Ronald J. Gould
Goodrich C. White Professor Emeritus
(last update) April 7, 2025

Personal Data: Born, April 15, 1950   Married
e - mail: rg@emory.edu
web page: http://www.math.emory.edu/~ rg

Address: Office: Home:
Department of Mathematics   2800 Jasmine Court
Emory University   Atlanta, GA
Atlanta, GA 30322   30345

Degrees: Ph.D. (1979) Western Michigan University (Mathematics)
M.S. (1978) Western Michigan University (Computer Science)
B.S. (1972) SUNY at Fredonia (Mathematics)

Experience: 9.1.2016 Goodrich C. White Professor Emeritus
2001-2016 Goodrich C. White Professor, Emory University
1990-2001 Professor, Emory University
1985-1990 Associate Professor, Emory University
1979-1985 Assistant Professor, Emory University
1978-1979 Lecturer, San Jose State University
1973-1979 T. A. and Doctoral Fellow, Western Michigan University
1972-1973 T. A., SUNY at Fredonia

Memberships: Mathematical Association of America (MAA) until 2017
Fellow: Institute for Combinatorics and its Applications (ICA) until 2020
American Mathematical Society (AMS)
Society for Industrial and Applied Mathematics (SIAM) until 2017
SIAM Activity Group (SIAG) on Discrete Mathematics) until 2017
Association for Computing Machinery (ACM) (1979-95)

Ed. Boards: Ars Combinatoria
Bulletin of the Institute for Combinatorics and its Applications
INVOLVE
J. Combinatorial Math. and Combinatorial Computing   till 2022
J. Combin. Inform. & System Sciences

Honors:	2024-25 Bianchi - Bugge Award
	2018 Emory Emeritus College Faculty Award of Distinction
	2017 Heilbrun Distinguished Emeritus Fellow
	17th Atlanta Lecture Series at GA State, April, 2016 dedicated to me
	2010 Cumberland Conf. dedicated to my 60th birthday
	American Library Association Choice Award 2010
	MAA Section Lecturer - SE Section, 2009
	MAA Southeastern Section Distinguished Teaching Award, 2008
	Alumni Achievement Award, Western Michigan University, 2005
	Outstanding Alumni Award, S.U.N.Y. Fredonia, 2002
	Goodrich C. White Chair (Emory University, 2001)
	Emory Williams Teaching Award 1999 (Emory University)
	Charles G. Butler Teaching Award 1976 (Western Michigan University)
	N.Y. State Regents Scholarship 1968-1972

Offices:	Council of the I.C.A. 1993-2001
	CADCOM of I.C.A. 1993-2001 (Advancement of Discrete/Combin. Math)
	Cumberland Conference Board of Directors 1987-present
	Sites Com. SE Sect. MAA 1982-1985 (Chair-1984-85)
	Distinguished Teaching Award Selection Committee, Southeastern
	Section MAA 2009-2011, Chair 2010-2011
	Executive Committee, Southeastern Section of MAA, 2009-2010
	Scientific Committee, 8th French Combinatorial Conference, Orsay, June 28-July 2, 2010
	Chair, SIAM Nominating Committee for SIAG Discrete Math., 2011

Grants:

Emory University Grants:

- *Research:* (1980, no. 4059/14 $1200) and (1983-84, no. 8399/02 $10,000) and (summer 1985, no. 4006 $3636) and Summer Faculty Development Awards 1982-84, ($2000 per summer).

- *Teaching:* Support in the Language of Teaching: English as a Second Language and the International Teaching Assistant. With G. Canseco and Jody Usher, 1996-97, $5000.

- *International Travel:* Travel to British Combinatorial Conference, 1999 ($1200).

- *ICIS International Travel Grant:* Travel to Japan and China Graph Theory Workshops, 2005 ($2400). Travel to Denmark, 2008 ($2400).

- *Emory Conference Subvention Fund:* 20th Cumberland Conference ($7000) 2007-2008.

- *Special Woodruff Travel Funds:* Travel to Brazil, $2500, June 2008.

- *2017 Heilbrun Distinguished Emeritus Fellowship,* $10,000

- *2024-25 Bianchi - Bugge Award* $2,000

NSF Grants:

- *ISEP Grant:* Undergraduate Microcomputer Laboratory, with K. Mandelberg, 1981-83 ($41,271).

- *CBMS Regional Conference:* Extremal Graph Theory, Principal Speaker: Béla Bollobás, June 18-22, 1984, Co-director with D. Duffus and P. Winkler, ($21,400).

- *Collaborative Research: Atlanta Lecture Series in Combinatorics and Graph Theory*, with Guantao Chen, Georgia State University and Xingxing Yu, Georgia Tech., 2010-11, ($4,700) per school.

- *Collaborative Research: Atlanta Lecture Series in Combinatorics and Graph Theory*, with Guantao Chen, Georgia State University and Xingxing Yu, Georgia Tech., 2013-2014, ($7,350) per school.

- *Collaborative Research: Atlanta Lecture Series in Combinatorics and Graph Theory*, with Guantao Chen, Georgia State University and Xingxing Yu, Georgia Tech., 2014-2015, ($7,350) per school.

- *Collaborative Research: Atlanta Lecture Series in Combinatorics and Graph Theory* with G. Chen and X. Yu. (Ga State), 2015-2016. ($20,150).

Office of Naval Research Grants:

- *Applications of Neighborhood Unions and Generalized Degrees to Graph and Network Problems*, Contract N00014-88-K-0070, with R. J. Faudree, 1987-90, ($155,796).

- *Applications of Neighborhood Unions and Generalized Degrees to Graph and Network Problems*, Grant No. N00014-91-J-1085, with R. J. Faudree, 1990-93, ($185,000).

- *Cumberland Conference Funding*, 1991, Grant No. N00014-91-J-1188 ($5016).

- *Strong Connectivity in Graphs and Networks*, with R.J. Faudree, 1993-96 , Grant No. N00014-91-J-1085, ($103,542).

- *Support for the 10th Cumberland Conference*, 1997. Grant No. N00014-97-1-0175, ($4995).

- *Connectivity and Structure: Building Reliable Communication Networks*, Grant No. N00014-97-1-0499, 1997-1999, ($123,662).

National Security Agency Grants:

- *Applications of Neighborhood Unions and Generalized Degrees to Graph and Network Problems: Student Support*, Grant Number MDA904-89-H-2036, with R.J. Faudree, 1989-90, ($26,000).

- *Support for the 20th Cumberland Conference*, 2007-2008, ($12,500)

- *Collaborative Research: Atlanta Lecture Series in Combinatorics and Graph Theory:* , with Guantao, Chen, Georgia State University and Xingxing Yu, Georgia Tech., 2010-2013, $14,100 per school.

- *Collabroative Research: Atlanta Lecture Series in Combinatorics and Graph Theory:* 2013-2014, $7350.

Others:

- **IBM:** *Computer Science Development Grant*, with K. Mandelberg, 1983-88 ($150,000).

- **A.T. & T. Grants:** *Computer Workstation Grant*, with K. Mandelberg and P. Waltman, 1985, ($100,000).

- *UNIX PC Grant*, with K. Mandelberg, 1986, ($75,000).

- **Sears Writing Fellowship:** 1989-90, ($1200).

- **Argonne Distinguished Visitor Program:** 1989-90, ($1,500).

