Governor's Commission for a College Ready Texas, Meeting of Business Leaders and Faculty to Discuss College Readiness Standards September 7, 2007, 12:30 pm – 5:00 pm Austin Airport Hilton, Austin Texas.
43. Discussed, college readiness to the Governor's Commission for a College Ready Texas, (by phone), August 14, 2007.
44. Presentation. (Brief) The MS Online program in mathematics, AP Calculus Institute, College Station, TX, August 2, 2007.
45. Appointed and Attended. TQ Instructional Leadership e-Group meeting, Austin, TX, June 10-11, 2007. (By invitation with expenses.)
46. Attended. MSRI Workshop Critical Issues in Education: Teaching Teachers Mathematics, May 30-June 1, 2007, MSRI, Berkeley, CA.
47. Attended. MTC (Math TEKS Connections) Geometry Project Workshop, Austin, TX., May 22, 2007.
48. Reviewed. Department of Mathematics Self Study for Texas A&M University in Corpus Christi, May 9-11, 2007.
49. Attended. Texas Higher Education Coordinating Board, Conference on Course Redesign, May 2, 2007, Austin, TX. (Invited.)
50. SERA program committee, Instruction, learning and cognition section, 2007-2008.
51. Attended. DEVELOPING INFORMAL SCIENCE PARTNERSHIPS CHARLES WALTER, CEO, FORT WORTH MUSEUM OF SCIENCE & HISTORY 22 FEBRUARY 2007 2:30 p.m. 601 Rudder, College Station, TX.
52. Presentation. Problem Solving: Survey of the 9-12 modules for the MTC project, January 13-14, 2007, Airport Hilton, Austin, TX.
53. Co-chaired. P-16 Grassroots Initiative meeting, College Station, TX, March 7, 2007
54. Presided. TCCTA/TEXMATYC special session on Trends in College Algebra, (Allen presides), February 24, 2007, Austin, TX.
55. Attended. DEVELOPING INFORMAL SCIENCE PARTNERSHIPS CHARLES WALTER, CEO, FORT WORTH MUSEUM OF SCIENCE & HISTORY 22 FEBRUARY 2007 2:30 p.m. 601 Rudder, College Station, TX.
56. Presentation. Problem Solving: Survey of the 9-12 modules for the MTC project, January 13-14, 2007, Airport Hilton, Austin, TX.
57. Co-chaired. P-16 Grassroots Initiative meeting, Austin, TX, December 6, 2006
58. Appeared. "STRATEGIES FOR TEACHING MATH ONLINE" , NOVEMBER 30, 2006, video interview on e-Learning, a StarLink Production, interview taping on November 10, 2006,  
<http://www.starlinktraining.org/programs/programs2007/nov30.asp>. followed by a telephone conference call with viewers.
59. Attended. Online Educa Berlin 2006 and the WebALT: Web Advanced Learning Technologies Workshop, Berlin, Germany, October 28-December 1, 2006, See: <http://www.online-educa.com/> and [http://webalt.math.helsinki.fi/webalt-OEB/content/program/index\\_eng.html](http://webalt.math.helsinki.fi/webalt-OEB/content/program/index_eng.html). (Expenses paid.)

60. Presentation. The TAMU Mathematics Department Online Placement Examination - Preliminary Results. Presented to the Texas A&M Academic Operations Committee (AOC), November 1, 2006.
61. Co-chaired. P-16 Grassroots Initiative meeting, Austin, TX, October 12, 2006
62. Pre-conference workshop Visual Algebra and Pre-calculus, (Six hour workshop), TexMATYC/TCCTA Conference. (Invited) Houston, TX February 23-25, 2006.
63. Presentation. e-Learning in 2020, at the Information Technology Working Group seminar, September 13, 2006, College Station, TX.
64. Selected. Math TEKS Connections - Geometry Advisory Board. August 30, 2006. First meeting, Crown Plaza Hotel, Austin, TX, September 30, 2006.
65. Testified. On College Readiness, before the Texas Higher Education Coordinating Board and the Texas Education Agency, September 22, 2006, Austin, TX.
66. Attended regular Math and Education meetings, TLAC, Spring 07.
67. Presentation. Using animations in mathematics & Math Goes to Hollywood,
68. Presented to Summer Honors Invitational Program (SHIP) participants, Texas A&M University, July 10, 2006.
69. Presentation. The CO-STEM Highway to Equal Education Access, STEM finalist grant presentation to the Texas Education Agency (TEA), Austin, TX, June 20, 2006.
70. Presentation. To PEER student group, Math Goes to Hollywood, at the TAMU Vet School, June 15, 2006.
71. Attended. Joint PIC/IAB meeting of the Institute for Mathematical Analysis (IMA), Minneapolis, MN, June 12, 2006.
72. Attended, MTC research project meeting (Math TEKS Connections), Texas A&M University, June 1, 26, July 16, 25, September 12,20, 2006.
73. Presentation. On the new calculus placement exam to the College of Engineering committee of advisors, May 31, 2006.
74. Appeared. KBTX-TV news show on the LOTTO, May 17,18, 2006. Joe Brown, newscaster.
75. Participated - co hosted. The grass-roots P-16 Consortium at the Charles Dana Center, May 11, 2006. (Co-organizers, Mel Griffin, Linda, Zientek, and Gloria White)
76. Appeared. 15 Magazine Television show, hosted by Sharon Colson, Topic: The Texas Math Talent Search, taped on May 3. Showed on May 11, 13, 14.
77. Presentation. Math Goes to Hollywood. Presented to 18 students from Leakey Tx, April 27, 2006.
78. Participated. THECB panel on online professional development, Texas A&M University, April 11, 2006.
79. Organized, Math Summit between UH, UT, and TAMU, March 31, 2006, Texas A&M. Discuss the combined efforts of the three campus on technology mediated mathematics teaching and education projects.
80. Attended regular Math and Education meetings, TLAC, Spring 06.
81. Attended. Sigma Xi colloquium on K-12 education, Texas A&M University, March 28, 2006.
82. Participated. GK-12 Fellowship NSF grant national meeting, Washington DC, March 24-26, 2006.

83. Presentation. Fractions, TAMU/TEA (Texas Education Agency)/PEIC (P-16 Educational Improvement Consortium), March 4, 2006.
84. Attended, MTA research project, Center for Distance learning Research, (Brief) Presentation on visualizing middle school math, Bryan, TX, Feb 18, 2006.
85. Reviewed MTM3 project in Algebra II, TAMU-Commerce & ESC IV, Houston. February 6, 2006
86. Attended, MTA research project, Center for Distance learning Research, (Brief) Presentation on visualizing middle school math, Bryan, TX, Jan 2, 2006.
87. Attended, MTA research project, Center for Distance learning Research, Presentation on the 5E method, Bryan, TX, November 19, 2005.
88. Attended, GK-12 Southwest Regional Conference, College Station TX, October 22, 2005.
89. Attended TAMU-Mathematics Talent Contest, October 22, 2005.
90. Attended TAMU/TEA (Texas Education Agency)/Mathematics TAKS Awareness, funded grant planning meeting, CDLR, Bryan, TX, October 22, 2005.
91. Attended, NSF Workshop on Math Majors, Washington DC, August 12-13, 2005.
92. Presentation. Using mathematics to make animations, Summer Honors Invitational Program, sponsored by the Office of Honors Programs and Academic Scholarships, June 20, 2005.
93. Attended, Designing for Excellence and Achievement in Algebra I, (San Antonio), June 2-4, 2005.
94. Attended The Mathematical Knowledge for Teaching (K-8): Why, What and How?, May 25-28, 2004.
95. Attended, Charles A. Dana Center, TexMATYC, TAMU meeting in Austin on funding strategies for professional development courses, May 12, 2005.
96. Attended Partnerships in Teacher Education Luncheon, hosted by College of Education and Human Development, Texas A&M University, March 8, 2005.
97. Attended GK-12 Fellowship NSF grant national meeting, Washington DC, March 3-6, 2005.
98. Presentation. Math goes to Hollywood, Presented at Aggieland Saturday, Texas A&M University, College Station, Tx. February 27, 2005.
99. Presentation. Research problems in assessment, presented to Dr. David Larson's Math 489 - Research Problems class, February 24, 2005.
100. Presentation. Thwarted Innovation: What Happened to e-learning and Why. Information Technology Working Group (ITWG) seminar, December 7, 2004.
101. Attended, Workshop for the Teacher Quality Grants Program - Type B Grants, Texas Higher Education Coordinating Board (THECB), Austin, TX, November 19, 2004.
102. Attended, ICTCM, (International Conference on Technology in Collegiate Mathematics) Executive Steering Committee Meeting. New Orleans, Oct 27, 2004.
103. Attended, Academy Advisory Committee meeting at the 8th Annual 8th Annual Conference on School-University Partnerships, Sept 26-27, 2004, in San Antonio.
104. Attended, Math Star annual directors meeting, Los Angeles, CA, Sept 22-

