Hari Pulapaka

PHONE 386.717.0973 | EMAIL: hpulapak@stetson.edu | WEB: www.stetson.edu/~hpulapak

EDUCATION

- **Associate of Applied Science**, **Culinary Arts**, 2005
  Diplôme Le Cordon Bleu, *summa cum laude*
  Orlando Culinary Academy, Orlando, FL

- **Doctor of Philosophy**, 1995
  University of Florida, Gainesville, FL.
  Discipline: Mathematics
  Area: Topological Graph Theory
  Title: Nonrevisiting Paths & Cycles in Polyhedral Maps

- **Master of Science**, 1989
  George Mason University, Fairfax, VA.
  Discipline: Mathematical Sciences
  Area: Random Graph Theory
  Title: The Evolution of the Neighbourhoods of a Random Graph

- **Bachelor of Science**, 1986
  University of Bombay, India (Saint Xavier's College)
  Discipline: Mathematics

EXPERIENCE

Academic Employment

- *Assistant Professor*, 2000-present (Tenured)
  Stetson University, DeLand, FL
  Department of Mathematics and Computer Science

- *Visiting Assistant Professor*, Spring 2000
  Georgia Institute of Technology, Atlanta, GA
  School of Mathematics

- *Assistant Professor*, 1997-2000
  Valdosta State University, Valdosta, GA
  Department of Mathematics and Computer Science

- *Instructor of Mathematics*, 1996-97
  Bethune-Cookman College, Daytona Beach, FL
  Division of General Studies

- *Full-time Temporary Instructor*, 1995-96
  Valdosta State University, Valdosta, GA
  Department of Mathematics and Computer Science

- *Graduate Teaching Assistant*, 1989-95
  University of Florida, Gainesville, FL
  Department of Mathematics

- *Graduate Teaching Assistant*, 1988-89
  George Mason University, Fairfax, VA
  Department of Mathematical Sciences

Other Employment

- *Guest Executive Chef*, Le Jardin Café, Nov 2006-Feb 2007
  DeLand, FL 32720

- *Rounds Line Cook*, Summit Restaurant, Summer 2006
  Princess Wilderness Lodge, Denali, AK

- *Culinary Intern*, May 2005-August 2005
  Canoe Bar and Restaurant, Toronto, Canada

- *Administrative Assistant*, 1987-88
  Virginia Polytechnic Institute and State University, Blacksburg, VA
  Carol E. Newman Library

RESEARCH INTERESTS

- All areas of Discrete and Combinatorial Mathematics (especially Graph Theory)

- Number Theory

- Problem Solving Across the Disciplines

PUBLICATIONS

Accepted/Published/Revised (Refereed Journals)

- An Efficient Algorithm For Chemical Fingerprinting,(with D. Gibson), *Journal of Mathematical Chemistry*, to appear, 2007

- On Generalized Alternating Galileo Sequences, *Missouri Journal of Mathematics,* to appear, 2007

- A Fast Algorithm and Software For Analysis of FT-ICR Data, (with D. Gibson), submitted to the *Journal of Computational Chemistry*, July 2007, *under revision*

- Nonrevisiting Cycles on Surfaces, *Discrete Mathematics*, **207** (1-3), 219-231, 1999

- An Algorithm for Log Rotation in Sawmills, (with D. Gibson), *Wood and Fiber Science*, **31** (2), 192-199, 1999

- Nonrevisiting Paths on Surfaces with Low Genus, (with A. Vince), *Discrete Mathematics*, **182** (1-3), 267-277, 1998

- Nonrevisiting Paths on Surfaces, (with A. Vince), *Discrete and Computational Geometry*, **15**, 353-357, 1996

Under Review/In Preparation (Refereed Journals)

- The Kaprekar Routine and Other Digit Games For Undergraduate Exploration, (with K. Peterson), submitted, *Journal of Mathematics and Science: Collaborative Explorations*

- Runtime Simulation of Mass Spectrometry Data Analysis Software, (with D. Gibson), *in preparation*

- Separating Cycles in Polyhedral Maps, *in preparation*

Other Manuscripts

- Nonrevisiting Paths and Cycles in Polyhedral Maps, *Ph.D. Dissertation*, University of Florida, 1995

- The Evolution of the Neighborhoods of a Random Graph, *M.S. Thesis*, George Mason University, 1989

SOFTWARE

- *PG Compound Match Finder* (with D. Gibson): A Fast Windows-Based Software For Analysis of Mass Spectrometry Data.