Administrative Experience and Service

Departmental

Computer Science Com.	1979-87
Director of Graduate Studies	1982-87
	1992-2002
Dept. Ad Hoc Com.	1984-85
Faculty Search Com.	1984-90
	2013-2014
Chair, CS Search Com.	1985
CS Search Com.	2005-2006
	1990
Dept Chairman	1988-1991
Co-chair, Dept. Teaching Com.	1993-98
Teaching Mentor	1992-2016
Acting Dept. Chair	2003-2004
Faculty Development Com.	2003-04
Teaching Taskforce	2006-07
Dept. Graduate Com.	2005-2013
	1982-2002

EU Emeritus College

Executive Com.	2019-date
Mind Matters Com.	2018-date
Chair, Awards Com. for EUEC	2021-2022
EUEC Zoom Team	2021-date
EUEC Retirement Seminar Panel	2019
Chair, Mind Matters Com.	Sept 2022-date

College or University

Graduate Executive Com.	1982-88
College Nominating Com.	1986-87
	1992-93
	Chair 1996-1997
College Academic Standards Com.	1986,1988-91
	Chair 1990-91
College Executive Com.	1990, 1999-2001
College Educational Policy Com.	1990
Release Time Com.	1991
Supercomputing Com.	1991
College Grievance Com.	1992-95
Undergrad. Scholars Selection Com.	1993-95
	1998
Evaluation of Grad. Teaching	Chair 1993-94
Coll. Tenure & Promotion Com.	
1993-96, Co-chair 95-96,1998-2001, Chair 01	
2006-2009	
Woodruff Fellowship Selection Com.	1998-2001
McMullum Award Selection Com.	1998
Digital Future Seminar	1999-2001
Search Com. - Assoc. Dean Grad School	2000
Emory Williams, CTC, Awards Com.	2002
Presidential Advisory Com. (PAC)	2001-2004
TATTO Restructuring Com.	2002
Provost Search Com.	2003-2004
Faculty Science Council	2003-2004
ICIS Travel Grant Committee	2004-2009
Grad School Appointments Com	2006-2008
Bobby Jones Scholar Selection Com.	2008-2009, 2012
Graduate Berlin Fellowship Selection Com.	2009
Bobby Jones Finalist Selection Com.	2010
Committee on Named Chairs	2010
Physics Department Promotion Com.	2010, 2012

Books, Book Chapters, Book Reviews:

Books:

Graph Theory, Benjamin/Cummings Publishing Co., Menlo Park, CA, 1988.

Graph Theory, Dover Publications, Inc., Mineola, N.Y., Nov., 2012, (reprinting of the earlier book).

Mathematics in Games, Sports, and Gambling - The Games People Play, CRC Press, Taylor & Francis Group, Boca Raton, FL, 2010. (American Library Association Choice Award, Outstanding Academic Titles in 2010.)

Mathematics in Games, Sports, and Gambling, Chinese translation of 1st edition, CRC Press, Taylor & Francis Group, Chinese Machine Press, 2015.

Mathematics in Games, Sports and Gambling - The Games People Play. CRC Press, Taylor & Francis Group, 2nd Edition, November, 2015.

Book Chapters:

Hamiltonian Graphs, in *Handbook of Graph Theory*, ed. J. Gross, J. Yellen and Z. Galil, CRC Press, 2003, Chapter 4, 261–278.

Hamiltonian Graphs, in *Handbook of Graph Theory*, ed. J. Gross, J. Yellen and P. Zhang, 2nd Edition, (2013), pp. 314–335. (Updated version.)

H-linked Graphs, with M. Ferrara, in *Topics in Structural Graph Theory*, ed. L. Beineke and R. Wilson, Cambridge University Press, 2013, Chapter 6, pp 141–164.

Developments on Saturated Graphs, *50 Years of Combinatorics, Graph Theory, and Computing*, CRC Press, Ed. by F. Chung, R. Graham, F. Hoffman, L. Hogben, R. Mullin, and D.West, CRC Press, 2019 Chapter 7, pp 111–133.

Book Reviews:

Mathletics - How Gamblers, Managers, and Sports Enthusiasts Use Mathematics in Baseball, Basketball and Football by Wayne L. Winston, Princeton University Press, 2009. For *SIAM Review*, 2010, Vol. 52, Issue 4, pp 774-775.

Mathletics - How Gamblers, Managers, and Sports Enthusiasts Use Mathematics in Baseball, Basketball and Football by Wayne L. Winston, Princeton University Press, 2009. For the *Mathematical Intelligencer*, Vol. 33, No. 1, 2010, pp 109-110.

Luck, Logic, and White Lies. The Mathematics of Games, Second Edition by Jörg, Bewersdorff, CRC Press(2021). For *Mathematical Intellingencer*, Vol. 44, Issue 3, Sept., 2022, pp 286–287. online now at https://rdcu.be/cNm4V.

Research Publications:

1974

1. A note on graphs whose neighborhoods are n-cycles, with B. Chilton and A.D. Polimeni, *Geometriae Dedicata*, 3 (1974) 289–294.

1979

2. On homogeneously traceable nonhamiltonian graphs, with G. Chartrand and S.F. Kapoor, *Annals of the N.Y. Acad. of Sci.*, Vol 319 (1979) 130–135.

3. A note on locally connected and hamiltonian - connected graphs, with G. Chartrand and A.D. Polimeni, *Israel Journal of Mathematics*, Vol 33, No. 1, (1979) 5–8.

4. Some ramsey type results on trees versus complete graphs, with G. Chartrand and A.D. Polimeni, Proceedings of the 10-th Southeastern Conference on Combinatorics, Graph Theory, and Computing (Boca Raton), *Congressus Numeratium* 23 (1979) 241–249.

1980

5. On ramsey numbers of forests versus nearly complete graphs, with G. Chartrand and A. D. Polimeni, *J Graph Theory*, 4 (1980) 233–239.

6. The min-max super graph, with G. Chartrand and S.F. Kapoor, *Math. Slovaca* 30 (1980) No. 2, 175–179.

1981

7. Degree sets for homogeneously traceable nonhamiltonian graphs, *Colloquium Mathematicum*, Vol 45 No. 1, (1981) 155–158.

8. On line graphs and the hamiltonian index, *Discrete Mathematics*, 34 (1981) 111–117.

9. Bigraphical sets, with G. Chartrand, A.D. Polimeni, C. Wall, The Theory and Applications of Graphs, ed. by Chartrand, Alavi, Goldsmith, Lesniak and Lick, (1981) 181–187.

10. Forbidden subgraphs and the hamiltonian theme, with D. Duffus and M.S. Jacobson, Invited paper for: The Theory and Applications of Graphs, ed. by Chartrand, Alavi, Goldsmith, Lesniak and Lick, (1981) 297-316.

11. Graphs with prescribed degree sets and girth, with G. Chartrand and S.F. Kapoor, *Periodica Mathematica Hungarica*, Vol 12 , No. 4, (1981) 261–266.

12. A note on the ramsey number for the union of graphs versus many graphs, with M.S. Jacobson, *Congressus Numerantium*, Vol 33, (1981) 39–43.

13. $(D; n)$-Cages, with M. Downs, J. Mitchem, F. Saba, *Congressus Numerantium*, Vol 32, (1981) 279–293.

1982

14. Bounds for the ramsey number of a disconnected graph versus any graph, with M.S. Jacobson, *J Graph Theory*, Vol 6 (1982) 413–417.

15. Forbidden subgraphs and hamiltonian properties of graphs, with M.S. Jacobson, *Discrete Mathematics*, 42 (1982) 189–196.

1983

16. On the ramsey number of trees versus graphs with large clique number, with M.S. Jacobson, *J Graph Theory*, Vol 7, No. 1, (1983) 71–78.

17. Traceability in the square of a tree, *Journal of Combinatorics, Information & System Sciences* 8 (1983), no. 4, 253–260.

1984

18. Degree sets and graph factorization, with D. Lick, *Colloquium Mathematicum* 48 (1984), no. 2, 269–277.

19. A note on mixed ramsey numbers, total chromatic number versus graphs, with M.S. Jacobson, *Journal of Combinatorics, Information & System Sciences* 8 (1984), 147–154.

20. Forbidden subgraphs and hamiltonian properties in the square of a graph, with M.S. Jacobson, *J Graph Theory*, 8 (1984), 147–154.

1985

21. A recursive algorithm for hamiltonian cycles in the $(1, j, n)$-Cayley graph of the alternating group, with R. Roth, Invited paper for: Graph Theory with Applications to Algorithms and Computer Science, Wiley - Interscience, New York, (1985), 351–369.

1987

22. Cayley graphs and $(1, j, n)$-sequencings of the alternating group A_n, with R. Roth, *Discrete Math.*, 66 (1987) 91–102.

23. Extremal problems involving neighborhood unions, with R.J. Faudree, M.S. Jacobson, and R.H. Schelp, *J Graph Theory*, 11 (1987), 555–564.

24. Goodness of trees for generalized books, with S. Burr, P. Erdös, R.J. Faudree, M.S. Jacobson, C.C. Rousseau, and R.H. Schelp, *Graphs and Combinatorics*, 3 (1987), 1–6.

25. Neighborhood conditions and edge disjoint hamiltonian cycles, with R.J. Faudree and R.H. Schelp, *Congressus Numerantium*, 59 (1987), 55–68.

1988

26. Neighborhood closures for graphs, with R.J. Faudree, M.S. Jacobson and L. Lesniak, *Colloquia Mathematica Societatis Janos Bolyai*, 52 (1988), 228–237.

27. Graphs with an ascending subgraph decomposition, with R. J. Faudree, M. S. Jacobson and L. Lesniak. *Congressus Numerantium* 65 (1988), 33–42.