- 24, 2004. (See <http://mathstar.lacoe.edu/welcome.html>)
105. Attended, 2004 Science & Mathematics, Excellence for All Students Conference, August 13, 2004, 8:00am - 4:30pm, Bryan-College Station, TX.
  106. Attended, Workshop for the Teacher Quality Grants Program - Type A Grants, Texas Higher Education Coordinating Board (THECB), Austin, TX, August 4, 2004.
  107. Attended, 5th Annual Chancellor's Invitational Conference for The Academy for Educator Development, Houston, TX, June 24-26, 2003. Chaired discipline-focus group meeting. Attended Regents II special meeting.
  108. Attended, REU seminar at the offices of the Vice President for Research, TAMU, June 23, 2004.
  109. Attended, "Dialog 2004: DMS and the Mathematical Sciences Community," Washington, DC, April 30-May 1, 2004.
  110. Attended, "Accessing NASA's Educational and Research Funding Opportunities" workshop, at the UTSA - San Antonio, TX, April 26, 2004.
  111. Participant, Teacher Quality Grants Executive Session, THECB/TEA organizers, Region VI service Center, Huntsville, TX, April 7, 2004.
  112. Presentation, Mathematics Education Seminar, TLAC, Texas A&M University, March 11, 2004.
  113. Attended MSRI (Mathematical Sciences Research Institute), Assessment Issues Conference, Berkeley, CA, March 7-10, 2004.
  114. Panel Discussion Participant, Distance Education Forum, Evans Library, Texas A&M University, February 26, 2004.
  115. Participant, Teacher Quality Grants Executive Session, THECB/TEA organizers, Region VI service Center, Huntsville, TX, February 25, 2004.
  116. Presentation, Texas A&M, Using 3D Rendering Software, Information Technology Working Group, Texas A&M University, February 24, 2004.
  117. Attended Texas A&M 4th Annual Assessment Conference, College Station, TX, February 2-3, 2004.
  118. Attended Texas A&M Assessment Workshop given by Thomas Angelo at TAMU, College Station, TX, February 2, 2004.
  119. Attended QEP (Quality Enhancement Program) luncheon and mini-conference, Texas A&M, January 29, 2004.
  120. Attended WebCT Vista Workshop, TAMU, January 5-9, 2004.
  121. Attended New Teacher Quality Grants Program Workshop sponsored by the Texas Higher Education Coordinating Board, Austin, TX, November 14, 2003.
  122. Attended, Wexford Institute annual meeting, Reno NV November 1, 2003.
  123. Attended, ICTCM, (International Conference on Technology in Collegiate Mathematics) Executive Steering Committee Meeting. Chicago, Oct 29, 2003.
  124. Attended Maple Days Workshop, Texas A&M University, November 7-8, 2003. Robert Lopez from Maplesoft speaker.
  125. Participant in PT3\*L3 Pre-Conference Institute at the American Evaluation Association (AEA) Annual Conference. Sponsored by the Wexford Institute, Reno, NV, November 3-4, 2003.
  126. Participant in Ninth Annual October Pre service Mathematics Conference,

- Lakeway Inn and Resort, Austin, TX, October 23-25, 2003. Sponsored by the Charles A. Dana Center of The University of Texas, Austin, TX.
127. Regularly attended, Approximation Theory Seminar, Mathematics Department, TAMU, 2001-2004.
  128. Participant in BVMUG, Macromedia, Microage, College Station, TX. June 17, 2003.
  129. Participant in 3rd Annual Assessment Conference, February 10-11, 2003, Texas A&M University, College Station, TX.
  130. Attended Sixth Annual Conference on School-University Partnerships, Omni Hotel, San Antonio, TX, October 13-15, 2002.
  131. Attended Regents Initiative Conference and Workshop, Houston, TX (Greenspoint Wyndom) June 13-15, 2002.
  132. Participated: e-Math video taping, Wimberley, TX, July 15, 2002: The emath Project.

#### AWARDS

- Nominated, to participate in the Texas College Readiness Project in the area of Mathematics, supported by the Educational Policy Improvement Center (EPIC), 2008.
- Appointed, Maplesoft Academic Advisory Board (MAAB), February, 2008.
- History of Mathematics has been selected as one of the best educational resources on the Web by StudySphere, June 20, 2006.
- Fellow, Texas A&M University Academy of Educator Development, 2003-present.
- Elected to membership in Merlot - Multimedia Educational Resource for Learning and Online Teaching. (MERLOT is a cooperative of individual members and institutions of higher education interested in improving teaching and learning.), February 13, 2004
- Selection for the Academic Keys Who's Who in Sciences Higher Education (WWSHE): <http://sciences.academickeys.com/>, 2004.
- Flash Demos for Understanding Statistics can help students learn to create histograms, compile pie charts, and demonstrate the mean, variance, and correlation of self-selected data points. [www.math.tamu.edu/dallen/flash-demo](http://www.math.tamu.edu/dallen/flash-demo)
- Web Bytes - December 2003, December 6, 2003.
- My Web sites on visual understanding of statistics and physics featured in the Math Forum Newsletter: "The Math Forum @ Drexel publishes a newsletter once a week and we have chosen your site, Flash Demos for Understanding Statistics, to feature in our October 13, 2003 issue."
- Reception honoring Editors of Scholarly Journals, TAMU University Libraries, October 1, 2003.
- Web site referenced by the International Center for Scientific Research, December 17, 2002
- TAMU, Department of Mathematics, Service award. December 13, 2002.
- Appointed as a member of the Academy for Educator Development, a part of the Regents' Initiative for Excellence in Education. (January 7, 2002)
- My History of Mathematics web site was recognized by the Sci/Links page of the NSTA. Here are the criteria for selection. Certificate.

- My history of mathematics Web site was recognized and linked to by the Ethnomathematics Digital Library of the Pacific Resources for Education and Learning. May 4, 2003.
- Recognition for serving more than 10 years as judge of the Brazos Valley Regional Science Fair, awarded 2001.
- TAMU Mentors Program recognition for giving a presentation in the Lessons Learned seminar, March 3, 2000.
- TAMU, Department of Mathematics, Service award. December, 2000.
- Texas A&M University, Department of Mathematics service award, 1999 and 2001;
- Web site referenced by the International Center for Scientific Research, December 17, 2002
- TAMU, Department of Mathematics, Service award. December 13, 2002.
- Appointed as a member of the Academy for Educator Development, a part of the RFegets' Initiative for Excellence in Education. (January 7, 2002)
- My History of Mathematics web site was recognized by the Sci/Links page of the NSTA. Here are the criteria for selection. Certificate.
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- TAMU, Department of Mathematics, Service award. December, 2000.

#### ADDRESSES AND RECOGNITION

- 1) Rocky Mountain Mathematics Consortium on Nonlinear Functional analysis, Santa Fe, New Mexico, July, 1971.
- 2) Fourth International Federation on Information Processing, Santa Monica, California, October, 1971.
- 3) American Mathematical Society Winter Meeting, Las Vegas, Nevada, January, 1972. (Ten-minute talk)
- 4) Conference on P.D.E., Lubbock, Texas, May, 1972.
- 5) Rocky Mountain Mathematics Consortium on Stochastic Processes and Stochastic Differential Equations, Edmonton, Alberta, Canada, July, 1972.
- 6) Symposium on Vector and operator Valued Measures and Applications, Alta, Utah, August, 1972. (Invited address)
- 7) American Mathematical Society Winter Meeting, Dallas, Texas, January, 1973.
- 8) U.S. Army Mathematics Research Center, Conference on Non-Linear Elasticity, Madison, Wisconsin, April, 1973.
- 9) Invited Lectures on Spectral Multiplicity at the University of Mexico City, June 1973.
- 10) American Mathematical Society Winter Meeting, San Francisco, California, January, 1974. (ten-minute talk)
- 11) Integration in Function Spaces with Applications, June 3-7, 1974 at the University of Connecticut, invited talk.
- 12) American Math Society Winter Meeting, Washington, D.C., January 1975. (ten-minute talk)



- 13) Conference and Workshop on Pettis Integration, University of Illinois, March 15-17, 1975.
- 14) Symposium on the Calculus of Variations and Optimal Control, September 22-24, 1975, University of Wisconsin.
- 15) American Math Society Winter Meeting, San Antonio, Texas, January, 1976.
- 16) University of Florida, Gainesville, invited address, August 1976.
- 17) Conference on Riesz Spaces Oberwolfach, Germany, July 1977, invited address.
- 18) AMS Winter Meeting, Biloxi, Miss., January 1978.
- 19) AMS Summer Meeting, Ann Arbor, Mich., August 1980.
- 20) University of Texas, San Antonio, Special Session address, June 1981.
- 21) Great Plains Operator Theory Conference, University of Kansas, September 1981.
- 22) Conference on Riesz Spaces and Operator Theory, Oberwolfach, Germany, July 1982, invited address.
- 23) Conference on Sequence Spaces, St. Lawrence University, June 1985.
- 24) Fifth International Symposium on Approximation Theory, College Station, TX, January 1986.
- 25) Southwest Texas State University, invited address, February 1986.
- 26) Great Plains Operator Theory Conference, University of Kansas, May 1987.
- 27) University of Wisconsin - Milwaukee, Department of Mathematics, invited address Oct. 1988.
- 28) University of Minnesota, Dept. of Political Science, Oct. 1988, invited address.
- 29) Fifth IIMAS Workshop on Numerical Analysis, Merida, Yucatan, Mexico, Jan. 1989, invited address.
- 30) Instituto de Investigaciones en Matematicas Aplicadas y en Sistemas, Jan. 9-10, 1989, invited address.
- 31) Great Plains Operator Theory Symposium, University of Houston, May 4-7, 1989.
- 32) UT-A&M Informal Regional Functional Analysis Seminar, July 23-24, 1989, Texas A&M University, invited address.
- 33) First Mexico-Texas Workshop on Numerical Particle Transport, March 22-23, 1990. UNAM, Mexico City, Mexico, invited address.
- 34) II Symposium de Fisica Aplicada, Monterrey Mex. Sept. 1990, invited address.
- 35) IMSL, Houston, TX. August 9, 1991, invited address.
- 36) 12th International Conference on Transport Theory, Albuquerque, New Mexico, Aug 12-16, 1991, invited address.
- 37) III Symposium Internacional de Fisica Aplicada, Monterrey, N.L., Mexico, October 17-19, 1991, invited address.
- 38) Seventh Texas International Symposium on Approximation Theory, Austin, TX January 3-7, 1992, contributed talk.
- 39) Sixth IIMAS-UNAM Workshop on Numerical Analysis and Optimization, Oaxaca, Mexico, January 7-11, 1992, invited talk.
- 40) International Symposium on Numerical Transport Theory, Moscow, Russia, May 26-30, 1992, invited talk.
- 41) Second Texas-Mexico Workshop on Numerical Particle Transport, College Station, TX, Sept 2-4, 1992, invited talk.
- 42) Second Interagency Symposium on Stabilization of Soils and Other materials, New Orleans, November 2-5, 1992, invited talk.

