

## Dale Buske

### School Address

Department of Mathematics and Statistics  
Saint Cloud State University  
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### Permanent Address

1205 5th St. N.  
Sartell, MN 56377

## EDUCATION

*Doctor of Philosophy, Mathematics*

Iowa State University, Ames, Iowa

August 1997

THESIS - Hilbert modules over the semicrossed product of the disk algebra

GPA 3.91

*Bachelor of Mathematics, Mathematics*

University of Minnesota (Institute of Technology), Minneapolis, Minnesota

June 1991

Graduated with distinction

## PROFESSIONAL EXPERIENCE

*Interim Associate Dean, College of Science and Engineering*

October 2016 – January 2020

*Director, School of Computing, Engineering, and Environment*

Saint Cloud State University, St. Cloud, MN

- Immediate supervisor for faculty in five departments (Computer Science and Information Technology, Atmospheric and Hydrologic Sciences, Mechanical and Manufacturing Engineering, Electrical and Computer Engineering, Environmental and Technological Studies). Hiring manager for all faculty and staff searches in School.
- Responsibility for approximately \$7 million budget as School Director; co-managed with College Dean roughly \$20 million budget for entire college.
- Managed all student complaints and appeals in college. Oversight of course scheduling, safety, and many other day-to-day operations within College.

*Chairperson, Department of Mathematics and Statistics*

September 2007 - August 2014

Saint Cloud State University, St. Cloud, MN

- Responsibility for scheduling of roughly 100 course offerings each semester in a department of roughly 25 faculty.
- Successfully completed merger of separate Mathematics and Statistics departments in 2011.
- Supervised two staff members.
- Managed significant number of student issues including math placement, informal and formal complaints, and advising and transfer inquiries.

## TEACHING EXPERIENCE

*Professor, Mathematics*

July 2006 – present

Saint Cloud State University, St. Cloud, MN

*Associate Professor, Mathematics*

July 2002 – July 2006

Saint Cloud State University, St. Cloud, MN

*Assistant Professor, Mathematics*  
Saint Cloud State University, St. Cloud, MN

September 1997 – July 2002

*Teaching Assistant*

August 1991 – May 1997

Iowa State University, Ames, Iowa

- Stand-alone instructor August 1992-May 1997 in courses ranging from Calculus I to Differential Equations and Multivariable Calculus.
- Teaching Assistant Orientation Counselor, August 1994.

*Undergraduate Teaching Assistant*

September 1989 – June 1991

University of Minnesota (Institute of Technology), Minneapolis, Minnesota

Courses taught: Mathematical Thinking, Finite Mathematics, College Algebra, Trigonometry, Precalculus, Fundamentals of Mathematics (Discrete Mathematics for Teachers), Survey of Calculus, Calculus I, Calculus II, Atmospheric Kinematics, Multivariable and Vector Calculus, Differential Equations, Differential Equations with Linear Algebra, Linear Algebra, Linear Algebra and Multivariable Calculus for Engineers, Differential Equations with Linear Algebra, Mathematical Problem Solving using MATLAB, Complex Variables, Modern Algebra, Partial Differential Equations, Advanced Engineering Mathematics (graduate).

## ARTICLES

1. Dale R. Buske and Justin R. Peters, Semicrossed Products of the Disk Algebra: Contractive Representations and Maximal Ideals, *Pacific Journal of Mathematics*, Vol. 185, No. 1, 1998.
2. Dale R. Buske, Hilbert modules over a class of semicrossed products, *Proceedings of the American Mathematical Society*, 129 (2001) 1721-1726.
3. Dale R. Buske, The height of a trapezoid, *The College Mathematics Journal*, Vol. 30, No. 3, May 1999, p. 210.
4. Dale R. Buske and Sandra Z. Keith, The Great Internet Mersenne Prime Search, *Math Horizons*, Vol. 7, Number 4, April 2000.
5. Dale R. Buske, Integrating around a closed contour, *The College Mathematics Journal*, FFF #185, Vol. 33, No. 1, January 2002, p. 39.
6. Dale R. Buske, The volume of a cone, *The College Mathematics Journal*, FFF #236, March 2005, p. 142.
7. Dale R. Buske, Funky Yahtzee, *The College Mathematics Journal*, FFF, January 2006.
8. Dale R. Buske, A classical logical error, *The College Mathematics Journal*, FFF #280, May 2008, Vol. 39 Issue 3, p229.