GRANTS

- 2004-2008 NSF-CSEMS Grant, "Mathematics and Computing Scholarships Initiative", Stetson University, Total amount: $206,244
- 2002-2003 T3 Mini-Grant, "A Centralized Warehouse for Technology Resources at Stetson University" (http://galatea.stetson.edu/t3grant), Stetson University, Total amount: $2000
- 2001-2002 Hand Course Development Grant in collaboration with Servio F. Medina, developed the course "MS159–Introduction to Cryptology", Stetson University, Total amount: $2000
- 1999-2000 University System of Georgia, Faculty Development Program at Georgia Tech, Total amount of compensation and award: $17,225
- 1999-2000 University System of Georgia Teaching & Learning Grant to develop an online model for Precalculus, in collaboration with D. T. Reid. Total amount: $20,000
- Faculty Development Grant to present the paper "An Online Model for Precalculus" at the 2000 Joint Mathematics Meetings of the AMS-MAA, Washington DC from the Center for Faculty Development and Instructional Improvement, Valdosta State University. Total amount: $500
- Society of Wood Science and Technology, page grant to publish the article "An Algorithm for Log Rotation in Sawmills" (with D. Gibson) in the journal *Wood and Fiber Science*. Total amount: $640

PRESENTATIONS

- *A Fast Algorithm and Software For Mass Spectrometry Analysis*, PITTCON 2008, New Orleans, LA, Mar 3-7, 2008
- *On Generalized Alternating Galileo Sequences*, Joint Mathematics Meetings, San Diego, CA, Jan 6-9, 2008
- *An Efficient Algorithm For Chemical Fingerprinting Using FT-ICR Data*, 31st SIAM Southeastern-Atlantic Section Meeting, Memphis, TN, May 5, 2007
- *Kaprekar-Type Routines*, Annual Meeting of the Southeastern Section of the MAA, Clemson University, Clemson, SC, March 20, 2003
- *Undergraduate Research in Mathematics and Computer Science at Stetson University*, Special Session on Undergraduate Research at the March Meeting of Project NExT–SE, Clemson University, Clemson, SC, March 19, 2003
- *Cybercrime, Identity Theft, and Software Standards*, an invited presentation to the Alpha Chi Omega Sorority, Stetson University, Feb 11, 2003
- *What Is Special About the Kaprekar Routine?*, Mathematics and Computer Science Colloquium Series, Stetson University, September 18, 2002
- *The d-Step Conjecture and Its Relatives*, Mathematics and Computer Science Colloquium Series, Stetson University, April 17, 2002
- *The Man Who Knew Infinity: A Life of the Genius Ramanujan*, Discovering Ideas Book Series, Stetson University, April 7, 2002
- *A Class of Polyhedral Maps With the Nonrevisiting Cycle Property*, 2002 Joint Meeting of the