- 43) Center for Approximation Theory, Annual Symposium, College Station, TX., March 12-13, 1993, invited (35 min) talk.
- 44) Third Texas-Mexico Workshop on Numerical Particle Transport, Mexico March 13-15, 1996, invited.
- 45) International Conference on Dynamical Systems and Differential Equations, Springfield, MO., May 29-June 1, 1996. Invited 40 minutes
- 46) SIAM National Meeting, Minisymposium on Transport Problems, Kansas City, MO, July 21-24, 1996. Invited 20 minutes
- 47) Closed linear functional methods for the two dimensional transport equation, Center for Approximation Theory Annual symposium, April 25, 1997. 40 minutes
- 48) Hermite-Legendre Interpolation, University of Wisconsin --- Madison Centenary Conference, June 1, 1997.
- 49) The Charles A. Dana Center, Multimedia Demonstration and Consultation, Austin, TX May 7, 1997. invited (35 min) talk.
- 50) Gulf Coast Consortium of Community Colleges, Houston (June 19-20, 1998) Workshop on SNB WebCalc
- 51) CAMT (Conference for the Advancement of Mathematics Teaching), San Antonio, TX July 22-24, 1998 WebCalc
- 52) ICTCM, 11th Annual International Conference on Technology in Collegiate Mathematics, Nov 19-22, 1998 WebCalc (two talks)
- 53) A Faculty Forum: Getting started using technology, Texas A&M University, August 25, 1998
- 54) Invited Presentation, A Faculty Forum: Getting Started Using Technology, sponsored by Office of Distant Education, Texas A&M University, Title: The WebCalc Project - An Internet-Based Calculus Course, August 25, 1998
- 55) Invited Presentation, CAMT (Conference for the Advancement of Mathematics Teaching), San Antonio, TX, July 22-24, 1998 The WebCalc Project (Repeated twice) (one hour.)
- 56) Invited Presentation, CAMT (Conference for the Advancement of Mathematics Teaching), Dallas, TX, July 8-12, 1999 The WebCalc Project --- Two Years of Experience. (one hour.)
- 57) Invited Presentation, CAMT (Conference for the Advancement of Mathematics Teaching), Dallas, TX, July 8-12, 1999, The Present and Future of Online Mathematics Education. (one hour.)
- 58) Invited Pre-session. ICTCM, November 4, 1999, San Francisco, CA. Panelist for an all day session on Internet-based mathematics education.
- 59) ICTCM Summer Workshop of math-on-Web, Ft. Collins, Co May 21-24, 2000.
- 60) Principal speaker at the ICTCM Pre-session, November 15, 2000, Atlanta, GA.
- 61) AACE Conference: SITE 2001--Society for Information Technology and Teacher Education International Conference, Orlando, Florida; March 5-10, 2001.
- 62) ICTCM Summer Workshop of Math-on-Web, College Station, TX May 22-25, 2001.
- 63) Invited Presentation. CAMT (Conference for the Advancement of Mathematics Teaching), The Texas A&M online masters program. San Antonio, TX, July 29, 2001.
- 64) Preparing online assessments. A complete JavaScript program. San Antonio, TX,

July 30, 2001.

- 65) ICTCM Summer Workshop of Math-on-Web, Madison, WI July 29-Aug 1, 2001.
- 66) Invited Presentation. Mississippi-Louisiana MATYC Conference at LSU-Eunice. Creating online assessment instruments. September 22, 2001.
- 67) Invited Presentation. ICTCM, November 1, 2001, Baltimore, MD. Moderator for an all day session on Internet-based mathematics education.
- 68) Invited Presentation. ICTCM, November 2, 2001, Baltimore, MD, Professional Development workshop of creating Web-based assessments. (2.5 hours)
- 69) Invited panelist . 2nd Annual Assessment Conference "Measuring what Matters Most", Texas A&M University, Feb 11-12, 2002
- 70) Invited Presentation. The 15th annual ;Science, Technology & YOUth Symposium, "Math Goes to Hollywood", Texas A&M University, March 2-3, 2002.
- 71) Invited Presentation. The dynamics of political power, Cal State Poly Pomona, Pomona, CA, March 10, 2002.
- 72) Invited Presentation. Sam Houston State University, September 27, 2002.
- 73) Invited Presession. ICTCM, October 30, 2002, Orlando, FL. Using digital imaging technologies to teach mathematics concepts. (3 hours)
- 74) Invited Presentation. DEC 2003, Building a quality online masters program, January 21, 24, 2003.
- 75) Invited Presentations. (4 hours) RGVCTM (Rio Grande Valley Council on Teaching Mathematics), Using animations in mathematics instruction, McAllen, TX, November 16, 2002.
- 76) Invited Presentation. Texas Community College Teachers Association, Using digitization for mathematics understanding. February 21-22, 2003.
- 77) Invited Presentation. "Math in the Movies", Science Technology and Youth Symposium, March 1, 2003.
- 78) Panel Discussion, NCTM (National Council of Teachers of Mathematics), Let's Get Together: WWW-based Distance Education for Mathematics Teachers, San Antonio, April 11, 2003.
- 79) Invited Presentation. CAMT (Conference for the Advancements of Mathematics Teaching), "Math Goes to Hollywood," July 17, 2003.
- 80) Invited Presentation. TxDLA Regional Groups Meeting, Visual mathematics - an exploration of new visual mathematics in the algebraic sciences, College Station, TX August 18, 2003. (TxDLA - Texas Distance Learning Association) 30 minutes
- 81) Invited Presentation. Seventh Annual Conference on School-University Partnerships, Sept 28-30, 2003, San Antonio, TX - Educator Perceptions of Math and Science Teacher Preparation Programs, with Dianne Goldsby, Larry Walker, Dawn Parker.
- 82) ICTCM (International Conference on Technology in Collegiate Mathematics) Annual Conference, What is the status of reform algebra?, Chicago, Illinois, Oct 29, 2003.
- 83) Invited Presentation. ICTCM (International Conference on Technology in Collegiate Mathematics) Annual Conference, Using Camtasia - a developmental workshop, Chicago, Illinois, Oct 30, 2003.
- 84) Keynote Address. Multiple Representations - a journey to the future, at the "Aiming for Excellence in Mathematics Teacher Preparation, A Seminar for Teacher Educators," Math TEKS Connections, College Station, TX, May 18-20, 2007.

- 85) Keynote Address. Technology Usage in the College Algebra Course, The Enhanced WebAssign (EWA) Teaching & Learning Workshop, Thomson Publishing, San Diego, CA, March 17, 2007.
- 86) Presentation. The College Algebra Survey, presented at the TexMATYC (Texas Association of Two Year Colleges, Arboretum Renaissance Hotel, Austin TX, February 24, 2007.
- 87) Invited Presentation, Focus on College Algebra, presented at the TexMATYC Section of the TCCTA Annual Meeting, February 23-24, 2007, Austin, TX.
- 88) Presentation. The Triadic Survey in Building Capacity, with Dianne Goldsby, presented at the 7th Annual Texas A&M University Assessment Conference, February 22-23, 2007, College Station, TX.
- 89) Presentation - Using and Validating a Triadic Instrument to Survey Pre-Service Teacher Preferences, with Dianne Goldsby, 2007 Annual Meeting of the Southwest Educational Research Association (SERA), February 7-10, 2007, San Antonio, TX.
- 90) Keynote Address. What technology for teaching mathematics works and why – a perspective, presented at the San Jacinto College Annual Mathematics Meeting, November 18, 2006; Houston, TX.
- 91) Invited Presentation. College Algebra — What Colleges Want, presented at the AMATYC Annual Meeting, November 2-5, 2006; Cincinnati, OH.
- 92) Invited Presentation. College Algebra Across Texas—Survey Results, presented at the Charles A. Dana Center's Annual Mathematics and Science Higher Education Conference and Teacher Quality Higher Education Technical Assistance Meeting "Ensuring College Readiness in Mathematics and Science Higher Education," October 26-28, 2006; Lakeway Inn, Austin, TX.
- 93) Keynote Address . Old Technology, New Technology, Emerging Technology. What works and Why, Keynote address presented to HCC Title V Faculty Leadership Program - Math Workshop, October 20, 2006.
- 94) Invited Presentation. e-Learning in 2016, at the Math Education in 2016 conference, Helsinki, August 8-10, 2006.
- 95) Invited Presentation. Using the Pre-Calculus package, Teacher Quality Grants Conference, Charles A. Dana Center and Texas Higher Education Coordinating Board, Austin, Tx, March 27-28, 2006.
- 96) Panel Presentation. ICTCM, (International Conference on Technology in Collegiate Mathematics) -Should we be teaching undergraduate online courses?, Orlando, FL, March 16-20, 2006. (3/17)
- 97) Invited Presentation. ICTCM, (International Conference on Technology in Collegiate Mathematics) -Teaching higher mathematics courses online, Orlando, FL, March 16-20, 2006. (3/17)
- 98) Panel Presentation. ICTCM, (International Conference on Technology in Collegiate Mathematics) -Techniques for applying for and obtaining grants, at the Pre-Session,

Orlando, FL, March 16-20, 2006. (3/16)