1989

28. Neighborhood unions and hamiltonian properties in graphs, with R.J. Faudree, M.S. Jacobson, and R.H. Schelp, *J. Combin. Theory B*, 46 (1989), 1–20.

29. Some extremal problems involving adjacency conditions for vertices at distance two, with T. Lindquester, Invited paper for: Recent Studies in Graph Theory, edited by V. R. Kulli, Vishwa International Publications, (1989), 140–148.

30. On a neighborhood condition implying the existence of disjoint complete graphs, with R. J. Faudree, M. S. Jacobson and L. Lesniak, *European Journal of Combinatorics*, 10 (1989), 427–433.

31. Menger path systems, with R.J. Faudree and R. Schelp, *J. Combin. Math. and Combin. Computing* 6 (1989), 9–21.

1990

32. An ascending subgraph decomposition for forests, with R. J. Faudree, *Congressus Numerantium* Vol. 70, (1990), 221–230.

33. Monochromatic coverings in colored complete graphs, with P. Erdös, R.J. Faudree, A. Gyárfas, C. Rousseau, and R. H. Schelp, *Congressus Numerantium* Vol. 71, (1990), 29–38.

34. Two - irregular graphs, with R. J. Faudree, M. S. Jacobson and R. H. Schelp, *Topics in Combinatorics and Graph Theory, Essays in Honour of Gerhard Ringel*, (Oberwolfach, 1990), 239–248 Physica-Verlag, Heidelberg, (1990), edited by R. Bodendiek.

35. Lower bounds for lower ramsey numbers, with R. J. Faudree, M.S. Jacobson and L. Lesniak, *J Graph Theory*, Vol. 14, No. 6 (1990), 723–730.

36. On a generalization of Ore's theorem for hamiltonian-connected graphs, with N. Dean and T. Lindquester, *Congressus Numerantium* Vol. 78 (1990), 207–215.

1991

37. Hamiltonian properties and adjacency conditions in $K_{1,3}$-free graphs, with R. J. Faudree and T. Lindquester, *Graph Theory, Combinatorics, and Applications*, Vol. 1, (1991), 467–480.

38. Bounds on the number of isolated vertices in sum graphs, with V. Rödl, Invited paper for: *Graph Theory, Combinatorics, and Applications*, Vol. 1 (1991), 553–562.

39. Neighborhood unions and highly hamiltonian graphs, with R. J. Faudree, M.S. Jacobson and L. Lesniak, *Ars Combinatoria*, 31 (1991), 139–148.

40. Neighborhood conditions and edge-disjoint perfect matchings, with R. J. Faudree and L. Lesniak, *Discrete Math.* 91 (1991), 33–43.

41. Neighborhood intersections and a generalization of Ore's theorem, with M. S. Jacobson, *Graph Theory, Combinatorics, Algorithms and Applications*, Edited by Y. Alavi, F. Chung, R. Graham, D. Hsu, (1991), 198–206.

42. Updating the Hamiltonian problem - a survey, *J Graph Theory*, Vol. 15, No. 2, (1991), 121–157.

43. Generalized degrees, connectivity and hamiltonian properties in graphs, with R. J. Faudree, M. S. Jacobson and L. Lesniak, *Journal of Combinatorics, Computing and Information Sciences*, Vol. 16, Nos.1-2, (1991), 93–105.

44. On rotation numbers for digraphs, with G. Chartrand, E. Kubicka and G. Kubicki, *Advances in Graph Theory*, ed. by V.R. Kulli, (1991), 104–120.

45. Seymour's conjecture, with R. J. Faudree, M.S. Jacobson and R. H. Schelp, *Advances in Graph Theory*, ed. by V.R. Kulli, (1991), 162–170.

1992

46. On independent generalized degrees and independence numbers in $K_{1,3}$-free graphs, with R.J. Faudree, M.S. Jacobson, T.E. Lindquester and L. Lesniak, *Discrete Math.* 103 (1992), 17–24.

47. Neighborhood unions and a generalization of Dirac's theorem, with R.J. Faudree, M.S. Jacobson and L. Lesniak, *Discrete Math.* 105, (1992), 61–71.

48. Generalized degrees and Menger path systems, with R.J. Faudree and L. Lesniak, Invited paper for: A special edition of Discrete Applied Mathematics on Interconnection Networks. *Discrete Applied Math.* 37/38, (1992), 179–191.

49. A generalization of Dirac's theorem for $K_{1,3}$-free graphs, with R.J. Faudree, M.S. Jacobson, T.E. Lindquester and L. Lesniak, *Periodica Mathematica Hungarica* Vol. 24 (1) (1992), 37–54.

50. On the ascending subgraph decomposition problem, with R.J.Faudree, M. S. Jacobson and L. Lesniak, *Utilitas Math.* 41 (1992) 33–40.

51. A characterization of influence graphs of a prescribed graph, with G. Chen, M. S. Jacobson, R. H. Schelp, and D. West, *The Vishwa International J. Graph Theory*, Vol. 1, No. 1, (1992), 77–81.

1993

52. Generalized degree sums and hamiltonian graphs, with Avrim Blum, *Ars Combinatoria* 35-A (1993), 35–54.

53. A note on isomorphic subgraphs, with V. Rödl, *Discrete Math.* 118 (1993), 259–262.

1994

54. Neighborhood unions and the cycle cover number of a graph, with G. Chen, M.S. Jacobson and R.H. Schelp, *J Graph Theory* Vol. 18, No. 7 (1994), 663–672.

55. On hamiltonian-connected graphs, with X. Yu. *J Graph Theory*, Vol. 18, No. 8 (1994), 841–860.

56. Generalized degrees and short even cycles, with D. Knisley, *Congressus Numeratium* 103 (1994), 21–25.

1995

57. Degree conditions and cycle extendability, with R. J. Faudree, M. S. Jacobson, and L. Lesniak, *Discrete Math.* 141 (1995), 109–122.

58. Generalized degree conditions for graphs with bounded independence number, with R. J. Faudree, L. Lesniak and T. Lindquester, *J Graph Theory*, Vol. 19, No. 3, (1995), 397–409.

59. Extremal graphs for intersecting triangles, with P. Erdös, Z. Furedi and D. Gunderson, *J Combin. Theory B*, Vol 64, No. 1 (1995), 89–100.

60. Problems involving paths and cycles in graphs, *Congressus Numeratium* Vol 106 (1995), 119–127.

61. Hamiltonicity of balanced *k*-partite graphs, with G. Chen, R. J. Faudree, M. S. Jacobson and L. Lesniak, *Graphs and Combinatorics*, 11 (1995), 221–231.

62. Spanning caterpillars with bounded diameter, with R.J. Faudree, M.S. Jacobson and L. Lesniak, *Discussiones Mathematicae Graph Theory* 15 (1995), 111–118.

63. Forbidden triples of subgraphs and traceability, with J. Harris, *Congressus Numeratium*, 108 (1995), 183–192.

64. Forbidden subgraphs and pancyclicity, with R. J. Faudree, Z. Ryjacek and I. Schiermeyer, *Congressus Numeratium* 109 (1995), 13–32.

1996

65. On *p*-intersection representations, with V. Rödl and N. Eaton. *J Graph Theory*, Vol. 21, No. 4 (1996), 377–392.

66. Graph spectra, with R. J. Faudree, M. S. Jacobson, J. Lehel and L. Lesniak, *Discrete Math.* 150 (1996), 103–113.

67. Extremal theory for cliques in graphs, Special Edition ed. by G. Chartrand and M. S. Jacobson, *Congressus Numerantium*, 116 (1996), 115–137.

1997

68. Degree conditions for 2-factors, with S. Brandt, G. Chen, R.J. Faudree, and L. Lesniak, J. Graph Theory, Vol. 24, No. 2, (1997), 165–173.

69. Characterizing forbidden pairs for hamiltonian properties, with R.J. Faudree. *Discrete Math.* 173 (1997), 45–60.

1998

70. Intersections of longest cycles in k-connected graphs, with G. Chen and R.J. Faudree, *J. Combin. Theory B*, Vol. 72, No. 1, (1998), 143–149.

71. Traceability in graphs with forbidden triples of subgraphs, with J. Harris, *Discrete Math.* 189 (1998), no. 1-3, 123–132.

1999

72. On 2-factors containing 1-factors in bipartite graphs, with G. Chen and M.S. Jacobson, Proceedings of British Comb. Conference, *Discrete Math.* 197/198 (1999), 185–194.