## BOOKS

1. Dale Buske, *Decision Making in Finite Mathematics*, Prentice Hall, ISBN 0-13-042883-3, 2001.
2. Dale R. Buske, *Excursions in Modern Spreadsheets: A Companion to Excursions in Modern Mathematics*, Prentice Hall, 2000.
3. Dale Buske, *Student Solutions Manual - Excursions in Modern Mathematics*, 5ed., Prentice Hall, 0-13-177485-9, 2004.
4. Dale Buske, *Instructor's Solutions Manual - Excursions in Modern Mathematics*, 5ed., Prentice Hall, 0-13-100557-X, 2004.
5. Dale Buske, *Test Item File - Excursions in Modern Mathematics*, 5ed, Prentice Hall, ISBN 0-13-100559-6, 2004.
6. Dale R. Buske, *Excel Manual to accompany Finite Mathematics for Business, Economics, and Life and Social Sciences*, 11ed., Pearson, 2007.
7. Dale Buske, *Student Resource Manual - Excursions in Modern Mathematics*, 6ed., Prentice Hall, ISBN: 0131873822, 2007.

8. Dale Buske, Instructor's Resource Manual - Excursions in Modern Mathematics, 6ed., Prentice Hall, ISBN: 0131873814, 2007.
9. Dale Buske, Test Item File - Excursions in Modern Mathematics, 6ed, Prentice Hall, ISBN: 0131873806, 2007.
10. Dale Buske, Student Resource Guide - Excursions in Modern Mathematics, 7ed., Addison Wesley, ISBN: 978-0-321-57519-7, 2010.
11. Dale Buske, Instructor's Solutions Manual - Excursions in Modern Mathematics, 7ed., Addison Wesley, ISBN: 978-0-321-57516-6, 2010.
12. Dale R. Buske and Karla Neal, Graphing Calculator and Excel Spreadsheet Manual to accompany Finite Mathematics for Business, Economics, and Life and Social Sciences, 12ed., Pearson, 2011.
13. Dale Buske, Student Resource Guide - Excursions in Modern Mathematics, 8ed., Pearson Education, ISBN: 978-0-321-83721-9, 2014.
14. Dale Buske, Instructor's Guide - Excursions in Modern Mathematics, 8ed., Pearson Education, ISBN: 978-0-321-78221-2, 2014.
15. Dale Buske, Student Solutions Manual for Excursions in Modern Mathematics, 9ed., Pearson Education, ISBN: 978-0-134-46913-3, 2018.
16. Dale Buske, Instructor's Solutions Manual for Excursions in Modern Mathematics, 9ed., Pearson Education, ISBN: 978-0-134-46903-4, 2018.
17. Dale Buske, Student Solutions Manual for Excursions in Modern Mathematics, 10ed., Pearson Education, 2022.
18. Dale Buske, Instructor's Solutions Manual for Excursions in Modern Mathematics, 10ed., Pearson Education, ISBN: 978-0-136-96937-2, 2022.
19. Dale Buske, Mathematics of Atmospheric Kinematics, Open Educational Resource, <https://web.stcloudstate.edu/drbuske/kinematics/atmospherickinematics.html>, May 2023.

## VIDEOS AND ELECTRONIC RESOURCES

1. Designed MathXL materials for Finite Mathematics by Barnett, Ziegler, and Byleen.
2. Videos on DVD (and MathXL) for Tannenbaum's Excursions in Modern Mathematics, 7ed., Pearson, ISBN: 978-0-321-57522-7, 2010.
3. Videos included in MyMathLab for Tannenbaum's Excursions in Modern Mathematics, 8ed., Pearson, 2014.
4. Videos included in MyMathLab/MathXL for Tannenbaum's Excursions in Modern Mathematics, 9ed., Pearson, part of ISBN: 978-0-134-46912-6, 2018.
5. *Sculpted, Active Calculus*, <https://web.stcloudstate.edu/drbuske/sacalc/frontmatter.html>, June 2022
6. Template course for *Active Calculus* (Boelkins) in MyOpenMath, Course ID 164083, December 2022.
7. Hundreds of *MyOpenMath* questions written and modified in OER platform, 2020-2022.