- 99) Invited Presentation. Using and Validating a Triadic Instrument to Survey Middle School Children, 2006 Annual Meeting of the Southwest Educational Research Association (SERA), Austin, February 8-10, 2006, with Dianne Goldsby and Larry Kelly.
- 100) Invited Presentation. "Test Item Dependencies", Bowling Green State University, December 2, 2005.
- 101) Invited Presentations. (2 hours) RGVCTM (Rio Grande Valley Council on Teaching Mathematics), MathStar materials and the TQA pre-calculus course-in-a-box , McAllen, TX, November 19, 2005 (with Amanda Ross).
- 102) Invited Presentation. "Using TQA Grants with Community Colleges", Charles A. Dana Center's Annual Mathematics and Science Higher Education Conference, Lakeway Inn and Resort, Austin, TX, November 17-19, 2005.
- 103) Invited Presentation. Coastal Bend Mathematics Collaborative, "Disconnects between High Schools and Colleges within Mathematics Education in Texas", Nov 13-15, 2005.
- 104) Invited Presentation. An In-Depth Study of Educator Perceptions of Mathematics/Science Teacher Preparation by Means of a Triadic Instrument and Interviews, presented at the Association for Teaching and Curriculum (AATC), (with Dianne Goldsby and Larry Kelly), Austin, TX, October 6-8, 2005.
- 105) Invited Presentation. Precalculus Completely TEKS Aligned, CAMT (Conference for the Advancement of Mathematics Teaching), Adams Mark Hotel, July 11-13, 2005. (with P. Poage)
- 106) Invited Presentation. MathStar Project Using Interactive Technologies, CAMT (Conference for the Advancement of Mathematics Teaching), Adams Mark Hotel, July 11-13, 2005. (with D. Jolly and A. Ross)
- 107) Invited Presentation, Teacher Quality Type B Mathematics Awards Workshop for 2004-05 and 2005-06 Awardees, Doubletree Club Hotel, Austin, TX, May 24, 2005.
- 108) Invited Presentation. High school professional development through community colleges and universities: a perspective, Annual meeting Seamless Transitions State Conference, Austin Convention Center, Austin, (presented twice) March 28-30, 2005.
- 109) Invited Presentation. Dynamic models in politics, colloquium at Prairie View A&M, Prairie View, TX, March 15, 2005.
- 110) Invited Presentation. Using and Validating a Triadic Instrument to Survey Pre-Service Teacher Preferences, 2005 Annual Meeting of the Southwest Educational Research Association (SERA), New Orleans, February 9-12, 2005.
- 111) Invited Presentation. The history of early calculating devices, including the slide rule. San Jacinto College North Annual Math Conference, Houston, TX, November 13, 2004.

- 112) Invited Presentation. Math Star: Supporting Middle School Mathematics  
Presentation by Amanda Ross Dr. Don Allen  
Dr. Deborah Jolly  
Texas A&M University. San Jacinto College North Annual Math Conference,  
Houston, TX, November 13, 2004. (presented by Amanda Ross)
- 113) Panel Discussion, Member of Distance Education Panel for the Texas A&M  
Distance Education Day, November 3, 2004, Texas A&M University, College  
Station, TX. (panelist)
- 114) Invited Presentation. Tenth Annual October Pre service Mathematics Conference,  
Lakeway Inn and Resort, Austin, TX, October 28-30, 2004. Sponsored by the  
Charles A. Dana Center of The University of Texas, Austin, TX. (Session on  
October 29)
- 115) Invited presentation and organizer. ICTCM, (International Conference on  
Technology in Collegiate Mathematics) -All about Assessment Symposium,  
Chicago. Oct 28, 2004.
- 116) Panel discussion. ICTCM, (International Conference on Technology in Collegiate  
Mathematics) -All about Assessment Symposium, Chicago. Oct 28, 2004, wrap-up  
to all day assessment session.
- 117) Invited Presentation. Professional Development in Mathematics at Texas A&M.  
Math Star Coordinators meeting, Oct 18-19, 2004, Los Angeles, CA.
- 118) Invited Presentation. Regent's Initiative for Excellence in Education, Educator  
Perceptions of Mathematics/Science Teacher Preparation Programs, with Dianne  
Goldsby and Larry Kelly, May 26, 2004 Bush School, Texas A&M University.
- 119) Panel Discussion, Where should distance education at Texas A&M be?,  
sponsored by the Office of Distance Education and the TAMU Libraries, February  
26, 2004, Evans Library, Texas A&M University. (panelist)
- 120) Presentation, Southwest Educational Research Association, "Pre-Service Teacher  
Perceptions of Mathematics and Science," Dallas, TX February 7, 2004, with Dianne  
Goldsby, Larry Kelly, and Dawn Parker.
- 121) Invited Presentation. ICTCM (International Conference on Technology in  
Collegiate Mathematics), Using Camtasia, Chicago. Oct 30, 2003.
- 122) Invited presentation. ICTCM, (International Conference on Technology in  
Collegiate Mathematics) -Panel discussion - What is the status of reform algebra?,  
Chicago. Oct 29, 2003.
- 123) Panel Discussion, Universal Design Day at Texas A&M University (MSC 206),  
October 9, 2003, Design of online mathematics materials and application of  
computer assisted design for students with disabilities. Sponsored by the Department  
of Student Life. (panelist)
- 124) Invited Presentation. Seventh Annual Conference on School-University  
Partnerships, Sept 28-30, 2003, San Antonio, TX - Educator Perceptions of Math

and Science Teacher Preparation Programs, with Dianne Goldsby, Larry Walker, Dawn Parker.

- 125) Invited Presentation. TxDLA Regional Group Meeting, Visual mathematics - an exploration of new visual mathematics in the algebraic sciences, College Station, TX August 18, 2003. (TxDLA - Texas Distance Learning Association) 30 minutes.
- 126) Invited Presentation. CAMT (Conference for the Advancement of Mathematics Teaching), Math in the Movies, July 17, 2003.
- 127) Invited Presentation. 4th Annual Chancellor's Invitational Conference for The Academy for Educator Development , Using web based assessment and getting teachers involved at a laptop campus, with Lisa Stinson, St Agnes Academy. Houston, TX, June 12-14, 2003.
- 128) High School Presentation, May 12, 2003 College Station ISD, Math in the movies.
- 129) Panel Discussion, Let's Get Together: WWW-based Distance Education for Mathematics Teachers, NCTM, San Antonio, April 11, 2003. (panelist)
- 130) Invited Presentation. Science Technology and Youth Symposium, Math Goes to Hollywood, Texas A&M University, March 1, 2003. Invited Presentation. 4th Annual Chancellor's Invitational Conference for The Academy for Educator Development , Using web based assessment and getting teachers involved at a laptop campus, with Lisa Stinson, St Agnes Academy. Houston, TX, June 12-14, 2003.
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- 138) Panel Discussion, Where should distance education at Texas A&M be?, sponsored by the Office of Distance Education and the TAMU Libraries, February 26, 2004, Evans Library, Texas A&M University. (panelist)
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- 150) Invited Presentation. High school professional development through community colleges and universities: a perspective, Annual meeting Seamless Transitions State Conference, Austin Convention Center, Austin, (presented twice) March 28-30, 2005.
- 151) Invited Presentation, Teacher Quality Type B Mathematics Awards Workshop for



2004-05 and 2005-06 Awardees, Doubletree Club Hotel, Austin, TX, May 24, 2005.

152)

- 153) Invited Presentation. MathStar Project Using Interactive Technologies, CAMT (Conference for the Advancement of Mathematics Teaching), Adams Mark Hotel, July 11-13, 2005. (with D. Jolly and A. Ross)
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- 157) Invited Presentation. "Using TQA Grants with Community Colleges", Charles A. Dana Center's Annual Mathematics and Science Higher Education Conference, Lakeway Inn and Resort, Austin, TX, November 17-19, 2005.
- 158) Invited Presentations. (2 hours) RGVCTM (Rio Grande Valley Council on Teaching Mathematics), MathStar materials and the TQA pre-calculus course-in-a-box, McAllen, TX, November 19, 2005 (with Amanda Ross).
- 159) Invited Presentation. "Test Item Dependencies", Bowling Green State University, December 2, 2005.
- 160) Invited Presentation. Using and Validating a Triadic Instrument to Survey Middle School Children, 2006 Annual Meeting of the Southwest Educational Research Association (SERA), Austin, February 8-10, 2006, with Dianne Goldsby and Larry Kelly.
- 161) Panel Presentation. ICTCM, (International Conference on Technology in Collegiate Mathematics) -Techniques for applying for and obtaining grants, at the Pre-Session, Orlando, FL, March 16-20, 2006. (3/16)
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- 163) Panel Presentation. ICTCM, (International Conference on Technology in Collegiate Mathematics) -Should we be teaching undergraduate online courses?, Orlando, FL, March 16-20, 2006. (3/17)
- 164) Invited Presentation. Using the Pre-Calculus package, Teacher Quality Grants Conference, Charles A. Dana Center and Texas Higher Education Coordinating Board, Austin, Tx, March 27-28, 2006.

- 165) Invited Presentation. e-Learning in 2016, at the Math Education in 2016 conference, Helsinki, August 8-10, 2006.
- 166) Keynote Address . Old Technology, New Technology, Emerging Technology. What works and Why, Keynote address presented to HCC Title V Faculty Leadership Program - Math Workshop, October 20, 2006.
- 167) Invited Presentation. College Algebra Across Texas—Survey Results, presented at the Charles A. Dana Center’s Annual Mathematics and Science Higher Education Conference and Teacher Quality Higher Education Technical Assistance Meeting " Ensuring College Readiness in Mathematics and Science Higher Education," October 26-28, 2006; Lakeway Inn, Austin, TX
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- 174) Keynote Address. Technology Usage in the College Algebra Course, The Enhanced WebAssign (EWA) Teaching & Learning Workshop, Thomson Publishing, San Diego, CA, March 17, 2007.
- 175) Keynote Address. Multiple Representations - a journey to the future, at the "Aiming for Excellence in Mathematics Teacher Preparation, A Seminar for Teacher Educators," Math TEKS Connections, College Station, TX, May 18-20, 2007.
- 176) Presentation, Moving from High School Mathematics to College Mathematics. What's going on?, with Linda Zientek, Mel Griffin, Jim Wohlgehagen, Jacqueline Weilmuenster, CAMT (Conference for the Advancement of Mathematics Teaching), Henry B. Gonzales Convention Center, San Antonio, TX, June 28-30, 2007.
- 177) Presentation, All About Quadratics - for the Teacher, CAMT (Conference for the Advancement of Mathematics Teaching), Henry B. Gonzales Convention Center, San Antonio, TX, June 28-30, 2007.
- 178) Keynote Address. Technology in Math Education at Texas A&M University, JEM

- Workshop on New and Emerging Technologies in Math Education, Helsinki, August 17-18, 2007.