73. A note on cycles in 2-factors of line graphs, with Emily Hynds, *Bull. of the I.C.A.*, Vol. 26 (1999), 46–48.

74. On the Structure of Ryjacek-closed $\{K_{1,3}, N_2\}$-free graphs, with G. Acree and J. Harris, *Combinatorics, Graph Theory, and Algorithms*, Ed. by Alavi, Lick and Schwenk, Vol. I (1999), 11–21.

75. On G-potential degree sequences, with M.S. Jacobson and J. Lehel, *Combinatorics, Graph Theory, and Algorithms*, Ed. by Alavi, Lick and Schwenk, Vol. I (1999), 387–400.

76. On k-linked graphs, with R. J. Faudree, R. Schelp and T. Lindquester, *Combinatorics, Graph Theory, and Algorithms*, Ed. by Alavi, Lick and Schwenk, Vol. II (1999), 451–460.

77. Forbidden triples and traceable traphs: A characterization, with J. Harris, *Discrete Math.* 203 (1999), 101–120.

2000

78. Short cycles in hamiltonian graphs, with R.J. Faudree, M.S. Jacobson and L. Lesniak, *Bull. I.C.A.*, Vol. 28, (2000), 89–98.

79. On k-ordered graphs, with J.R. Faudree, R.J. Faudree, M.S. Jacobson and L. Lesniak, *J. Graph Theory* Vol 35 No. 2 (2000), 69–82.

80. Cycles in 2-factors of balanced bipartite graphs, with G. Chen, R.J. Faudree, L. Lesniak, and M.S. Jacobson, *Graphs and Combinatorics* 16 (2000) no. 1, 67–80.

81. Hamiltonian connected graphs involving forbidden subgraphs, with G. Chen, **Bull. I.C.A.** 29 (2000), 25–32.

82. Cycles in 2-factors of claw-free graphs, with G. Chen, J.R. Faudree, and A. Saito, *Discuss. Math. - Graph Theory* 20 (2000), no. 2, 165–172.

83. The structure of $\{K_{1,3}, Z_2\}$-free graphs, with A. Fuller and A. Wolf, *Congressus Numeratum* 142 (2000), 129–147.

2001

84. Complete families of graphs, with R.J.Faudree, M.S. Jacobson and L. Lesniak, *Bull. of the I.C.A.*, Vol. 31 (2001), 39–44.

85. Two-factors with few cycles in claw-free graphs, with M.S. Jacobson, *Discrete Math.* 231 (2001), no. 1-3, 191–197.

86. Results on degrees and the structure of 2-factors, Special Issue of *Discrete Math.* dedicated to Paul Catlin, Vol 230 (2001), 99–111.

87. Path spectra and forbidden families, with Allen Fuller, *Ars Combinatoria*, 58 (2001), 161–167.

88. Edge disjoint monochromatic triangles in 2-colored graphs, with P. Erdös, R. J. Faudree, M.S. Jacobson and J. Lehel, *Discrete Math.* 231 (2001), no. 1-3, 135–141.

89. Partitioning the vertices of a tournament into independent cycles, with G. Chen and Li Ho, *J. Combin. Theory Ser. B.* 83 (2001), no. 2, 213–220.

90. 2-Factors and forbidden subgraphs, with E. Hynds, *Congressus Numeratum* 149 (2001), 201–209.

2002

91. Characterizing forbidden clawless triples implying hamiltonian graphs, with R.J.Faudree, M.S. Jacobson and L. Lesniak, *Discrete Math.* 249 (2002) no. 1-3, 71–81.

92. On graph irregularity strength, with A. Freize, M. Karonski and F. Pfender, *J. Graph Theory*, 41 (2002), no. 2, 120–137.

93. A note on cycle lengths in graphs, with P. Haxell and A. Scott, *Graphs and Combinatorics* 18 (2002) 3, 491–498.

94. Pancyclicity in claw-free graphs, with F. Pfender. *Discrete Math.* 256 (2002), no. 1-2, 151–160.

95. Spanning tree edge densities, with M. Ferrara and C. Suffel, *Congressus Numerantium* 154 (2002), 155–163.

2003

96. Degree conditions for *k*-ordered graphs, with R.J. Faudree, A. Kostochka, L. Lesniak, I. Schiermeyer, A. Saito, *J. Graph Theory* 42, No. 3, (2003), 199–210.

97. Advances on the hamiltonian problem: A survey, *Graphs and Combinatorics*, 19 (2003), No. 1, 7–52.

98. On *k*-ordered bipartite graphs, with J. Faudree, F. Pfender and A. Wolf, *Electron. J. Combin.* 10 (2003), no. 1, Research Paper 11, 12 pages (electronic).

99. Graph connectivity after path removal, with G. Chen and X. Yu, *Combinatorica* 23 (2003), no. 2, 185–203.

100. Extremal graphs for intersecting cliques, with G. Chen, F. Pfender and B. Wei, *J. Combin. Theory B* 89 (2003), 159–171.

2004

101. New conditions for k-ordered hamiltonian graphs, with G. Chen, and F. Pfender, *Ars Combinatoria*, 70 (2004), 245–255.

102. Locally semicomplete digraphs with a factor composed of k cycles, with Yubao Guo, *Journal of the Korean Mathematical Society*, 41 (2004), No. 5, 895–912.

103. Generalizing pancyclic and ordered graphs, with R.J. Faudree, M.S. Jacobson and L. Lesniak, *Graph and Combinatorics*, 20 (2004), no. 3, 291–309.

104. Toughness, degrees and 2-factors, with R.J. Faudree, L. Lesniak, M.S. Jacobson and A. Saito, *Discrete Math.*, 286 (2004), no. 3, 245–249.

105. Pancyclicity in 3-connected graphs: forbidden pairs, with T. Luczak and F. Pfender, *J. Graph Theory*, 47 (2004), no. 3, 183–202.

106. Linear forests and ordered cycles, with G. Chen, R.J. Faudree, M.S. Jacobson, L. Lesniak and F. Pfender, *Discussiones Mathematicae - Graph Theory*, 24 (2004) 359–372.

107. Variations of pancyclic graphs, with J.R.Faudree, R.J. Faudree, M.S. Jacobson and L. Lesniak. *Journal of Combinatorial Mathematics and Combinatorial Computing* 51(2004), 33–48.

108. Forbidden triples implying hamiltonicity: for all graphs, with R.J. Faudree and M.S. Jacobson. *Discussiones Mathematicae - Graph Theory.* 24 (2004), no. 1, 47–54.

2005

109. Graph minors and linkages, with G. Chen, K. Kawarabayashi, F. Pfender and B. Wei, *J. Graph Theory,* 49(2005), No. 1, 75–91.

110. A note on neighborhood unions and independent cycles, with J. R. Faudree. *Ars Combinatoria*, 76(2005), 29–31.

111. Potential forbidden triples implying hamiltonicity: for sufficiently large graphs, with R. Faudree and M.S. Jacobson, *Discussiones Mathematicae - Graph Theory.* 25(3) (2005), 273–289.

112. A note on 2-factors with two components, with R.J.Faudree, M.S. Jacobson, L. Lesniak and A. Saito, *Discrete Math.* 300(2005), 218–224.

113. Minimial degree and (k, m)-pancyclic ordered graphs, with R.J. Faudree, M.S. Jacobson and L. Lesniak, *Graphs and Combinatorics*, 21(2005), 197–211.

2006

114. Distance between two k-sets and path-systems extendibility, with T. Whalen, *Ars Combinatoria* 79 (2006), 211–228..

115. Constructive upper bounds for cycle saturated graphs, with T. Luczak and J. Schmitt, *Elec. J. Combin.* Volume 13(1), (2006), R29 - 19pp.

116. A note on 2-factors in line graphs, with E. Hynds, *Bull. of the I.C.A.* 47 (2006), 58–62.

117. On H-linked graphs, with M. Ferrara, G. Tansey and T. Whalen, *Graphs and Combinatorics.* 22(2006), no. 2, 217–224.

118. Cycle extendability of hamiltonian interval graphs, with G. Chen, R.J. Faudree and M.S. Jacobson. *SIAM J. Discrete Math.* Vol. 20 (2006), No. 3, 682–689.

119. On Minimum degree implying a graph is H-linked, with Alexandr Kostochka and Gexin Yu, *SIAM J. Discrete Math.* Vol. 20, No. 4, (2006), 829–840.

120. A new sufficient condition for Hamiltonian graphs, with Zhao, K., *Arkiv f:or Matematik*, 44 (2006), no. 2, 299–308.