Southeastern Sections of the AMS and MAA, Atlanta, GA, March 9, 2002

- *Optimization Problems in Forestry*, 80th Southeastern Meeting of the MAA, Montgomery, AL, March 2001
- *Partitions of Numbers – Euler's Pentagonal Number Theorem*, presentation to QED, the Stetson University MAA Student Chapter, March 23, 2001
- *Random Graphs – An Introduction*, presentation to QED, the Stetson University MAA Student Chapter, March 16, 2001
- *The Use of Elementary Mathematics to Solve Important Optimization Problems in Forestry*, MAA Special Session on Integrating Mathematics and Other Disciplines, Joint Mathematics Meetings of the AMS-MAA, New Orleans, January 13, 2001
- *Mathematics in Forestry*, Mathematics and Computer Science Colloquium Series, Stetson University, November 15, 2000
- *Pushing The Envelope*, Special Session on Undergraduate Research at the March Meeting of Project NExT – SE, Charlotte, March 10, 2000
- *An Online Model for Precalculus*, Workshop at 5th Annual Mathematics Technology Conference, Valdosta State University, February 25, 2000
- *An Online Model for Precalculus*, MAA Special Session on Innovative Uses of the WWW, Joint Mathematics Meetings of the AMS-MAA, Washington DC, 2000
- *Power Point Basics*, invited workshop at the 2nd Annual Mathematical Modeling Conference, Columbus State University, Columbus, GA, 1999
- *Digit Games*, 23rd Big Bend Meeting of the Mathematical Association of America, Tallahassee Section, FL, 1998
- *Do You Know Your Erdös Number?*, invited presentation to the *Math Club* at Columbus State University, Columbus, GA, 1998
- *What is So Special About 6174?*, Fall Brown Bag Series, College of Arts & Sciences, Valdosta State University, 1998
- *The Platonic Solids, workshop and presentation at the 2nd Annual SK Days*, Valdosta State University, 1998
- *Ramanujan-India's Greatest Mathematician*, invited presentation to the Pi Mu Epsilon chapter of Spelman College, Atlanta, GA, 1998
- *Nonrevisiting Cycles on Surfaces*, 931st Meeting of the American Mathematical Society, Louisville, KY, 1998
- *Figurate Numbers and Proofs Without Words*, 22nd Annual Southeastern Meeting of the MAA, Tallahassee Section, 1997
- *Nonrevisiting Cycles in Polyhedral Maps*, 27th Southeastern International Conference on Graph Theory and Computing, Baton Rouge, LA, 1996
- *The Legacy of Srinivasa Ramanujan*, invited banquet presentation at the 1st Annual Valdosta State University Mathematics Technology Conference, 1996
- *Nonrevisiting Paths on Surfaces*, 20th Annual Southeastern Meeting of the MAA, Tallahassee Section, 1995
- *The Nonrevisiting Cycle Conjecture for Polyhedral Maps*, 25th Southeastern International Conference on Graph Theory and Computing, Boca Raton, FL, 1994

- *Some Thoughts on Being an Effective Graduate Teaching Assistant*, invited presentation at the university-wide TA Orientation, University of Florida, 1992
- *The Hirsch and d-step Conjectures for Polyhedral Maps*, Combinatorics seminar, Department of Mathematics, University of Florida, 1990
- *The Evolution of the Neighborhoods of a Random Graph*, Combinatorics Seminar, Department of Mathematics, University of Florida, 1989

CONFERENCES / WORKSHOPS (includes upcoming)

- 59th Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PITTCON 2008), New Orleans, LA, Mar 2008
- Joint Mathematics Meetings, San Diego, CA, Jan 2008
- 31st Southeastern-Atlantic Section Meeting, Memphis, TN, May 2007
- MAA SAUM (Supporting Assessment in Undergraduate Mathematics) Workshop, Joint Mathematics Meetings, San Antonio, January 2006
- MAA SAUM (Supporting Assessment in Undergraduate Mathematics) Workshop, Clayton State University, GA, March 2005
- MAA SAUM (Supporting Assessment in Undergraduate Mathematics) Workshop, High Point University, NC, March 2004
- Joint Meeting of the Southeastern Section of the MAA and the Atlantic Section of the Society for Industrial Mathematics (SIAM), Clemson, SC, March 2003
- 2003 Joint Meetings of FL-MAA and FTYCMA, Jacksonville, FL, February 2003
- 2003 Joint Meetings of the AMS-MAA, Baltimore, MD, January 2003
- 2002 Joint Meeting of the Southeastern Sections of the AMS and MAA, Atlanta, GA, March 2002
- 35th Annual Meeting of the Florida Section of the MAA, Gainesville, FL, March 2002
- 80th Meeting of the Southeastern Section of the MAA, Montgomery, AL, April 2001
- 34th Annual Meeting of the Florida Section of the MAA, Ft. Myers, FL, March 2001
- 2001 SIGCSE Conference, Charlotte, NC, February 2001
- 2001 Joint Meetings of the AMS-MAA, New Orleans, LA, 2001
- 2000 Joint Meetings of the AMS-MAA, Washington DC, 2000
- 24th Annual Big Bend Meeting of the Mathematical Association of America, Tallahassee Region, FL, 1999
- ED-MEDIA 99, World Conference on Educational Media, Hypermedia, and Telecommunications, Seattle, WA, 1999
- WebCT Conference on Learning Technologies, University of British Columbia, Vancouver, BC, 1999
- WebCT Workshop sponsored by the Valdosta State University Center for the Advancement of Teaching & Learning, 1999
- Tegrity Demo and Training, a workshop sponsored by the Office of Information Technology, Valdosta State University, 1999