## PRESENTATIONS

1. Von Neumann's Inequality, Iowa State University, Ames, IA, April 1996.
2. Conformal Automorphisms of the Disk, University of Minnesota at Morris, Morris, MN, December 6, 1996.
3. The Maximal Ideal Space of the Semicrossed Product of the Disk Algebra, Joint Mathematics Meetings of the AMS and MAA, San Diego, CA, January 11, 1997.
4. Hilbert modules over a class of semicrossed products, Iowa-Nebraska Functional Analysis Seminar, Drake University, Des Moines, IA, April 26, 1997.
5. Ideas for Introductory Calculus, St. Cloud State University, St. Cloud, MN, October 30, 1997.
6. Reasoning with Infinity, St. Cloud State University, St. Cloud, MN, March 28, 1998.
7. Excel in the Classroom, Iowa State University, Ames, IA, April 24, 1998.
8. Electing a Governor of Minnesota, MCTM, Arlington High School, St. Paul, MN, October 16, 1998.
9. An Invariant Subspace Problem, St. Cloud State University, St. Cloud, MN, February 23, 1999.

10. Mathematical Thinking at SCSU, MAA section meeting, Carleton College, Northfield, MN, April 17, 1999.
11. Gnomons, Whorls, and the Silver Pentagon, St. Cloud State University, St. Cloud, MN, November 17, 1999.
12. Gnomons, Whorls, and the Silver Pentagon, University of Minnesota - Duluth, Duluth, MN, "December 2, 1999.
13. Using Excel in Finite Mathematics, St. Cloud State University, St. Cloud, MN, September 26, 2001.
14. Gnomonic Pythagorean Triples, MAA section meeting, St. Cloud State University, St. Cloud, MN, April 26, 2002.
15. Change the Constitution? Ya, You Bet'cha, St. Cloud State University, St. Cloud, MN, October 1, 2003.
16. Change the Constitution? Ya, You Bet'cha, MAA section meeting, Winona State University, Winona, MN, April 24, 2004.
17. Grading 1.5 Million Calculus Questions: A Lesson in Assessment, St. Cloud State University, St. Cloud, MN, September 21, 2005.
18. Using NASCAR to illustrate optimization, Joint Mathematics Meetings of the AMS and MAA, San Antonio, TX, January 13, 2006.
19. Lingo - It's Not Just Words, MAA section meeting, University of Minnesota at Morris, Morris, MN, October 21, 2006.
20. Change the Constitution? Ya, You Bet'cha, Concordia University, St. Paul, MN, November 21, 2006.
21. Lingo - It's Not Just Words, St. Cloud State University, St. Cloud, MN, February 28, 2007.
22. Lingo - It's Not Just Words, MAA section meeting, University of Wisconsin Eau Claire, Eau Claire, WI, April 20, 2007.
23. Lingo - It's Not Just Words, Madison Area Technical College, Madison, WI, April 18, 2008.
24. (Invited Panelist) Joining the Mathematics Profession, Project NExT, Madison, WI, July 28-30, 2008.
25. On the Vector Triple Product, MAA section meeting, University of Wisconsin Oshkosh, Oshkosh, WI, April 17, 2010.
26. On the Vector Triple Product, MAA section meeting, University of St. Thomas, St. Paul, MN, April 24, 2010.
27. Visualizing the Vector Triple Product: Proof Without Words, St. Cloud State University, St. Cloud, MN, September 10, 2010.
28. Visualizing the Vector Triple Product: Proof Without Words, St. John's University, Collegeville, MN, September 15, 2010.
29. (Workshop Presented) Teaching liberal arts mathematics courses, Project NExT, Madison, WI, August 2012.
30. Two Paths to Multivariable Calculus, St. Cloud State University, St. Cloud, MN, February 13, 2013.
31. Two Paths to Multivariable Calculus: Part II, St. Cloud State University, St. Cloud, MN, March 6, 2013.
32. Two Paths to Multivariable Calculus, College of St. Benedicts, St. Joseph, MN, March 7, 2013.
33. (Workshop Presented) Teaching liberal arts mathematics courses, Project NExT, Hartford, CT, August 1-2, 2013.
34. Conformal Bijections, St. Cloud State University, St. Cloud, MN, December 11, 2013.
35. Simple, yet Complex, Iteration (Ed Nelson lecture), University of North Dakota, Grand Forks, ND, October 30, 2014.
36. On Raising Calculus to the Surface, St. Cloud State University, St. Cloud, MN, January 21, 2015.
37. Exploring Multivariable Calculus Concepts in Context Through Physical Surfaces, MathFest, Washington D.C., August 7, 2015.
38. (Workshop presented) The Gateway Course Initiative: A College-Wide Faculty-Driven Initiative to Improve Retention (w/ Hanzsek-Brill, Petzold), AAC&U Transforming STEM Higher Education: Confirming the Authority of Evidence Conference, Atlanta, GA, November 9, 2018.
39. Opening Doors via MyOpenMath, MAA section meeting, Online (COVID-19), March 27, 2021.
40. Pretext: Creating Beautiful Web Documents, Online, Minnesota State OER Learning Circle, November 22, 2022.