2007

121. Minimum degree and the minimum size of K_2^t-saturated graphs, with J. Schmitt. *Discrete Math.* 307 (2007), 1108–1114.

122. Subdivision extendibility, with T. Whalen, *Graphs and Combinatorics* 23(2007), no. 2, 165–182.

123. On the extremal number of edges in 2-factor hamiltonian graphs, with R. J. Faudree and M.S. Jacobson. *Trends in Mathematics: Graph Theory in Paris* ed. by A. Bondy, J. Fonlupt, J-L Fouquet, J-C. Fournier, J. Alfonsin, Birkhauser Verlag, Basel/Switzerland, (2007), 139–148.

124. Graphic sequences with a realization containing a friendship graph, with M. Ferrara and J. Schmitt. *Ars Combinatoria*. Vol. 85(2007), 161–171.

125. The Chvátal-Erdös condition and 2-factors with a specified number of components. With G. Chen, K. Kawarabayashi, K. Ota, A. Saito, and I. Schiermeyer. *Discussiones Math. - Graph Theory*, 27(2007), 401–407.

126. The structure and existence of 2-factors in iterated line graphs, with M. Ferrara and S. Hartke, *Discussiones Math. - Graph Theory* 27(2007), no. 3, 507–526.

2008

127. On H-immersions, with M. Ferrara, G. Tansey and T. Whalen, *J. Graph Theory*, 57(2008), no. 3, 245–254.

128. Graphic Sequences with a realization containing a complete multipartite subgraph, with G. Chen, M. Ferrara, and J. Schmitt. *Discrete Math.* Vol 308, Issue 23, (2008), 5712–5721.

129. Decompositions of complete multipartite graphs into gregarious 6-cycles using complete differences, with J. Cho. *J. Korean Math. Soc.* 45(2008), No. 6, 1623–1634.

130. Saturation numbers for books, with R.J. Faudree and G. Chen, *Elect. J. Combin.* 15(2008), no. 1, Research Paper 118, 12pp.

2009

131. Pancyclic graphs and linear forests, with R.J. Faudree and M.S. Jacobson, *Discrete Math.* Vol. 309, Issue 5, (2009), 1178–1189.

132. Minimum degree and pan-k-linked graphs, with J. Powell, B. Wagner and T. Whalen, *Discrete Math.* Vol. 309, Issue 10, (2009), 3013–3022.

133. Disjoint hamiltonian cycles in bipartite graphs, with M. Ferrara, G. Tansey and T. Whalen. *Discrete Math.* Vol. 309 Issue 12 (2009), 3811–3820.

134. Using edge exchanges to prove the Erdös-Jacobson-Lehel conjecture, with M. Ferrara and J. Schmitt, *Bulletin Inst. Combin. Appl.* 56(2009), 73-80.

135. tK_p-saturated graphs of minimum size, with R.J. Faudree, M. Ferrara, and M.S. Jacobson *Discrete Math.* 309(2009), 5870–5876.

136. A look at cycles containing specified elements of a graph, *Discrete Math.* 309(2009), 6299-6311.

137. Saturation numbers for trees, with J.R. Faudree, R.J. Faudree and M.S. Jacobson. *Electron. J. Combin.*, **16** (2009), no. 1, Research Paper 91, 19pp.

138. Critical graphs for subpancyclicity of 3-connected claw-free graphs, with F. Pfender and T. Luczak. *J. Graph Theory* **62** (2009), no. 3, 263–278.

2010

139. Ramsey numbers in rainbow triangle free colorings, with R. Faudree, M. Jacobson and C. Magnant. *Australasian J. Combin.*, Vol. **46** (2010), 269–284.

140. Chvátal-Erdös type theorems, with J.R. Faudree, R.J.Faudree, M.S. Jacobson and C. Magnant. *Discussiones Math - Graph Theory* 30(2010), 245–256.

141. An iterative approach to graph irregularity strength, with M. Ferrara, M. Karonski and F. Pfender, *Discrete Applied Math.* 158 (2010), no. 11, 1189–1194.

142. A note on the Song-Zhang Theorem for hamiltonian graphs, with K. Zhao, *Colloq. Math.* 120 (2010), no. 1, 63-75.

2011

143. Saturation numbers for families of Ramsey-minimal graphs, with G. Chen, M. Ferrara, C. Magnant and J. Schmitt. *J. Combinatorics*, 2, no. 3, (2011), 435-455.

2012

144. Forbidden pairs for k-connected hamiltonian graphs, with G. Chen, Y. Egawa and A. Saito. *Discrete Math.* 312(2012), 938-942.

145. Distributing elements on hamiltonian cycles, with R.J.Faudree, M.S. Jacobson and C. Magnant. *J. Graph Theory*, 69, (2012), 28-45.

146. Minimum degree and disjoint cycles in claw-free graphs, with R. J. Faudree and M. S. Jacobson. *Combin. Probab. Comput.*, 21 (2012), no. 1-2, 129-139.

147. The edge spectrum of K_4-saturated graphs, with J.R. Faudree and K. Amin. *J. Combin. Math. and Combin. Comp.* 81(2012), 233-242.

148. New Ore-type conditions for H-linked graphs, with M. Ferrara, M.S. Jacobson, F. Pfender, and T. Whalen. *J. Graph Theory* 71(2012), 69-77.

149. Edge spectrum of saturation numbers for small paths, with W. Tang, E. Wei and C.Q. Zhang. *Discrete Math.* 312(2012), no. 17, 2682-2689.

150. Property $P_{d,m}$ and efficient design of reliable networks, with R.J. Faudree and J. Powell, *Networks* 60(2012), no. 3, 167-178.

2013

151. On the non-$(p-1)$-partite K_p-free graphs, with K. Amin, J. Faudree and E. Sidorowicz. *Discussiones Math. Graph Theory* 33(1)(2013), 9-25.

152. Minimum degree and disjoint cycles in generalized claw-free graphs, with R.J. Faudree and M. S. Jacobson. *European J. Combin.* 4(2013), 875-883.

153. Independent cycles and chorded cycles in graphs, with P. Horn and K. Hirohata. *J. Combin.* 4(2013), no. 1, 105-122.

154. Saturation numbers for nearly complete graphs, with R. J. Faudree, *Graphs and Combin.* 29(2013), no. 3, 429-448.

155. A note on powers of cycles in generalized claw-free graphs, with R. J. Faudree. *Discrete Math.* 313(2013), no. 19, 1915-1917.

156. Pancyclicity of 4-connected { Claw, Generalized Net }-free graphs with M. Ferrara, S. Gehrke, C. Magnant, J. Powell. *Discrete Math.* 313(2013), no. 4, 460-467.

157. Precise location of vertices on hamiltonian cycles, with R.J.Faudree, *Discrete Math.* 313(2013), no. 23, 2772-2777.

158. Weak saturation numbers for sparse graphs, with R.J. Faudree and M.S. Jacobson. Discuss. Math. Graph Theory 33(2013), no. 4, 677-693.

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159. Recent Advances on the Hamiltonian Problem: Survey III, *Graphs and Combinatorics* 30(2014), no. 1, 1-46.

160. Multiply chorded cycles, with P. Horn and C. Magnant. *SIAM J. Discrete Math*, 28(2014), No. 1, 160-172.

161. 3-connected $\{K_{1,3}, P_9\}$-free graphs are hamiltonian connected, with Q. Bian, P. Horn, S. La Fleur, S. Janiszewski, and P. Wrayno. *Graphs and Combinatorics* 30(2014), no. 5, 1099-1122.

162. Weak saturation numbers for multiple copies, with R. Faudree. *Discrete Math.* 336(2014), 1-6.

2015

163. Vertex-disjoint chorded cycles of the same length, with G. Chen, K. Hirohata, K. Ota and S. Shan. *SIAM J. Discrete Math.* 29(2015), no. 2, 1030-1041.

164. On Independent Doubly Chorded Cycles, with K. Hirohata and P. Horn. *Discrete Math.* 338(2015), no. 11, 2051-2071.

165. Results and problems on saturation numbers for linear forests, with G. Chen, J. R. Faudree, R. J. Faudree, and M. S. Jacobson. *Bull. ICA* 75 (2015), 29-46.

2016

166. Chorded Cycles, with M. Cream, R. J. Faudree and K. Hirohata. *Graphs & Combinatorics* 32(2016), no. 6, 2295-2313.

167. Minimum degree and even cycle lengths, with R.J. Faudree, M.S. Jacobson, and C. Magnant. *Bull. Inst. Combin. Appl.* 77(2016), 59-70.