- 179) Invited Address. Course redesign at TAMU, presented to the Texas Association of Academic Administrators in Mathematical Sciences (TAAAMS), at Baylor University, Waco, TX, October 13, 2007.
- 180) Panel Presentation, University Interface with Community Colleges to Ensure Success of Transfer Students through the NSF GK-12 Program, at the Southwest Regional NSF GK-12 Conference College Station, Texas with Mel Griffin, Bob Brick, Claudia Davis, Alice Sessions; Representing GK-12 Programs: G. Donald Allen, Jan Snyder, Kate Miller, Nancy Moreno, G. Donald Allen - moderator, November 9-10, 2007
- 181) Invited Presentation, Placement Examinations, presented at the JEM, Joining Educational Mathematics, an EU-funded thematic network for Mathematics Education, January 31 - February 2, 2008.
- 182) Invited Presentation. Triadic measurements of pre-service teachers, presented at the Southwest Educational Research Association annual meeting, February 6-8, 2008.
- 183) Invited Presentation. Placement Examinations at Texas A&M University, presented at the JEM, Joining Educational Mathematics, an EU-funded thematic network for Mathematics Education, Universitat Politècnica de Catalunya Facultat de Matemàtiques i Estadística (FME) Carrer Pau Gargallo, 5, Barcelona, Spain, January 31 - February 2, 2008.
- 184) Keynote Address. e-learning in the 21st Century , presented to the South Texas Mathematics Consortium (STMC), 16th Annual Meeting of Faculty and Students, Texas A&M Kingsville, February 9, 2008.
- 185) Invited Presentation, Technology in the schools - a survey, ICTCM annual meeting, San Antonio, TX, March 6-8, 2008. Organizer of special session of technology in the schools.
- 186) Keynote Address. What Colleges want and What Colleges Get, presented to the Cengage Assessment Workshop, Microtek Training Facility, Dallas, TX, March 14, 2008.
- 187) Invited presentation (special session), Misconceptions in Mathematics Understanding, AMS Regional Meeting, 2008 Spring Southeastern Meeting Louisiana State University, Baton Rouge, LA, March 28-30, 2008. cancelled due to illness.
- 188) Presentation, Misconceptions in Mathematical Understanding, CAMT (Conference for the Advancement of Mathematics Teaching), San Antonio, TX, July 9-11, 2008, with S. Scarborough.
- 189) Keynote Address. Teaching mathematics: What work, what doesn't work and why. Fall Faculty Forum, TAMU-Galveston, Galveston, TX, August 22, 2008.

- 190) Invited Presentation, Administrative Leadership for TEKS and TAKS Mathematics, presented to Administrators Guide to Increasing Achievement in Math, Education Service Center VI, September 26, 2008.
- 191) Presentation, SERA (Southwest Educational Research Association), Pre-Service Teacher Perceptions of Teaching Fractions through a Survey, Essay, and Mathematical Misconceptions, February 4-7, 2009.
- 192) Invited Presentation, What is the National Math Panel and how does it affect the colleges? TexMATYC, Texas Mathematical Association of Two-Year Colleges), Friday, February 20, 2009
- 193) Presentation, Pre-Service Teacher Perceptions of Teaching Fractions through a Survey, Essay, and Mathematical Misconceptions, ICTCM (International Conference on Technology in Collegiate Mathematics, March 12-15, 2009.
- 194) Presentation, Assessing Perceptions through a Technology-Mediated Triadic Survey Instrument, Association of Teacher Educators, Reno, NV, August 1-5, 2009, with Dianne Goldsby.
- 195) Invited Presentation, Mathematical Power Models, University of Sao Paulo, Sao Paulo, Brazil, February 8, 2010.
- 196) Invited Presentation, Aspects of the TAMU Mathematics Placement Exam, University of Turino, Turino, Italy, March 1, 2010.
- 197) Invited Presentation, Integrating the CCRS into Academic Courses, at the TAMU Collaborative Summer Institute, College Station, TX, June 23, 2010.
- 198) Invited Presentation, TAMU Mathematics Placement Exam, at the NSF TAMU System Engineering Grant Meeting, College Station, TX. March 11, 2010 and April 21, 2010.
- 199) Poster, Retention through Remediation: Enhancing Success in Calculus I, at the NSF meeting, Identifying, Implementing and Integrating Best Practices, Washington, DC, March 3-5, 2010.
- 200) Invited Presentation, Mathematics, Technology, and Mathematics Education, University of Nairobi, Kenya, August 13, 2010.
- 201) Invited Presentation. Huang, R., Li, Y., Kulm, G., & Allen, D. (Accepted). Pre-service mathematics teachers' knowledge for teaching algebra in China and the U.S. American Education Research Association (AERA), April 8 –12, 2011, New Orleans, Louisiana.
- 202) Invited Presentation. Mathematics Content, WEPS and STACK Meeting, Exactum Building, University of Helsinki, Helsinki, Finland, August 2-5, 2011.
- 203) Invited Presentation. A Study of Pre-Service Teacher Perceptions of Ability to Use Technology, Dianne Goldsby, Robin Rackley, & G. Donald Allen–Texas A&M University, Southwest Educational Research Association, Menger Hotel, San Antonio, Texas February 2-5, 2011.

- 204) Presentations. Visual Algebra, Presented to AP pre-Calculus Institute, College Station, TX, July 8, 2011, Masters program at Texas A&M University, Presented to the AP Calculus Institute, College Station, TX, July 15, 2011.
- 205) Presentation, Personalized Before Calculus Program, ICTCM Annual meeting, March 21-24, 2012, with S. Nite, J. Whitfield, S. Sledge.
- 206) Invited Presentation, "A Fast and Furious Bridge to Calculus II – ONLINE!," AMATYC 40th Annual Conference, Gaylord Opryland Resort in Nashville, TN, November 13-16, 2014, with Sharon Sledge .
- 207) Invited Presentation, "Increasing Calculus II Success with a Bridging Program," 2014 Hawaii University International Conference, June 10-12 at the Ala Moana Hotel, with Sandra Nite.
- 208) Invited Presentation, Impossible Problems and MOOCs, ICTCM (International Conference on Teaching Collegiate Mathematics) 26th annual meeting, March 21-23, 2014.
- 209) Invited Presentation, Student Characteristics That Help Predict Success in Calculus: Results from a Summer Precalculus Program, ICTCM (International Conference on Teaching Collegiate Mathematics) 26th annual meeting, with Sandra Nite, March 21-23, 2014.
- 210) Invited Presentation, "Personalized Precalculus Program – A Summer Bridge Program", TCCTA Annual Meeting, San Antonio, TX, February 7, 2014.
- 211) Invited Presentation, Using a bridging program for Calculus Instruction, North Carolina State, January 15, 2014.
- 212) Invited Presentation, Pre-session, presented to the pre-session of the ICTCM (International Conference on Teaching Collegiate Mathematics) in San Antonio, March 7, 2013. All day workshop.
- 213) Invited Presentation, "A Fast and Furious Bridge to Calculus II – ONLINE!," AMATYC 40th Annual Conference, Gaylord Opryland Resort in Nashville, TN, November 13-16, 2014, with Sharon Sledge .
- 214) Invited Presentation, "Increasing Calculus II Success with a Bridging Program," 2014 Hawaii University International Conference, June 10-12 at the Ala Moana Hotel, with Sandra Nite.
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- 217) Invited Presentation, "Personalized Precalculus Program – A Summer Bridge Program", TCCTA Annual Meeting, San Antonio, TX, February 7, 2014.

- 218) Invited Presentation, Using a bridging program for Calculus Instruction, North Carolina State, January 15, 2014.
- 219) Invited Presentation, Pre-session, presented to the pre-session of the ICTCM (International Conference on Teaching Collegiate Mathematics) in San Antonio, March 7, 2013. All day workshop.
- 220) Invited Presentation, MOOCs and what they imply, TCCTA annual meeting in San Antonio, TX, February 7, 2014.
- 221) Invited Presentation, The Precalculus Program, North Carolina State University, November 20, 2013.
- 222) Invited Presentation (via Webinar), Advancing an Online Project in the Assessment and Effective Teaching of Calculus, with Mika Seppala and Eamonn Kelly, November 14, 2013. [The meeting is held in Adobe ConnectPro on Thursday 14 November, 18:00-19:00 EEST (Finland)/08:00-09:00 (California, USA)]
- 223) Invited Presentation, Understanding the predictive results of testing, University of Sao Paulo, Brazil, November 12, 2013.
- 224) Invited Presentation. Understanding MOOCs and online delivery, NSF SAVI conference on big data, October 24-27, 2013, Helsinki, Finland.
- 225) Invited Presentation, Misconceptions in Mathematics, Teacher Quality Annual Technical Meeting, Lost Pines, Resort, Bastrop, TX, April 2, 2013,
- 226) Invited Presentation, Triadic Surveys on Teacher Preparation, ICTCM (International Conference on Teaching Collegiate Mathematics) annual meeting, March 23, 2013.
- 227) Invited Presentation, Math Assessment Testing, ICTCM annual meeting, March 22, 2013.
- 228) Invited Presentation. Assessment and Teaching, NSF SAVI meeting, Tallahassee, FL, March 14-15, 2013.
- 229) Invited Presentation. Innovations and Learning in Education, sponsored by the NSF-SAVI USA-Finland program and the Finnish TEKES program, October 11-13, 2012.
- 230) Using a bridging program for Calculus Instruction, North Carolina State, January 15, 2014.
- 231) "Personalized Precalculus Program – A Summer Bridge Program”, TCCTA Annual Meeting, San Antonio, TX, February 7, 2014.
- 232) Impossible Problems and MOOCs, ICTCM (International Conference on Teaching Collegiate Mathematics) 26th annual meeting, March 21-23, 2014.
- 233) Student Characteristics That Help Predict Success in Calculus: Results from a Summer Precalculus Program, ICTCM (International Conference on Teaching Collegiate Mathematics) 26th annual meeting, with Sandra Nite, March 21-23, 2014.