41. Undoing Ungrading, Lightning talk, MAA section meeting, Winona State University, Winona, MN, March 25, 2023.
42. Active Calculus Module in MyOpenMath, Minnesota State OER Project Showcase, Online, March 31, 2023.
43. Mathematics of Atmospheric Kinematics, Minnesota State OER Project Showcase, Online, March 31, 2023.
44. Atmospheric Kinematics, MAA section meeting, University of Minnesota - Duluth, Duluth, MN, September 23, 2023.
45. Oral STEM exams, St. Cloud State University CETL, online, October 12, 2023.

### **CONSULTING**

1. Sowmatic, Robert Aanestad, Isle, MN, November 2012.
2. Grede Foundries (focus on dry mixing w/ M. Hanzsek-Brill), St. Cloud, MN, 2015-16.
3. Nahan Printing (focus on measurement w/ M. Hanzsek-Brill), St. Cloud, MN, 2019.

### **GRANTS**

1. SCSU short term grant for "Project NExT", 1998.
2. SCSU short term grant for "Project NExT", 1999.
3. SCSU short term grant for "Project NExT WI", 2000.
4. SCSU assessment grant (assessing Core 3 at SCSU), 2005.
5. SCSU short term grant for "MAA Prep Workshop - Leading the Academic Department: A Workshop for Chairs of Mathematical Sciences Departments", 2007.
6. SCSU assessment grants (w/ S. Haller, w/ B. Naraine, and w/ S. Johnson) for "Using Undergraduate Learning Assistants in Math 193", 2010.
7. Minnesota State, OER Learning Circle, MyOpenMath module for Active Calculus, Fall 2022.
8. Minnesota State, OER Learning Circle, Atmospheric Kinematics OER, Spring 2023.
9. Minnesota State, OER Learning Circle, Multivariable Calculus Redesign, Summer 2023.