2017

168. Minimum degree and dominating paths, with R. J. Faudree, M. S. Jacobson and D. B. West, *J. Graph Theory* 84(2017), no. 2, 202-213.

169. A note on Extending Bondy's meta-conjecture, with M. Cream and K. Hirohata. *Austral. J. of Combin.* 67(2017), 463-469.

170. Placing vertices at precise locations on a hamiltonian cycle, with C. Magnant and P. S. Nowbandegani. *Graphs & Combin.* 33(2017), no 2, 369-385.

171. Saturation spectrum of paths and stars, with J. Faudree, R. Faudree, M. Jacobson and B. Thomas. *Discussiones Math Graph Theory* 37(2017), no. 3, 811-822.

172. Forbidden subgraphs for chorded Pancyclicity , with M. Cream and V. Larsen. *Discrete Math.* 340(2017), no. 12, 2878-2888.

2018

173. On vertex disjoint cycles and degree sum conditions, with K. Hirohata and A. Keller. *Discrete Math.* 341(2018), no. 1, 203-212.

174. On $K_t - e$ Saturated graphs, with J. Fuller. *Graph and Combin.* 34(2018), no. 1, 85-95.

175. Cycles with a chord in dense graphs, with G. Chen, X. Gu, and A. Saito. *Discrete Math.* 341(2018), no. 8, 2131-2141.

176. Degree sum and vertex dominating paths, with J. R. Faudree, R.J. Faudree, P. Horn and M. S. Jacobson. *J Graph Theory* 89(2018), no. 3, 250-265.

177. A generalization of a result of Catlin: 2-factors in line graphs, with Emily Hynds. *Australasian J. Combin.* 72 (2018), 164-184.

178. Extending vertex and edge pancyclic graphs, with M. Cream and K. Hirohata. *Graphs Combin.* 34(2018), no. 6, 1691-1711.

2019

179. Gaps in the saturation spectrum of trees, with P. Horn, M. S. Jacobson and B. Thomas. *Discuss. Math. Graph Theory* 39(2019), no. 1, 157-170.

180. On a conjecture on spanning trees with few branch vertices, with W. Shull. *J. Combin. Math. Combin. Computing* 108(2019), 259-283.

2020

181. On spanning trees with few branch vertices, with W. Shull. *Discrete Math.* 343 (2020), no. 1, 111587, 7pp.

182. Spanning bipartite graphs with high degree sum in graphs, with G. Chen, S. Chiba, X. Gu, A. Saito, M. Tsugaki and Tomoki Tamashita. *Discrete Math.* 343 (2020).

183. On independent triples and vertex-disjoint chorded cycles in graphs, with K. Hirohata and A. Keller. *Australasian J. Combin.* 77(3), 355-372 (2020).

184. On degree sums comditions and vertex-disjoint chorded cycles, with B. Elliott and K. Hirohata. *Graphs & Combin.* 36(2020), no. 6, 1927–1945.

2022

185. Structure of sparse k-critical graphs, with V. Larsen and L. Postle, JCT B. Vol. 156, (2022) pp194–222.

186. Results and Problems On Chorded Cycles: A Survey, *Graphs and Combin.* 38 (2022), no. 6, 189.

2023

187. On the saturation spectrum of odd cycles, with A. Kündgen and M. Kang. *J. Graph Theory (2023)*, 1-12. https://doi.org/10.1002/jgt.23052.

188. On fan saturated graphs, with J. Fuller, *INVOLVE* Vol. 16, No. 4, 2023, pp 637–657.

2024

189. Chorded pancyclicity with distance two degree condition and doubly chorded pancyclicity, with M. Cream and K. Hirohata. *Australasian J. Combin.* Vol. 88(1) (2024), pp 97–108.

190. Chorded k-pancyclic and weakly k-pancyclic graphs, with M. Cream. *Discussiones Mathematicae Graph Theory*, 44 (2024), pp 337–350.

191. On vertex-disjoint chorded cycles and degree sum conditions, with K. Horohata and A. K. Rorabaugh. *J. Combin. Math Combin. Comp.* Vol 120: pp 75–90. DOI:10.61091/jcmcc120-007.

Papers in Preparation:

192. Extending the Chvátal-Erdös Theorem, with A. Bickle and M. Cream.

193. Fan type result for disjoint cycles and chorded cycles, with K. Hirohata.

194. Local Connectivity, Forbidden Subgraphs, and Chorded Weakly Pancyclic Graphs, with M. Cream.

195. Gaining Information Using Graph Theory. Book chapter for: The Age of Inference: Leading in Times of Uncertainty.

Supplementary Material:

Professional Services:

Conference Organization:

- Organizer, Special Session on Extremal Graph Theory, Southeastern Conference on Combinatorics, Graph Theory, and Computing. Florida Atlantic University, March 6-10, 2023.

- Book review for Princeton University Press on **Graph Theory in America: The First Hundred Years**, by Robin Wilson, John J. Watkins, and David J. Parks, 2021.

- Assistant, AROHE Conference, Emory University, Oct. 8-9, 2018.

- Organizer, Special Session on Recent Advances in Graph Theory, Southeastern Conference on Combinatorics, Graph Theory and Computing, Florida Atlantic University, March, 2016.

- Organizer, Atlanta Lecture Series in Combinatorics and Graph Theory XIII, November 1-2, 2014.

- Organizer, Atlanta Lecture Series in Combinatorics and Graph Theory X, November 2-3, 2013.

- Reviewer, NSA and NSF grants, 2013, 2014.

- Organizer, Atlanta Lecture Series in Combinatorics and Graph Theory VII, November 3-4, 2012.

- Research Mentor for visiting students Kenta Ozki, Japan and Dongqin Chen, China.

- Co-Organizer, Conference on Cycles, Vanderbilt University, May 30 - June 4, 2012.

- Organizer, Atlanta Lecture Series in Combinatorics and Graph Theory V, Emory University, Feb. 25-26, 2012.

- Reviewer, NSA grants, 2011-2012.

- Organizing Committee, RSA'2010, Emory University, Atlanta, GA, May 17-21, 2010.

- Organizer, Atlanta Lecture Series in Combinatorics and Graph Theory I, Nov. 13-14, 2010.

- Organizer, 20th Cumberland Conference, Emory University, May 17-19, 2007.

- Organizer, SIAM Minisymposium - Results in Structural Graph Theory, May 12-15, 1999, Atlanta.

- Co-Organizer (with R.J. Faudree), DIMACS DREI Conference on Paths and Cycles, July 20-24, 1998, Rutgers University.

- Director, 10th Cumberland Conference, May 16-18, 1997.

- Director, 4th Cumberland Conference, May 16-18, 1991, Emory University.

- Co-Organizer, Special Session on Graph Theory, National Winter Meeting of the Mathematical Association of America and the American Mathematical Society, (with M. S. Jacobson), January, 1988, Atlanta, Ga.

- Co-director of NSF - CBMS Regional Conference on Extremal Graph Theory, June 18-22, 1984, Emory University, Principal Speaker: Béla Bollobás.

- Organizer, Special Session on Graph Theory, Southeastern Section Meeting of the Mathematical Association of America, April, 1983, Charleston, SC.

- Co - Director of Emory's Conference on Combinatorics, May, 1982.

- Assistant, Southeastern Section Meeting of the Mathematical Association of America, April, 1982, Atlanta, GA.

- Assistant Director of the 3rd International Conference on the Theory and Applications of Graphs, May, 1976, Kalamazoo, Mi.

Other Activities:

- Editor of the Graph Theory Newsletter, 1977 - 1978.

- Tenure and promotion reviews for a variety of universities.

- Consultant - Program reviews in mathematics, computer science and statistics, Memphis State University, 1988.

- Text reviewer in mathematics and computer science for: Wadsworth, Addison-Wesley, Harper & Row, Benjamin/Cummings, West, and Worth Publishing Companys.

- Reviewer for the Discrete Mathematics Section of the MAA Basic Library List.

- Grant Reviewer: NSF-Algebra and Number Theory, NSF-VWP Program, NSA - Discrete Mathematics Program, National Research Council - Research Leave Program, National Research Council of Canada, National Research Foundation of South Africa.
  NSF Discrete Math. Panel, December, 2005. NSA Discrete Math. Panel, 2007-2008, 2008-2009, 2009-2010.