- 2nd Annual Conference on Mathematical Modeling, Columbus State University, Columbus, GA, 1999
- 940th Meeting of the American Mathematical Society, Gainesville, FL, 1999
- NSF Fastlane Workshop sponsored by the Grants & Contracts Office, Valdosta State University, 1998
- 23rd Annual Big Bend Meeting of the Mathematical Association of America, Tallahassee Region, FL, 1998
- Workshop on Polyhedral Combinatorics sponsored by the Southeastern Applied Analysis Center and the Association for Computing and Optimization, Georgia Tech, Atlanta, GA, 1998
- 931st Meeting of the American Mathematical Society, Louisville, KY, 1998
- 3rd Annual Valdosta State University Mathematics Technology Conference, Valdosta, GA, 1998
- University System of Georgia Faculty Development Workshop, Georgia Tech, Atlanta, GA, 1998
- 22nd Annual Big Bend Meeting of the Mathematical Association of America, Tallahassee Region, FL, 1997
- 21st Annual Meeting of the Mathematical Association of America, Tallahassee Region, FL, 1996
- 27th Southeast International Conference on Graph Theory and Computing, Baton Rouge, LA, 1996
- 1st Annual Valdosta State University Mathematics Technology Conference, Valdosta, GA, 1996
- 1996 Joint Mathematics Meetings of the AMS-MAA, Orlando, FL, 1996
- 20th Annual Meeting of the Mathematical Association of America, Tallahassee Region, FL, 1995
- Calculus Reform Conference sponsored by the MAA and the University of South Florida, Tampa, FL, 1994
- 25th Southeast International Conference on Graph Theory and Computing, Boca Raton, FL, 1994

CONSULTING

- Langdale Forest Products Company, Valdosta, GA 1995-96, 97-99, 2003-present. Provided consulting services (in collaboration with D. Gibson) related to the company's efforts to automate their entire sawmill operations. Specifically, we provided algorithms and solutions to log rotation problems that seek to maximize lumber yield. The outcomes of our efforts have been implemented in their daily operations
- Web Site Development

HONORS AND AWARDS

- Award of Excellence from Lake Highland Prep High School for guiding Mark White, Spring 2001
- Full Graduate Faculty status, Valdosta State University, 1998-2000
- Inducted into Pi Mu Epsilon Chapter at Valdosta State University, 1998-2000
- University-wide Outstanding Graduate Teaching Award, University of Florida, 1992

COURSE DEVELOPMENT

- CS 100 – Introduction to Computer Programming. An introductory course that teaches programming basics for students interested in computer science that do not have any prior

programming experience. The bulk of the course involves writing client-side JavaScript programs using HTML forms, Stetson University

- MS 159 – An Introduction to Cryptology (with Servio F. Medina). An introductory course for non-majors, Stetson University
- PERS 2720 – Techniques of Problem Solving. This is an introductory course in the techniques of problem solving across the disciplines. There is no prescribed textbook and consequently, much of the content and supplements are provided in class and online, Valdosta State University