### **CONFERENCE AND MEETING ATTENDANCE**

1. AMS sectional meeting, Iowa City, IA, March 22-23, 1996.
2. Joint Mathematics Meetings of the AMS and MAA, San Diego, CA, January 8-11, 1997.
3. Iowa-Nebraska Functional Analysis Seminar, Drake University, Des Moines, IA, April 26, 1997.
4. Iowa-Nebraska Functional Analysis Seminar, Des Moines, IA, October 11, 1997.
5. MAA sectional meeting, Brookings, SD, October 24-25, 1997.
6. Iowa-Nebraska Functional Analysis Seminar, Des Moines, IA, April 25, 1998.
7. MathFest, Toronto, Canada, July 16-18, 1998.
8. MCTM Fall Conference, St. Paul, MN, October 16, 1998.
9. Iowa-Nebraska Functional Analysis Seminar, Des Moines, IA, October 17, 1998.
10. Joint Mathematics Meetings of the AMS and MAA, San Antonio, TX, January 13-16, 1999.
11. PME meeting, St. Joseph, MN, April 9-10, 1999.
12. MAA sectional meeting, Northfield, MN, April 16-17, 1999.
13. Mathematics on the Northern Plains, Vermillion, SD, April 24, 1999.
14. Great Plains Operator Theory Symposium, Ames, IA, May 26-30, 1999.
15. MathFest, Providence, RI, July 31-August 2, 1999.
16. MAA sectional meeting, Morris, MN, October 24-25, 1999.
17. Joint meeting of the MCTM/MAA North Central Section, Duluth, MN, March 31-April 1, 2000.
18. PME meeting, St. Joseph, MN, April 7-8, 2000.

19. Mathematics on the Northern Plains, Brookings, SD, April 15, 2000.
20. MathFest, Madison, WI, August 1-4, 2001.
21. MAA sectional meeting, University of North Dakota, Grand Forks, ND, October 26-27, 2001.
22. Northern Minnesota Mathematics and Computer Science Articulation Conference, Bemidji, Minnesota, February 21, 2002.
23. MAA sectional meeting, St. Cloud, MN, April 25-26, 2002.
24. MAA sectional meeting, Moorhead, MN, October 25-26, 2002.
25. PME meeting, St. Joseph, MN, April 4-5, 2003.
26. MAA sectional meeting, Macalester College, St. Paul, MN, April 25-26, 2003.
27. Joint Mathematics Meetings of the AMS and MAA, Phoenix, AZ, January 6-9, 2004.
28. PME meeting, St. Joseph, MN, April 2-3, 2004.
29. MAA sectional meeting, Winona, MN, April 23-24, 2004.
30. MAA sectional meeting, Fargo, ND, October 29-30, 2004.
31. MAA sectional meeting, St. Olaf College, Northfield, MN, April 22-23, 2005.
32. 8th Annual Legacy of R. L. Moore Conference, Austin, TX, April 29-May 1, 2005.
33. MAA sectional meeting, Brookings, SD, October 14-15, 2005.
34. Joint Mathematics Meetings of the AMS and MAA, San Antonio, TX, January 11-15, 2006.
35. Midwest Calculus Symposium, Chicago, IL, March 10, 2006.
36. PME meeting, St. Joseph, MN, April 7, 2006.
37. MAA sectional meeting, Mankato, MN, April 21-22, 2006.
38. MAA sectional meeting, Morris, MN, October 20-21, 2006.
39. 24th Annual Academic Chairpersons Conference (KSU), Orlando, FL, February 7-9, 2007.
40. NCAT Redesign Alliance Conference, Orlando, FL, March 18-20, 2007.
41. Redesigning Developmental Mathematics Conference: Standards of Responsible Practice (The Charles A. Dana Center, The University of Texas at Austin), Austin, TX, July 16-17, 2007.
42. Joint Mathematics Meetings of the AMS and MAA, San Diego, CA, January 5-9, 2008.
43. MAA WI sectional meeting, University of WI Eau Claire, Eau Claire, WI, April 20-21, 2008.
44. MAA sectional meeting, College of St. Benedict, St. Joseph, MN, April 25-26, 2008.
45. MathFest, Madison, WI, July 31-August 2, 2008.
46. PME meeting, St. Joseph, MN, April 17-18, 2009.
47. MAA sectional meeting, Hamline University, St. Paul, MN, April 24-25, 2009.
48. MAA sectional meeting, University of Wisconsin - Oshkosh, Oshkosh, WI, April 16-17, 2010.
49. MAA sectional meeting, University of St. Thomas, St. Paul, MN, April 23-24, 2010.
50. Northern Minnesota Mathematics and Computer Science Articulation Conference, Bemidji, Minnesota, February 17, 2011.
51. PME meeting, St. Joseph, MN, April 8-9, 2011.
52. MAA sectional meeting, Carlton College, Northfield, MN, April 16, 2011.
53. MAA sectional meeting, MSU-Moorhead, Moorhead, MN, October 28-29, 2011.
54. MathFest, Madison, WI, August 2012.
55. Joint Mathematics Meetings of the AMS and MAA, Boston, MA, January 2012.
56. Northern Minnesota Mathematics and Computer Science Articulation Conference, Bemidji, Minnesota, February 2012.
57. PME meeting, St. Joseph, MN, April 13-14, 2012.
58. MAA sectional meeting, Concordia University, St. Paul, MN, April 20-21, 2012.
59. MAA sectional meeting, University of Minnesota Duluth, Duluth, MN, October 19-20, 2012.
60. Northern Minnesota Mathematics and Computer Science Articulation Conference, Bemidji, Minnesota, February 28, 2013.
61. PME meeting, St. Joseph, MN, April 13-14, 2013.
62. MAA sectional meeting, Gustavus Adolphus College, St. Peter, MN, April 26-27, 2013.
63. MathFest, Hartford, CT, July 31 - August 3, 2013.
64. MAA sectional meeting, Brookings, SD, October 18-19, 2013.
65. MAA sectional meeting, St. Cloud, MN, April 25-26, 2014.
66. PME meeting, St. Joseph, MN, April 10-11, 2015.
67. MAA sectional meeting, Winona, MN, April 23-24, 2015.