- Referee: J. Graph Theory, Amer. Math. Monthly, J. Combin. Theory A & B, Discrete Math., SIAM J. Discrete Math., Ars Combinatoria, Graphs and Combinatorics, JCMCC, Bull. I.C.A. and many others.

- Outside reader for Ph.D. Theses, Western Michigan University, Arizona State University, Paris SUD and others.

- National Faculty Workshop for Atlanta Middle School Mathematics Teachers, August, 1996.

- Danish Doctorate Committee for Jorgen Bang-Jensen, 2001-2002.

- Emory TATTO Summer Course: Lectures on Teaching with Technology, Writting as a teaching tool in the sciences, Strategies for Engagement, Microteaching.

- President Le Jurie, Ph.D. defense, Wang Guanghui, Beijing, China, July 4, 2007.

- MAA Distinguished Teaching Award Selection Committee, SE Section 2009-2011. Chair, 2010-2011.

- Filmed for a segment of Discoveries and Breakthroughs Inside Science, news segment. Fall 2010.

Ph. D. Theses Directed:

1. Joseph Sherr, General and connected ramsey theory, 1987.

2. Terri Lindquester, The effects of distance and adjacency conditions on hamiltonian graphs, 1988.

3. F. Glenn Acree, Hamiltonian problems and the forbidden subgraph method, 1994.

4. John Harris, Forbidden triples of subgraphs and traceability, 1995.

5. Blayne Carroll, Subgraph transformations: A generalization of line graphs, 1995.

6. Allen Fuller, On $\{K_{1,3}, Z_2\}$-free graphs, 1996.

7. Jill Faudree, 2-Factors and k-orderability in graphs, 1998.

8. Allison Wolf, A bound on the chromatic number of graphs determined by forbidden subgraphs, 1999.

9. Emily Hynds, 2-Factors and line graphs, 2000.

10. Jason Hunt, Forbidden subgraphs in pancyclic graphs, 2001.

11. Florian Pfender, Four problems in extremal graph theory, 2002.

12. Thor Whalen, Degree conditions and relations to distance, extendibility, and levels of connectivity in graphs, 2003.

13. John Schmitt, On potentially P-graphic degree sequences and saturated graphs, May, 2005.

14. Michael Ferrara, The degree stripping method for potentially H-graphic sequences, August 2005.

15. Gerry Tansey, Strong connectivity and cycles in graphs, August, 2005.

16. Charles Brian Crane, Forbidden subgraphs and (k, m)-pancyclic graphs, August, 2005.

17. Jeff Powell, Two problems concerning connectivity in graphs, August, 2006.

18. Brian Wagner, Subgraph sequences in graphs and digraphs, August, 2006.

19. Colton Magnant, Partitions of graphs under distance constraints, May, 2008.

20. Silke Gehrke, Hamiltonicity and pancyclicity of 4-connected claw-free graphs, August 2009.

21. Kinnari Patel Amin, The Edge Spectrum of K_t-Saturated Graphs, August, 2010.

22. Paul Wrayno, On the number of edges in 2-factor isomorphic graphs, August, 2011.

23. Susan Janiszewski, 3-Connected, claw-free, generalized net-free graphs are hamiltonian, May, 2012.

24. Megan Cream, On Chorded Cycles, May 2015.

25. Victor Larsen, On k-Critical Graphs, May 2015.

26. Jessica Fuller, On Saturation Spectrum, May 2017.

27. Warren Shull, On spanning trees with few branch vertices, May 2018.

28. Ariel Keller, On Chorded Cycles, and degree conditions, May 2018.

Masters Theses Directed:

1. Donald Hayes, A linear algorithm to test planarity, 1982.

2. Warren Dranit, The maximization of flows in networks, 1982.

3. Billy White, A study of selected job scheduling algorithms, 1983.

4. Greg Smith, Search procedures on labeled graphs, 1983.

5. Carolyn Weber, The graph isomorphism problem, 1984.

6. Julia Torbert, The bandwidth reduction problem, 1984.

7. Joseph Sherr, Graph matching algorithms, 1986.

8. Jung Cho, Transitive orientation and recognition of comparability graphs, 1986.

9. Daniel Huntington, Domination in graphs, 1986.

10. Mohammed Oumarane, Relational data bases and normal forms, 1987.

11. Djamal Bennacer, On the theory and applications of the network simplex method, 1987.

12. Holly Heath, On the trail of eulerian circuits, 1988.

13. Chang Gee, PQ-tree planarity testing, 1989.

14. Raymond Leung, A study of graph coloring algorithms, 1989.

15. Wayne Standard, A comparison of two algorithms for finding hamiltonian cycles in random graphs, 1989.

16. Gary Moland, A probabilistic approach to finding hamiltonian paths in random graphs, 1992.

17. Virginia Wright, n-Tuple vertex graphs, 1992.

18. David Weinreich, On the structural properties of n-tuple vertex graphs, 1993.

19. Tonya Jones, The structure of maximal matchings in graphs, 1993.

20. Julie Sult, Hamiltonian paths and cycles in vertex transitive graphs, 1994.

21. Greg Shapiro, On the traveling salesman problem, 1996.

22. Laura Bass Lowery, Degree sequences and graph properties, 1998.

23. Wiebka Wittmuess, Random regular graphs and contiguity, (codirected with Michal Karonski) 2002.

24. Andrzej Dudek, Planar ramsey numbers, 2006 (co-directed with V. Rödl).

25. Jake McMillen, Combinatorial Game Theory with Applications to Go End Games, August, 2010.

26. Xi Yu, Analyzing the Stability of Banking Networks with Methods of Graph Theory, co-directed with Martin Keller-Ressel, Technical University of Berlin, 2015.

Honors Theses Directed:

- Carolyn Weber, Lossless joins in relational data bases, 1982.

- Alexandra Laub, Greedy algorithms, 1986.

- Marc Ochs, An introduction to graph ramsey theory, 1992.

Invited Talks:

- Colloquium, Emory University, Feb., 1979.

- Colloquium, Western Illinois University, March, 1979.

- Colloquium, Franklin and Marshall College, March, 1979.

- Colloquium, Clemson University, March, 1980.

- Fourth International Conference on the Theory and Applications of Graphs, Western Michigan University, June, 1980.

- Colloquium, University of Louisville, November, 1980.

- Special Session on Graph Theory, Southeastern Section Meeting of the MAA, The Citadel, Charleston, SC, April, 1981.

- Session on Combinatorics, Southeastern Section Meeting of the MAA, Emory University, Atlanta, GA, April, 1982.

- Mini - Conference on Ramsey Theory, University of Louisville, July, 1983.

- Fifth International Conference on the Theory and Application of Graphs, Western Michigan University, June 4-8, 1984.

- Colloquium, University of Louisville, June 1, 1984.

- 820th Meeting of the American Mathematical Society, Mobile, AL, May 3-4, 1984.

- Colloquium, Mercer University, Macon, GA, April, 1985.

- Colloquium, Western Carolina University, April, 1985.

- Colloquium, Memphis State University, Oct. 1986.

- SIAM Southwest Regional Conference, North Texas State University, Oct. 1986.

- Clemson Mini-Conference on Discrete Mathematics, Clemson University, Oct., 1987.

- Annual Meeting of the Georgia Academy of Science, Augusta, GA, April, 1988.

- Colloquium, Morehouse University, Atlanta, GA, April, 1988.

- Sixth International Conference on the Theory and Application of Graphs, Western Michigan University, May-June, 1988.

- University of Vermont Workshop on Combinatorics and Graph Theory, Burlington, VT, July, 1988.

- O.N.R. Workshop on Networks, Clemson University, August, 1988.

- Colloquium, Rhodes College, Memphis, TN, November 14, 1988.

- Colloquium, Memphis State University, November 15, 1988.

- Second Cumberland Conference, Memphis State University, May, 1989.

- The Second International Conference on Graph Theory, San Francisco, July, 1989.

- Colloquium, Spellman College, Atlanta, GA, Feb. 27, 1990.

- Theoretical Computer Science Seminar, Georgia Tech., Atlanta, GA, Feb. 14, 1992.

- 5-th Cumberland Conference, East TN State University, May, 1992.

- NSF Conference on Hamiltonian Graphs, University of Louisville, May, 1992.

- 7-th International Conference on Graph Theory, Western Michigan University, June, 1992.

- 881-st meeting of the American Mathematical Society, Howard University, Washington, D.C., April 17-18, 1993.

- 890-th Meeting of the American Mathematical Society, University of Kentucky, Lexington, Kentucky, March 18-19, 1994.