Courses Taught

- *Introduction to Graph Theory*, Independent Study, an introductory, one-semester course in graph theory involving theory and practice, Stetson University
- *Introduction to Logic and Proof*, a bridge to abstract mathematics and proof techniques, Stetson University
- *Introduction to Number Theory*, a first course in elementary number theory, Stetson University
- *Introduction to Cryptology*, a hands-on introduction to the concepts and practice of cryptology, Stetson University
- *Senior Research*, guided and coordinated the senior research proposal and project of mathematics majors, Stetson University
- *History of Mathematics*, Independent Study, Stetson University; also as a dual listed graduate/undergraduate course that explores the development of mathematics from the early days of counting to some of the important achievements of the twentieth century, Valdosta State University
- *Introduction to AES (Rijndael)*, Independent Study, Stetson University
- *Abstract Algebra 2*, a one semester course in advanced Group Theory, topics in rings and fields, Stetson University
- *Abstract Algebra 1*, a one semester introduction to groups and rings, Stetson University
- *Introduction to Computer Programming (JavaScript)*, a one semester introduction to interacting programming for the world wide web, Stetson University
- *Introduction to Computer Science (C++)*, a course whose focus was to solve problems algorithmically and implement some of them in C++, also provided a broad overview of some of the topics in computer science, Stetson University
- *Applied Combinatorics*, a one semester junior-level course in applied combinatorial mathematics and graph theory for mathematics, computer science and engineering majors, Georgia Institute of Technology
- *Linear Algebra 2*, a second-semester proof-based version for Mathematics majors, Valdosta State University
- *Linear Algebra 1*, an introductory as well as an applied version for engineering and applied mathematics majors, Stetson University, George Mason University
- *Techniques of Problem Solving*, an introduction to the many techniques of problem solving with an emphasis on cross-disciplinary applications, Valdosta State University
- *Statistical Methods*, an introductory course in Statistics covering basic descriptive and inferential methods, Valdosta State University
- *Calculus I*, a first calculus course designed for majors in mathematics and the physical sciences.

Topics include limits, continuity, differentiation, applications of derivatives, anti-differentiation, the definite integral, and the fundamental theorem of calculus, Stetson University, University of Florida, George Mason University

- *Calculus II, a* second semester calculus course covering integration techniques, applications of integrations, differential equations, sequences and series, including power series, and parametric equations, Stetson University, University of Florida, George Mason University

- *Calculus III*, a course in the calculus of more than one variable. Topics include vectors, parametric equations, polar coordinates, partial differentiation, multiple integration, and vector fields, Stetson University, University of Florida, George Mason University
- *Business Calculus I, II*, the typical two-semester practical calculus sequence covering applications of differential and integral calculus in the areas of accounting, economics, marketing, biology, chemistry, and astronomy, Stetson University, Valdosta State University, University of Florida

- *Precalculus* (Honors as well as regular settings), Stetson University, Valdosta State University, University of Florida, George Mason University

- *An Introduction to Mathematical Modeling*, an alternative to a traditional College Algebra course with an emphasis on analyzing data via a modeling approach, Valdosta State University

- *College Algebra*, Valdosta State University, Bethune-Cookman College

- *Applied Mathematics for Liberal Arts*, an alternative to a traditional College Algebra course with an emphasis on inter-disciplinary applications of mathematics, Valdosta State University

- *Finite Mathematics*, An introduction to various areas of modern mathematics with an emphasis on applications, Stetson University

- *SAT–Prep*, a distance learning course that was taught via satellite broadcasts to high schools across the state of Georgia; in addition, one of the outcomes of this endeavour was the production of a 12 hour video series covering the quantitative section of the SAT, Valdosta State University

- *CLAST–Prep*, a standardized test required in the state of Florida, Bethune-Cookman College

Additional Courses of Interest

- Operations Research

- Algorithms

Instructional Technology

- Built a database-driven web site using PHP, JavaScript, CSS, and HTML that houses technology resources for Mathematics and Computer Science courses, Stetson University

- Use Blackboard to supplement all my courses. Some courses use it more extensively than others, Stetson University

- Mathematica in Calculus II and III, Stetson University

- Microsoft Excel in Business Calculus, Stetson University

- Designed and developed a version of Precalculus that is delivered completely online. The course functioned almost exclusively online by the use of the streaming, communication, and interactive tools, Valdosta State University

- Designed the History of Mathematics course as a WebCT course with online content and course tools such as a discussion board, chat rooms, student management as well as interactive learning tools, Valdosta State University