68. MathFest, Washington D.C., August 5-8, 2015.
69. PME meeting, St. Joseph, MN, April 8-9, 2016.
70. PME meeting, St. Joseph, MN, April 7-8, 2017.
71. Joint Mathematics Meetings of the AMS and MAA, San Diego, CA, January 11-13, 2018.
72. PME meeting, St. Joseph, MN, April 13, 2018.
73. Spring Academic and Student Affairs Equity and Inclusion Conference, Minnesota State, St. Cloud, MN, June 7-8, 2018.
74. MAA sectional meeting, Marshall, MN, October 12-13, 2018.
75. Minnesota State Leadership Conference, Breezy Point, MN, October 25-26, 2018.
76. AAC&U Transforming STEM Higher Education: Confirming the Authority of Evidence Conference, Atlanta, GA, November 8-10, 2018.
77. Data Tech 2019, Normandale Community College, Bloomington, MN, May 30, 2019.
78. Spring Academic and Student Affairs Equity and Inclusion Conference, Minnesota State, St. Cloud, MN, June 6-7, 2019.
79. ABET July Commission Meetings, Baltimore, MD, July 17-19, 2019.
80. AAC&U annual meeting, Washington D.C., January 22-25, 2020.
81. MAA sectional meeting, Online (COVID-19) March 26-27, 2021.
82. 2021 International LA Conference (ILAC), Online (COVID-19) October 23, 2021.
83. PME meeting, Online (COVID-19), April 8-9, 2022.
84. MAA sectional meeting, Winona, MN, March 24-25, 2023.
85. PME meeting, St. Joseph, MN, April 14-15, 2023.
86. MAA sectional meeting, Duluth, MN, September 22-23, 2023.
87. PME meeting, St. Joseph, MN, April 12-13, 2024.

## **WORKSHOP PARTICIPATION**

1. Project NExT, Toronto, Canada, July 13-17, 1998.
2. Project NExT, San Antonio, TX, January 12-16, 1999.
3. Project NExT, Providence, RI, July 29-August 1, 1999.
4. WI-NExT History of Mathematics Workshop, Menomonie, WI, September 14-16, 2000.
5. WI-NExT Undergraduate Research in Mathematics Workshop, Menomonie, WI, September 27-29, 2001.
6. MAA PREP workshop, Online Interactive Mathematics, online, July 16-19, 2002.
7. MAA North Central Section Summer Seminar, A Tour of Combinatorial Games, Gustavus Adolphus College in St. Peter, Minnesota, August 4-8, 2003.
8. MAA PREP workshop, Wavelets and Applications: A Multi-Disciplinary Undergraduate Course with an Emphasis on Scientific Computing, University of St. Thomas, St. Paul, MN, June 6-9, 2007.
9. Quality Matters: Applying the QM Rubric Workshop, online (Maryland online), June 23-July 8, 2009.
10. Raising Calculus to the Surface, Winona State University, Winona, MN, July 23-24, 2014.
11. National Alliance for Partnerships in Equity, Hennepin Technical College, Eden Prairie, MN, June 19, 2017.
12. STEM Course Transformation for Equity and Inclusion, Minnesota State, 2019-2020.
13. AHS 260, Introduction to Meteorology (4cr), full participant, Fall 2022.
14. AHS 280, Weather Analysis, Spring 2023.
15. 2023 Raising Calculus to the Surface and Vector Calculus Bridge Project Workshop, Irvine, CA, June 25-29, 2023.