- 234) Invited Presentation, "A Fast and Furious Bridge to Calculus II – ONLINE!," AMATYC 40th Annual Conference, Gaylord Opryland Resort in Nashville, TN, November 13-16, 2014, with Sharon Sledge .
- 235) Invited Presentation, "Increasing Calculus II Success with a Bridging Program," 2014 Hawaii University International Conference, June 10-12 at the Ala Moana Hotel, with Sandra Nite.

#### ONLINE BOOKS

- Linear Algebra - [http://www.math.tamu.edu/~dallen/m640\\_03c/readings.htm](http://www.math.tamu.edu/~dallen/m640_03c/readings.htm)
- History of Mathematics - [http://www.math.tamu.edu/~dallen/masters/hist\\_frame.htm](http://www.math.tamu.edu/~dallen/masters/hist_frame.htm)
- WebCalC – an online calculus course - <http://www.math.tamu.edu/~webcalc/webcalc.html>

#### PROFESSIONAL DEVELOPMENT SERIES – MATERIALS FOR TEACHERS AND K-12 STUDENTS

- All about fractions - for the teacher, <http://disted6.math.tamu.edu/fractions/index.htm>
- All about quadratics - for the teacher, <http://distance-ed.math.tamu.edu/quadratics/index.htm>
- Visual Algebra - teaching algebra using visual tools, <http://distance-ed.math.tamu.edu/techttools/v algebra/v algebra.htm>
- Fractions, Measurement, and Proportion - for the teacher, <http://disted6.math.tamu.edu/mpf/index.htm>

#### OTHER TALKS

- Poster Session. joint with Lisa Stinson, Female Students' Performance on and Preference for Computer- Delivered vs. Scantron Tests, 2003 Joint Conference Information Technology in Science (ITS) Center for Teaching and Learning Southwest – Association for the Education of Teachers in Science, March 1, 2003. (given by Stinson) Ft. Worth, TX.
- Panel Discussion, Universal Design Day at Texas A&M University (MSC 206), October 9, 2003, Design of online mathematics materials and application of computer assisted design for students with disabilities. Sponsored by the Department of Student Life, TAMU.
- College of Science, TAMU - Open House, September 6, 2003, presentation on distance education, online masters of mathematics program.
- Math Camp - presentation to 45 junior high school students on the use of mathematics in Hollywood produced movies, July 11, 2003, College Station, TX.
- Philosophy Group - presentation to a group of philosophers and sociologist on the application of Flash to interactive logic proofs, June 2, 2003, College Station, TX

- ITWG - Information Technology Working Group, Using Flash MX for teaching science - Texas A&M University, October 1, 2002.
- Invited Presentation. Science Technology and Youth Symposium, Math Goes to Hollywood, March 1, 2003.
- Poster Session. joint with Lisa Stinson, Female Students' Performance on and Preference for Computer- Delivered vs. Scantron Tests, 2003 Joint Conference Information Technology in Science (ITS) Center for Teaching and Learning Southwest –Association for the Education of Teachers in Science, March 1, 2003. (given by Stinson)

#### OTHER WRITINGS - ADDITIONAL

- The following have appeared in *Focus on Mathematics Pedagogy and Content* - a [newsletter](http://disted6.math.tamu.edu/newsletter/) for math teachers. See: <http://disted6.math.tamu.edu/newsletter/>
  - The Caesar Cypher, [Volume 1, Number 1](#) January, 2009
  - How big is infinity?, [Volume 1, Number 2](#), February, 2009
  - Problems in Mathematical Recreation [Volume 1, Number 4, May 2009](#)
  - The Mystery of the New "Planet" (Or How Regression Saved the Day) [Volume 1, Number 5, June 2009](#)
  - Early PI -- Part I, [Volume 1, Number 8, September 2009](#)
  - What Technology Works for Teaching Mathematics and Why - A Perspective, Part I, [Volume 1, Number 9, October 2009](#)
  - What Technology Works for Teaching Mathematics and Why - A Perspective, Part II, [Volume 1, Number 10, December 2009](#)
  - Primes, Perfect Numbers, and Magic Numbers (Just for Fun), [Volume 2, Number 8 October 2010](#)
  - Geometry meets Algebra — Super-Conic Constructions, Part I [Volume 2, Number 9 November 2010](#)
  - Geometry meets Algebra — Super-Conic Constructions, Part II, [Volume 2, Number 10 December 2010](#)
  - Working Together - The Math Part, [Volume 3, Number 5 July 2011](#)
  - Principals as Leaders and Decision Makers in Mathematics Instruction, Part I, [Volume 3, Number 7 September 2011](#)
  - Why Study Math when I Have Technology? [Volume 4, Number 2, April 2012](#)
  - Optimization problems – with and without calculus, to appear.
- Geometry Applets, a collection of Flash interactive applets for high school geometry, May 2007.
- Misconceptions in Algebra, September 2006.
- Problem Solving for Teachers, April, 2007.
- Multiple Representations for Pre-service Teachers, April, 2007.
- Tech Tools, Tools that make teaching mathematics with technology easier, a college of numerous math technology tools including Maple, Excel, and Flash. 2005.
- Workshop on Fractions, Proportion, and Measurement, including content, PowerPoint lessons, 5E pedagogy, Lesson plans, etc. for the Pasadena Independent School District , 2005.
- All about Quadratics - for the Teacher, 2005



- Collected mathematics essays for teachers, in the MathStar-Texas Newsletter, 2004-2005
- Pre-calculus - course-in-a-box, for professional development, 2004
- Flash online workshop, a collection of Flash applications on mathematical topics, 2002-2005.
- Developed specialty programs for teachers and students including Digitizer. Software:(<http://www.math.tamu.edu/dallen/digitalcam/index.htm>)
- Math goes to Hollywood (<http://www.math.tamu.edu/dallen/hollywood/mathindex.htm>)
- Understanding Statistics visually, Software: (<http://www.math.tamu.edu/dallen/flash-demo/index.htm>)
- Physics animations. Getting the physics right, Software:(<http://www.math.tamu.edu/dallen/physics/index.htm>)
- Digitizer software and website. Using digitization software to explore mathematics topics. ©2002-03. (<http://www.math.tamu.edu/dallen/digitalcam/index.htm>)
- MATLAB and Maple models for physics. A part of the Information Technology Center summer institute for education leaders. Online. <http://www.math.tamu.edu/dallen/its>
- Preparing a Quiz using the Template, JavaScript Quiz Templates - a collection of JavaScript feedback quizzes with directions for creating new quizzes. Fully integrated and self-quiz reproducing. August 2001.(<http://www.math.tamu.edu/dallen/mq14/quizmaker14.htm>)
- Preparing a Quiz using the Template, JavaScript Quiz Templates - a collection of JavaScript feedback quizzes with directions for creating new quizzes. The user needs only have a text editor to create such quizzes. All the JavaScript has been written, Fall 2000. (://www.math.tamu.edu/dallen/mq14/quizmaker14.htm)
- Lectures on the History of Mathematics, a continuing web-based project which is updated and used annually. This project has been linked by several online history of mathematics websites, 1996-2001.
- Online Masters of Mathematics Home page, 1999 URL: [www.disted6.math.tamu.edu](http://www.disted6.math.tamu.edu).
- WebCalC, an online calculus course, 1998-2000. Home page URL: [www.math.tamu.edu/~webcalc/webcalc.html](http://www.math.tamu.edu/~webcalc/webcalc.html)
- Java Script-based quizzing, 1999. URL: [www.math.tamu.edu/dallen/cshtemp/cshsframe.htm](http://www.math.tamu.edu/dallen/cshtemp/cshsframe.htm)
- The History of  $\pi$  , 1998, URL: [www.math.tamu.edu/~dallen/pi/pi.html](http://www.math.tamu.edu/~dallen/pi/pi.html)
- Math/Science Online Newsletter, Winter 1999/2000.
- Math/Science Online Newsletter, Summer 1999.
- Math/Science Online Newsletter, Two Faces of the Internet, December 1999.
- The History of Infinity, June 1999. (A part of the History of mathematics project. 22 pages).
- The WebCalC Newsletter, Summer 1998.
- The WebCalC Newsletter, Winter 1998.
- Why is Pete Sampras so Good? 1997.

- A First Encounter with Scientific Notebook, a primer for use in workshops.
- Would you like to have a war? (An analysis and computer simulation of a card game.)
- The Pythagoreans and the Primes. appeared in the Right Angle, 1997.
- A TAAS like Testing Environment, Exit Level , 1997.
- Computer Codes for General Two Dimensional Transport Problems, 1997.
- Stability of a Class of Self-Organizing Systems, 1991.
- System Impact of Hit Assessment Capability for NPB Discrimination, with Paul Nelson, Robert D. Jarvis, and Walter C. Daugherty, 1990

#### CURRENT AND PROJECTED RESEARCH

I am actively engaged in mathematical research in a several directions. First I am continuing a long time effort in the direction of dynamical systems related to cooperative-competitive systems. This work is centered on stability theory for nonlinear differential systems. In another direction, I am working on numerical methods for the solution of first order hyperbolic partial differential equations that arise in transport theory. We have already discovered an interesting class of methods based on orthogonal projections in distinction to moments-balance equations. Finally, I am continuing my study of diffusion through porous media. In particular, we are studying extreme short term behavior of one and two dimensional diffusion equations where the diffusion coefficient is not differentiable and the boundary condition involve a type of boundary layer.