- Designed the Linear Algebra course as a WebCT course (description as above), Valdosta State University
- Web support / Homepages for most courses
- Multimedia and Streaming Presentations (Real Media, Microsoft Netshow, SMIL, PowerPoint etc.)
- Matlab in Calculus and Linear Algebra, Stetson University, Valdosta State University, University of Florida
- MAPLE in Honors Precalculus, George Mason University
- Minitab in Introductory Statistics, Valdosta State University
- TI Graphing Calculators in Business Calculus, Precalculus and Finite Mathematics, Stetson University, University of Florida, Valdosta State University
- Developed a 12-hour video series for SAT-Prep with taped as well as live satellite broadcasts, Valdosta State University

COMPUTER-RELATED SKILLS

- Proficiency in web programming, design, and implementation (including forms, scripts, style sheets, streaming technologies, HTML, SMIL, some XML, PHP, JavaScript, MathML etc); specific software include Macromedia Dreamweaver, Shockwave Director, Flash, Microsoft FrontPage, Adobe Photoshop, Acrobat etc.
- Matlab, MAPLE, Mathematica, Minitab, SAS, SPSS, Scientific Workplace, many versions of TeX, JavaScript, some Java and C++
- All publishing & presentation components of Microsoft Office and Lotus SmartSuite
- Windows, some UNIX, some Linux

SERVICE

Undergraduate Research & Other Student Activities

Guided the following student projects:

- Chris Hogg, Mathematics Senior Project, Title: "Graph Layout For Sensor Networks", 2007-present
- Martin Storm, Mathematics Senior Project, Title: "Properties of the Number Derivative", 2005-2006
- Elizabeth Chaille, Mathematics Senior Project, Title: "Kaprekar-Type Routines", 2005-2006
- Laura Holz, Mathematics Senior Project, Title: "Polygonal Representations of Polyhedral Maps", Spring 2002, Spring 2003 (Laura's paper was judged the best Mathematics senior research paper by the department)
- Jeff Hamrick, Mathematics Senior Project, Title: "On An Analogue to Euler's Pentagonal Number Theorem", 2001-2002
- Celeste Guarneri, Mathematics Senior Project, Title: "A 3-D Analogue to Calabi's Constant", Fall 2001
- Eric English, DA/CS Senior Project, Title: "The Art of Making Waves - Graphical Simulation of the Behavior of Ocean Surface Waves", 2000-2001
- Richard B. Davis, Once Upon A Times – Using Story Telling To Enhance Secondary Mathematics

Education, presentation at the Sixth Annual Undergraduate Research Symposium, Valdosta State University, 2000

- James Eager, LTex - Linear Transformations By Example, presentation at the Fifth Annual Undergraduate Research Symposium, Valdosta State University, 1999
- Peggy Ann Rushton, Dancing With Equations, poster at the Fifth Annual Undergraduate Research Symposium, Valdosta State University, 1999
- Mentored Mark White, a student of Lake Highland Prep School – worked on problems involving the Fibonacci and Lucas sequences as well as other generalized Fibonacci sequences and partitions of numbers. Mark won Best Mathematics paper and Best of Show (Physical Sciences) at the 2001 Orange County Science Fair, Fall 2000-Spring 2002
- Faculty Advisor to the QED Math Club, Stetson University's MAA Student Chapter, 2000-2004
- Faculty Advisor to the MAA Student Chapter at Valdosta State University, Fall 1999
- Editorial Board, Undergraduate Research Journal, Bethune-Cookman College, 1996
- Judge for the Annual High-School Invitational Programming Contest organized by the Stetson University ACM Chapter, 2000-present
- Judge for Science and Mathematics Fair, DeLand High School, November 13, 2003.

A**dvising**

- Discovery Advisor, Stetson University, 2002-present
- Academic advisor to mathematics majors, Stetson University, 2002-present
- Academic advisor to approximately 35 students majoring in Mathematics, Computer Science, and Computer Information systems, Valdosta State University, 1997-2000