## SERVICE

- **National:** AP Calculus Grader, Colorado State University, June 2006; External Reviewer, Augsburg College, 2015.
- **Regional:** MAA North Central Section Treasurer, 2011-2014; MAA North Central Section President, 2005-2006; MAA North Central Section Newsletter Editor/Webmaster, 2000-2003; MnSCU/IFO Salary Competitiveness Task Force, 2004-2005; Mentor to four Project NExT faculty members; Local host for regional MAA meeting at SCSU, 2014; Minnesota State Engineering Transfer Pathway member (representing administration), 2016-17; Judge at MUDAC, 2018, 2020; MathMasters of MN co-editor, 2019-2023.
- **Saint Cloud State University:** Mathematics Search Committees, 1999, 2000, 2006; Mathematics Education Search Committee, 2002; Nursing Probationary and Fixed-Term Search Committee, 2011; Statistics Search Committee, 2015; Math Skills Center Search Committee, 2019; Mathematics Faculty Evaluation Committee, 2003-04, 2015-16, 2021-24; Faculty Association Senator, 1997-01, 2002-04, 2007-15; Faculty Association Treasurer, 2003-04; Faculty Association Executive Committee, 2011-12; Provost Search Committee, 2002; Vice-President for Administrative Affairs Search Committee, 2005; Committee on the Institution, 2011-12; CoSE Dean Search Committee, 2014; CoSE Student Relations Director Search Committee (chair), 2014, 2021; Advisor - Advising and Registration Days, 2014; Foundations of Excellence Task Force (Philosophy subcommittee co-chair), 2008-09; Organizer of Math Colloquium series, 1998-2006; Math Contest Coordinator 2011-2013; Math Tutor Coordinator, 2020-2024; MathCOUNTS university liaison with MSPE 2009-2024; Karate Club Advisor, SCSU, 1998-2003; Hat Club Advisor, SCSU, 2022-2024.
- **Iowa State University:** Graduate Student Senator, ISU, March 1993 - May 1996; Mathematics Graduate Student Council President, ISU, 1994 - 1997.

## HONORS

- Minnesota State Board of Trustees Outstanding Educator award, 2023-24.
- Sabbatical Leave, 2006-2007, Spring 2020
- Project NExT Fellow, Silver Dot, 1998-99
- Teaching Excellence Award, Iowa State University Mathematics, 1994
- J.J.L. Hinrichsen Pure Mathematics Award, Iowa State University, 1996
- Academic Dean's List
- Presidential Scholar, 1987-88
- Freshman Academic Scholar, 1987-88

## MEMBERSHIPS

- Mathematical Association of America

## COMPUTER SKILLS

Scripting: LaTeX, PreText, iMathAS, and HTML

Programming Languages and OS: C, FORTRAN, Pascal, UNIX

Software Packages: Maple, Mathematica, Matlab, Geogebra, Geometer's Sketchpad, Blender, Unity, Visual Basic and Excel



### ADDITIONAL WORK EXPERIENCE

- *Research Assistantship* May-June 1994, May-June 1995, May-June 1996, May-June 1997  
Iowa State University, Ames, Iowa
- *Multifunctional Employee* June-August 1991  
Zytec Corporation, Redwood Falls, Minnesota  
Assisted in quality control of auto-insert division of a power supply manufacturer