#### ONLINE COURSES DEVELOPED

- Math 609 - Numerical Analysis - an online course (Fall 2005)
- Math 664 - Theory of Assessment - an online course (Summer 2004)
- Math 689 - Communications and Technology in Mathematics II. Mathematics of assessment. (May 2004)
- Math 646 - Problems in Mathematics II - online version. (Spring, 2004)
- Math 645 - Problems in Mathematics - online version. (Fall, 2003-2004)
- Math 696 Communications and Technology. A course for graduate mathematics students on IT in mathematics. Topics include: Document preparation, computer algebra systems, graphics preparation, HTML, and JavaScript. 2000. (with Michael Pilant)URL: [www.distance-ed.math.tamu.edu](http://www.distance-ed.math.tamu.edu).
- Math WebCalC --- An online Calculus course. Home page URL: [www.math.tamu.edu/~webcalc/webcalc.html](http://www.math.tamu.edu/~webcalc/webcalc.html)
- Math 640 - online Linear Algebra, 2001-2002Math 645 --- online Problems Survey I, 2002Math 629 --- online, History of Mathematics, 1996-2003Math 451 --- online, Differential Equations, 2003
- With a team of 3 other colleagues, I am developing a WEB based Math 151 course, titled WebCalC. WebCalC went online during the Spring 1998 semester. This is a continuing project, designed to ultimately produce a curriculum of online mathematics courses. The WebCalC Project is the development of a on-line calculus course at the beginning college or AP high school level. What does this mean? Nothing less than a fully comprehensive calculus course to be delivered over the Internet. WebMath is a collection of projects dedicated to produce an on-line

mathematics curricula from algebra to differential equations. This is what we are about. We have a home page. (See funding.) Below I list some of my WebCalC-related visits and activities during the past calendar year. All visits were one to three hours in length and were for the purpose of demonstrating and explaining WebCalC.

COMMUNITY COLLEGES – VISITATIONS FOR WEBCALC

- McClennan Community College, Waco, Buddy Powell, Randy Schormann, Dr Wayne Matthews
- Temple College, Waco, Cameron Neal, Charles Stout James Van Ness
- Central Texas College, Killeen
- Blinn College, Bryan, Mary Ellen Davenport
  - o HIGH SCHOOLS:
    - ♣ Bryan High, Eleanor Mueller
    - ♣ Consolidated, CS, Mary Selzer
    - ♣ Somerville HS, Ricky Cole
    - ♣ Caldwell HS, Debbie Stefka
  - o FOUR YEAR COLLEGES:
    - ♣ Texas A&M, College of Engineering, July 14, 1997, Karen Watson, Make McDermott, Lee Carlson, Lee Lowry, Larry Piper
  - o CONFERENCES:
    - ♣ Gulf Coast Consortium of Community Colleges, Houston (June 19-20, 1998) Workshop on SNB WebCalc
    - ♣ CAMT (Conference for the Advancement of Mathematics Teaching), San Antonio, TX July 22-24, 1998 WebCalc
    - ♣ ICTCM, 11th Annual International Conference on Technology in Collegiate Mathematics, Nov 19-22, 1998 WebCalc (two talks)
    - ♣ A Faculty Forum: Getting started using technology, Texas A&M University, August 25, 1998
  - o WORKSHOPS:
    - ♣ '98 Maple Workshop, TAMU, June, 26, 1998
    - ♣ AP Calculus Workshop, TAMU, July 1, 1998
  - o PUBLISHERS:
    - ♣ Wiley, Vernon Church, Steve Gideon
    - ♣ Brooks/Cole, Bob Evans TCI, Roger Hunter
    - ♣ Prentice-Hall, George Lobell
- Math 308, Differential equations with MAPLE, development of laboratory materials, Spring 1999 (see Web page)
- Math 629, History of Mathematics, development of a distance learning format for delivery in the first summer term, 1996, Spring 1996. (I had 8 students at UTB and 8 students at TAMU. Classes were conducted via the TTVN, Trans-Texas Video Conferencing Network.)

TEACHING

Regularly Scheduled Classes Taught

Math 646, Spring 2012 – Problem Survey II

Math 645, Fall 2011 – Problem Survey I  
 Math 646, Spring 2011 - Problems Survey II  
 Math 645, Fall 2011, Problems Survey I  
 Math 629, Fall 2010 - History of Mathematics  
 Math 664, Spring 2010 - Theory of Assessment  
 Math 629, Fall 2009 - History of Mathematics  
 Math 646, Spring 2009 - Problems Survey II  
 Math 645, Fall 2008, Problems Survey I  
 Math 664, Summer 2008 Theory of Assessment  
 Math 646, Spring 2008, T Problems Survey II  
 Math 646, Spring 2007, Problems Survey II  
 Math 696, Summer II, 2006, Mathematical Communications and Technology  
 Math 664, Spring 2006, Mathematical Theory of Assessment  
 Math 609, Fall 2005, Numerical Analysis  
 Math 696, Summer 2005, Seminar in Applied Mathematics  
 Math 664, Spring 2005, Seminar in Applied Mathematics  
 Math 646, Spring 2005, Problems Survey II  
 Math 645, Fall 2004, Problems Survey I  
 Math 689, Summer, 2004, Mathematics of Assessment  
 Math 696, Spring 2004 (an online course) Enrollment: 15  
 Math 629, Spring 2004 (an online course) Enrollment: 15  
 Math 646, Spring 2004, (an online course) Enrollment: 30  
 Math 645, Fall 2003 (an online course) Enrollment: 26  
 Math 640, Fall 2003 (an online course) Enrollment: 28 (two sections)\*  
 Math 451, Summer 2003 (an online course)\* Enrollment: 15 (two sections)  
 Math 629, Spring 2002 (an online course)\* Enrollment: 36 (two sections)  
 Math 640, Fall 2002 (an online course)\* Enrollment: 21 (two sections)  
 Math 645, Fall 2002 (an online course)\* Enrollment: 24 (two sections)  
 Math 629, Spring 2002 (an online course) Enrollment: 19 (two sections)  
 Math 609, Fall 2001  
 Math 640, Fall 2001 (an online course)\*  
 Math 696, Spring 2001 (an online course)\*  
 Math 142, Spring 2001  
 Math 609, Fall 2000  
 Math 151, Fall 2000 (an online course)  
 Math 629, Fall 2000 (an online course)\*  
 Math 151, Summer 2000 (an online course)  
 Math 629, Spring 2000 (an online course)\*

\* These courses were taught in dual mode, both in the classroom and online, with separate section numbers.

#### GRADUATE STUDENTS SUPERVISED AND GRAD COMMITTEES (SINCE 2003)

Served on 15 Ph.D. committees for other departments. Served on 110 Masters committees. Chair of 60 masters committees. Co-chair two Phd committees. Online masters students graduating since 2004: Larry Musolino, Rebecca Moch, Talana

Hamilton, Pamela Kimbrough, Aubrey Vasquez, Paula Whitman, Heather Caster Richard Frederick, Susan Vandiver, Richard Enderton, Barbara Nunley, Angela Milano, Heather Bergman, Allyn Leon, Vincent Jones, Julie Merrill, Cynthia Mixon, Michelle Agriesti, Naomi Driscoll, Ilham El Saleh, Julie Seifert, Cameron Macky Thomas Davis, Ginger Walker, Rebecca Black, Thomas Gree, Jennifer Wellman, Molly Mason, De-Vonna Clark, Crystal Bartels, Cary Crawford, Craig Bridges, Masters: David Ames, Megan Pritchard  
Phd committees: Meixia Ding, Judy Taylor, Tamera Carter, Pavel Tsvetkov, Cathy Liu (STAT), Adeoti Taiwo Adediran, Lea Ellen Burch, Lea Ellen Burch, Laura Shea Busenlehner, Tamara Anthony Carter, Roger R. Contreras, Peter Verle Cornish, David Paul Craig, Qifeng Ding, Cathy Mariotti Ezrailson, Olivia Rodriguez Garcia, Mousavi Mir Jaafari, Kyoung Jin Lee, Kyoungjin Lee, Yingxue Liu, Guillermo Marquez, Obed Matus, Diem M. Nguyen, Bemini Hennadige Peiris, Bemini Hennadige Peiris, Armando Isaac Perez, Elsa Cantu Ruiz, Hossein Shirvani, Sharon Kaye Sledge, Judy Marie Taylor, Galina Valeryevna Tsvetkova, Pavel Valeryevich Tsvetkov, Yongzhe Xie, Jennifer Rolfes, Rongjin Huang (TLAC), Ling Wang (Stat), Megan Pritchard (NE), David Ames (NE), Kurt Bruggeman (Math), Brent Christianson (STAT), Jessica Wendling (MATH), Emily Housley (STAT), Danny Ralston (MATH), Mark A. Pitts (STAT), Amber Dean (STAT), Mark Barrish (MATH), Lisa Beatty (MATH), Joe Bilyard (MATH), William Bolton (MATH), Mark Butz (MATH), Jeff Cagle (MATH), Thomas Caulton (MATH), Scott Copperman (MATH), Stephen Dauphin (MATH), James Dinh (MATH), Eduardo Drucker (MATH), David Fleeger (MATH), Suzanne Fluke (MATH), Gail (Thorne) Freed (MATH), Kristen Hemmingway (MATH), Ashley Hubble (MATH), Neil Kalinowski (MATH), Marty Kellum (MATH), Jeremy Knight (MATH), Barbara Kunkel (MATH), Elizabeth Lambert (MATH), Kathryn Lemons (MATH), Luther Lessor (MATH), Luis Magallanes (MATH), Don March (MATH), Janell (Martin) Eck (MATH), Chris McDowell (MATH), Mark McKinnon (MATH), Chanin Monestero (MATH), Stephanie Nite (MATH), Adriana Nunez (MATH), Lisa Obrien (MATH), John Osborn (MATH), Stephanie Osinski-Rea (MATH), Sara Patterson (MATH), Erica Pesek (MATH), Susan Powell (MATH), Jason Prince (MATH), Julie Sarzynski (MATH), Anita Schneider (MATH), Matthew Seiders (MATH), Edward Sharkus (MATH), Deborah Shinaberry (MATH), Hyun Ho Song (MATH), Joshua Stevens (MATH), Jason Tepe (MATH), Eric Thompson (MATH), Janessa Tucker (MATH), Meghan Waterbury (MATH), Joshua Wilkerson (MATH), Joe Bilyard (MATH), Luther Lessor (MATH), Jeffrey Fetzer (MATH), Joseph Magagnoli (STAT), Alex Bessinger (STAT), Joel Galang (STAT), Jennifer Morse (STAT), Hung Tran (STAT)