Professional Refereeing/Reviews

- External Evaluator, Mathematics Program, Lynchburg College, VA, March 2006
- Referee, Networks (a Wiley journal), July 2004-present
- Referee, JOMA (Journal for Online Mathematics and it's Applications), Fall 2001-present
- Comprehensive Review of the text "College Algebra", 5th edition by Larson/Hostetler, Houghton Mifflin Company
- Reviewed the text "Functions: Foundations of Mathematical Models", by William Stout, Houghton Mifflin Company.
- Reviewed the following articles for *Mathematical Reviews*:
- Boris Aronov & Micha Sharir, "Cutting Circles into Pseudo-Segments and Improved Bounds for Incidences", Discrete and Computational Geometry 28: 475-490, 2002
- Kevin W. J. Kadell, "An Injection for the Ehrenpreis Rogers-Ramanujan Problem", Journal of Combinatorial Theory, Series A **86**, 390-394, 1999
- Bruce L. Bauslaugh, "Tearing a Strip Off the Plane", Journal of Graph Theory **29**: no 1, 17-33, 1998
- Imrich Wilfried & Klavžer Sandi, "A Convexity Lemma and Expansion Procedures for Bipartite Graphs", European Journal of Combinatorics **19**: no 6, 677-695 1998

- Gill Robert, "The Number of Elements in a Generalized Partition Semilattice", Discrete Math. **186**: no 1-3, 125-134, 1998
- B. Mohar and P. Rosenstiehl, "Tessellation and Visibility Representations of Maps on the Torus", Discrete & Computational Geometry **19**: 249-263, 1998
- N. Alon & G. Gutin, "Properly Colored Hamilton Cycles in Edge-Colored Complete Graphs", Random Structures & Algorithms **11**: no 2, 179-186, 1997
- P. Kleindschmidt & S. Onn, "On the Diameter of Convex Polytopes", Discrete Math. **102**: 75-77, 1992

Committees

- Undergraduate Council, Stetson University, 2007-2008
- Mathematics Faculty Search Committee, Stetson University, 2007-2008
- COSM*S, Stetson University, 2006-present
- Chair, Academic Technology Committee, 2005-present
- University Faculty Senate (College of Arts and Sciences representative), Stetson University, 2001-2004
- Academic Technology Committee (faculty senate representative), Stetson University, 2002-present
- Student Success and Retention Committee (faculty senate representative), Stetson University, 2001-2002
- University Web Task Force, Stetson University, Summer 2001-present
- MAA-SAUM (Supporting Assessment in Undergraduate Mathematics) Departmental Representative to the MAA, Stetson University, 2004-present
- Mathematics Faculty Search Committee, Stetson University, 2002-2003
- Departmental Mathematical Modeling Committee, Valdosta State University, 1999
- Departmental Computer Science Assessment Committee, Valdosta State University, 1999
- Departmental Screening Committee for Undergraduate Research, Valdosta State University, 1999
- Departmental Committee for the assessment of the Bachelor in Arts degree in Mathematics, Valdosta State University, 1998-2000
- Departmental Committee for Computer Resources and Technology Needs, Valdosta State University, 1998-2000
- Hiring, Dismissal, Promotion & Tenure Committee at Bethune-Cookman College, 1996
- University of Florida Graduate School Committee to select the University-wide Graduate Teaching Awards, 1993-1996

Professional Memberships

- Mathematical Association of America, 1999–present

Miscellaneous Professional Activities

- External Program Evaluator, Mathematics Program, Lynchburg College, VA, March 2006

- Session moderator at the 80th Meeting of the Southeastern Section of the MAA, Montgomery, AL, 2001
- Department of Mathematics and Computer Science MAA Liaison, Stetson University, Jan 2001–present
- Departmental Textbook Selection Committee for Precalculus, Stetson University, Spring 2001
- Stetson University Math/CS Department's webmaster, completely re-built the site, Fall 2000-present
- "My First Year at Valdosta State University", a brief presentation followed by a question/answer session at the Arts & Sciences New Faculty Orientation, Valdosta State University, 1999
- Session moderator at the 4th Annual Mathematics Technology Conference, Valdosta State University, 1999
- Served on a 3 member panel that met with Florida State University graduate students and faculty as part of the FSU-Valdosta State University cluster of the Preparing Future Faculty (PFF) national group, Valdosta State University, 1998
- Member of a *Teaching Circle*, sponsored by the Center for the Advancement of Teaching & Learning, Valdosta State University, 1998
- Departmental Textbook Selection Committees for Business Calculus I, II, Precalculus (regular & honors), and Trigonometry, Valdosta State University, 1997-98