## APPENDIX: MATHEMATICS/EDUCATIONAL/TECHNOLOGY PROJECTS

(All collected through 2008; some overlap with the above is possible)

- Presta Digitization – a website dedicated to connecting digital images to mathematics and what you can do with a digital camera.  
<http://www.math.tamu.edu/~dallen/digitalcam/index.htm>
- Pre-calculus – course in a box for professional development. ([http://distance-ed.math.tamu.edu/Precalculus\\_home/index.htm](http://distance-ed.math.tamu.edu/Precalculus_home/index.htm)), written with a group of others.
- All About Quadratics - for the Teacher, <http://distance-ed.math.tamu.edu/quadratics/index.htm>
- All About Fractions - for the Teacher, <http://distance-ed.math.tamu.edu/fractions/index.htm>
- Math goes to Hollywood  
(<http://www.math.tamu.edu/~dallen/hollywood/index.htm>) - a selection of math examples from feature length Hollywood films. From comedy to drama, from K-6 level to 10-12 there are examples of how Hollywood movies occasionally feature some very interesting mathematics.
- WebCalc (<http://www.math.tamu.edu/%7Ewebcalc/webcalc.html>) - a fully online calculus course and related papers.
- JavaScript Geometry (<http://distance-ed.math.tamu.edu/mathtools/javageo/index.htm>) - a basic tutorial of geometry proofs with “unfolding” proof and discussion.
- Online TAAS questions ([http://distance-ed.math.tamu.edu/mathtools/taas\\_quiz/index.htm](http://distance-ed.math.tamu.edu/mathtools/taas_quiz/index.htm)) - covering the 13 objectives of the exit level TAAS (Texas Assessment of Academic Skills) examination with online multiple choice questions.
- Make-a-quiz (<http://www.math.tamu.edu/~dallen/mq14/quizmaker14.htm>) - a simple to use generator of self-grading quizzes for teachers of all subjects.
- ICTCM short course on using the Web for mathematics instruction - complete lecture notes and demos <http://distance-ed.math.tamu.edu/techtools/workshop/index.htm>
  - Basic HTML – a tutorial on basic HTML language (<http://distance-ed.math.tamu.edu/techtools/workshop/HTML.html>)
  - Using Dreamweaver- a tutorial on using the HTML editor Dreamweaver 4 (<http://distance-ed.math.tamu.edu/techtools/workshop/htmleditors/dw1.htm>)
  - Using FrontPage - a tutorial on using the HTML editor FrontPage 2000, [http://distance-ed.math.tamu.edu/techtools/workshop/htmleditors/newweb/frontpage\\_basics.htm](http://distance-ed.math.tamu.edu/techtools/workshop/htmleditors/newweb/frontpage_basics.htm)
- Using Excel and Visual Basic in the mathematics classroom - tutorial and examples of VBA code used within Excel, [http://distance-ed.math.tamu.edu/techtools/workshop/excel\\_vba.htm](http://distance-ed.math.tamu.edu/techtools/workshop/excel_vba.htm)
- Excel tutorials - <http://distance-ed.math.tamu.edu/techtools/workshop/excel/tutorials.htm>

- JavaScript (<http://distance-ed.math.tamu.edu/techtools/workshop/JavaScript.html>) - many examples of JavaScript applied to mathematics instructional settings
- Flash - numerous Flash animations with a mathematical theme. <http://distance-ed.math.tamu.edu/techtools/flash/index.htm>
- Math/Science Online Newsletter (<http://www.math.tamu.edu/ms-online/>) – a newsletter pertaining to Mathematics and science online.
- Flash demos on statistical theme. Toward a visual understanding of variance using animations and iconic communication. [http://distance-ed.math.tamu.edu/techtools/flash/flash\\_examples/more\\_still/flash-demo/index.htm](http://distance-ed.math.tamu.edu/techtools/flash/flash_examples/more_still/flash-demo/index.htm)
- Talks - assorted talks on technology and e-Learning themes
  - [Old Technology, New Technology, Emerging Technology. What works and Why](#), Keynote address presented to HCC Title V Faculty Leadership Program - Math Workshop, October 20, 2006.
  - [e-Learning in 2020](#), presented to the Information Technology Working Group (ITWG) seminar, September 12, 2006.
  - [e-Learning in 2016](#), presented at the [Math Education in 2016 conference](#), Helsinki, August 8-10, 2006.
  - [ICTCM](#), (International Conference on Technology in Collegiate Mathematics) -Teaching higher mathematics courses online, Orlando, FL, March 16-20, 2006.
  - [Fractions](#), TAMU/TEA (Texas Education Agency)/PEIC (P-16 Educational Improvement Consortium), March 4, 2006.
  - [Pre-conference workshop Visual Algebra and Pre-calculus](#), (Six hour workshop), [TexMATYC/TCCTA](#) Conference. (Invited) Houston, TX February 23-25, 2006.
  - Using and Validating a Triadic Instrument to Survey Middle School Children, 2006 Annual Meeting of the [Southwest Educational Research Association](#) (SERA), Austin, February 8-10, 2006.
  - TAMU/Pasadena ISD, [Fractions, Measurement and Proportion for professional development](#), Pasadena, TX, October 29, 2005.
  - [Teacher Quality Grants: High Schools, Community Colleges & Universities, a perspective](#). Seamless Transitions Annual Conference, with Sharon Sledge, March 30, 2005 .
  - [Twarted Innovations](#) - the problems of distance education, presented to the Information Technology Working Group (ITWG), February 15, 2005
  - ["Test Item Dependencies"](#), Bowling Green State University, December 2, 2005.
  - [RGVCTM](#) (Rio Grande Valley Council on Teaching Mathematics), *MathStar materials and the TQA pre-calculus course-in-a-box* , McAllen, TX, November 19, 2005 (with Amanda Ross).
  - "Using TQA Grants with Community Colleges", Charles A. Dana Center's Annual Mathematics and Science Higher Education Conference, Lakeway Inn and Resort, Austin, TX, November 17-19, 2005.
  - [The High-School - College Disconnect](#), *The Coastal Bend Mathematics Collaborative*, Corpus Christi, TX, November 14, 2005.

- TAMU/TEXMatyc (Texas Math Association of Two Year College), Maple for the Classroom, October 28, 2005.
- An In-Depth Study of Educator Perceptions of Mathematics/Science Teacher Preparation by Means of a Triadic Instrument and Interviews, presented at the Association for Teaching and Curriculum ([AATC](#)), (with Dianne Goldsby and Larry Kelly), Austin, TX, October 6-8, 2005.
- TAMU/Snook ISD, Using the TI-Navigator equipment, Snook, TX, October 15, 2005.
- TAMU/TEA (Texas Education Agency)/PEIC (P-16 Educational Improvement Consortium), [Fractions, Measurement and Scaling for professional development](#), October 8, 2005.
- University of Idaho, Gateway Mathematics Group, Using Scientific Notebook and Camtasia, Moscow, ID, June 13-17, 2005.
- [Maple - in the Classroom](#), an online workshop given to Texmatyc instructors, April 9, 2004.
- Precalculus Completely TEKS Aligned, [CAMT](#) (Conference for the Advancement of Mathematics Teaching), Adams Mark Hotel, July 11-13, 2005. (with P. Poage)
- [Twarted Innovations](#) - the problems of distance education, ITWG, February 15, 2005
- [A brief outline of early calculating technologies](#). December 10, 2004
- [Teacher Quality Type A - pre-caculus](#), Dana Center Preservice Conference, Oct 28, 2004.
- [Maple - in the Classroom](#), an online workshop given to Texmatyc instructors, April 9, 2004.
- Precalculus Completely TEKS Aligned, [CAMT](#) (Conference for the Advancement of Mathematics Teaching), Adams Mark Hotel, July 11-13, 2005. (with P. Poage)
- [Technology Retreat](#) - Department of Mathematics, Texas A&M University, April 22, 2005
- [Teacher Quality Grants: High Schools, Community Colleges & Universities, a perspective](#). Seamless Transitions Annual Conference, March 30, 2005 .
- [Twarted Innovations](#) - the problems of distance education, ITWG, February 15, 2005
- [A brief outline of early calculating technologies](#). December 10, 2004
- [Teacher Quality Type A - pre-caculus](#), Dana Center Preservice Conference, Oct 28, 2004.
- [A crash course in assessment](#), ICTCM, Oct 27, 2004
- [TxDLA presentation 8/18/03](#)
- [Flash Workshop](#) - July 2003
- [CAMT-2003 presentation](#) - Math goes to Hollywood
- [Visual algebra](#) - toward enhanced visual cognition of algebra concepts
- [Resources for Ordinary Differential Equations](#)
- [Demos for physics](#), more demos
- [Maple tutorial](#) - a short and basic tutorial on Maple