- SIAM Meeting on Discrete Math., Albuquerque, NM, June, 1994.

- 24th Manitoba Conference on Combinatorial Mathematics and Combinatorial Computing, University of Manitoba, Oct. 1-2 1994.

- Colloquium, Georgia State University, Nov. 4, 1994.

- 101st Annual Meeting of the AMS, Special Session on Graph Theory, Jan. 1995.

- Colloquium, Mathematics, Georgia Tech., April 6, 1995.

- Colloquium, North Dakota State University, June 15, 1995.

- Colloquium, Wake Forest University, October 3, 1995.

- Combinatorics Seminar, Wake Forest University, Oct. 5, 1995.

- Clemson mini-Conference on Discrete Mathematics, Clemson University, Oct. 13, 1995.

- Combinatorics Seminar, University of Louisville, November 3, 1995.

- AMS-SMM Joint Mathematics Meeting, Guanajuato, Mexico, Nov. 30, 1995.

- 9th Cumberland Conference, University of Mississippi, May 24-26, 1996.

- Paul Catlin Memorial Workshop, Western Michigan University, June 1-2, 1996.

- 8th International Conference on Graph Theory, Combinatorics and Applications, Western Michigan University, June 3-7, 1996.

- AMS regional meeting - University of Memphis, March 21-22, 1997.

- Principle Speaker, North Carolina Mini-Conference of Discrete Mathematics, Wake Forest University, April 18, 1997.

- AMS Sectional Meeting, Louisville, KY, March 20-21, 1998.

- Colloquium, Georgia State University, April 3, 1998.

- 11th Cumberland Conference, East Tennessee State University, May, 1998.

- DIMACS, DREI Week on Paths and Cycles, Plenary talk, Rutgers University, July 26, 1998.

- Colloquium, Appalachian State University, Oct. 8, 1998.

- AMS Sectional Meeting, Special Session on Graph Theory, Wake Forest University, Oct. 9-10, 1998.

- Colloquium, West Virginia University, Oct. 22, 1998.

- ACOSTA, Plenary Talk, Oaxaca, Mexico, Nov. 29-Dec. 4, 1998.

- AMS Sectional Meeting, University of Illinois, March 18-21, 1999.

- AMS Sectional Meeting, University of Nevada, Las Vegas, April 10-11, 1999.

- British Combinatorial Conference, University of Kent, Canturbury England, July 12-16, 1999.

- Colloquium, Western Michigan University, Oct. 27, 1999.

- Seminar, Western Michigan University, Oct. 28, 1999.

- XXXII Mighty Meeting, Indiana University-Purdue University, Fort Wayne, IN, Oct. 30, 1999.

- 9th International Conference on Graph Theory, Combinatorics and Applications, Western Michigan University, June 5-9, 2000 (Principle Lecture).

- Workshop on Graph Decompositions, Simon Fraser University, Vancouver, B.C., June 19-30, 2000 (two 1-hour lectures).

- AMS Sectional Meeting, University of Nevada Las Vegas, April 21-22, 2001.

- Cumberland Conference, University of Memphis, May 17-19, 2001.

- University of Southern Denmark, Odense, Denmark, Jan. 17, 2002.

- Colloquium, Middle Tennessee State University, Jan. 30, 2002.

- University of Memphis, Erdös Lectures, March 2-3, 2002.

- AMS-MAA joint regional meeting, Georgia Tech., March 8, 2002.

- Cumberland Conference, University of Mississippi, May 17-19, 2002.

- S.I.A.M. Discrete Math Meeting, San Diego, August 11-14, 2002.

- S.U.N.Y. Fredonia, Fredonia, N.Y., Colloquium, Oct. 4, 2002.

- Samford University, Birmingham, AL, Colloquium, Oct. 8, 2002.

- Joint M.A.A. and S.I.A.M. regional meeting, Clemson University, March 27-28, 2003 (special session on Graphs and Combinatorics).

- A.M.S. regional meeting, Indiana University, Bloomington, IN, April 4-6, 2003, special session on Graph Theory.

- Cumberland Conference, Georga State University, May 15-17, 2003.

- Workshop and Conference on Graph Theory, Budapest, Hungary, June 16-27, 2003.

- Colloquium, University of Colorado at Denver, Sept. 30, 2003.

- Principle Lecture, CTC Teaching Retreat, March 20-21, 2004.

- Cumberland Conference, Middle Tennessee State University, May 20-22, 2004.

- SIAM Conference on Discrete Math., Nashville, TN, June 13-16, 2004, Special Session on Cycles in Graphs.

- Graph Theory 2004 - A Conference in memory of Claude Berge, Universite Pierre et Marie Curie, Paris, July 5-9, 2004.

- AMS Sectional Meeting, Vanderbilt University, Oct. 16-17, 2004, Special Session on Graph and Matroid Theory.

- Joint Winter meeting of AMS, MAA, SIAM, Special Session on Graphs and Matroids, Atlanta, Jan. 5-8, 2005.

- Seminar, University of Illinois, Urbana, IL, Feb. 15, 2005.

- Principle Lecture: Cumberland Conference, University of Alabama Huntsville, May 12-14, 2005.

- Graph Theory with Altitude Conference, University of Colorado at Denver, May 20-23, 2005.

- Japan Workshop on Graphs and Combinatorics, June 20-25, 2005.

- Seminar, Beijing Institute of Technology, July 2, 2005.

- Principle Lecture: Wuhan International Conference on Graph Structures, Wuhan China, July 4-8, 2005.

- Colloquium, Highpoint University, Sept. 28, 2005.

- Principle Lecture: Clemson Mini-Conference, Oct. 14-15, 2005.

- Colloquium, Western Michigan University, Oct. 28, 2005.

- Cumberland Conference, East Tennessee State University, May 18-20, 2006.

- SIAM Conference on Discrete Math, University of Victoria, June 25-28, 2006.

- Principle Lecture, Japan Workshop on Graphs, Ibaraki University, Hitachi, Japan, August 1-4 2006.

- Principle Lecture, Cycles and Colorings in Graphs Workshop, Tatranska Strba, High Tatras, Slovakia, Sept. 3-8, 2006.

- Colloquium, Clark Atlanta University, Oct. 19, 2006.

- Invited lecture, ACCOTA06, Puerto Vallarta, Mexico, Dec. 3-8, 2006.

- Invited lecture, AMS Sectional Conference, Miami of Ohio, Oxford, Ohio, March 16-17, 2007.

- Invited lecture, Graph Theory and Combinatorial Algorithms (GTCA07), Academy of Mathematics, Beijing, China, July 1-3, 2007.

- Colloquium, Three Gorges University, Yichang, China, July 6, 2007.

- Colloquium I, China Central Normal University, Wuhan, China, July 11, 2007.

- Colloquium II, China Central Normal University, Wuhan, China, July 16, 2007.

- AMS Sectional Meeting, Special Session on Graph Theory, Middle Tennessee State University, Nov. 3-4, 2007.

- Special Session in Graph Theory, Joint National Meeting of AMS, MAA, SIAM, San Diego, California, Jan. 5-9, 2008. (Strong Connectivity in Graphs)

- Dinner Lecture, Alabama MAA State Dinner, Feb. 1, 2008. (Teaching a Freshman Seminar or How I gained an International Reputation as a Gambler)

- Special Session in Graph Theory, 32nd SIAM SEAS meeting, Orlando, FL, March 14-15, 2008. (Distributing Vertices on Ham. Cycles)

- Colloquium, Furman University, Furman, SC, April 10, 2008. (Mathematics and Games)

- 21st Cumberland Conference, Vanderbilt University, Nashville, TN, May 14-16, 2008. (Distributing Vertices on Ham. Cycles)

- SIAM Conference on Discrete Math., University of Vermont, Burlington, VT. June 16-19, 2008. (Strong Connectivity in Graphs)

- Joint AMS - Brazilian Math. Society Meeting, Rio de Janeiro, June 4-7, 2008. (Distributing Vertices on Ham. Cycles)

- Graph Theory at Sandbjerg Manor, Sonderborg, Denmark, August 18-23, 2008. (Distributing Vertices on Ham. Cycles)

- AMS Sectional Meeting, Special Session on Graph Labelings, Embeddings and Colorings, Western Michigan University, Oct. 17-19, 2008. (Graph Saturation)

- AMS Sectional Meeting, Special Session on Graph Theory, University of Alabama Huntsville, Oct. 24-26, 2008. (Graph Saturation)

- ACCOTA 2008, Oaxaca, Mexico, Dec. 8-12, 2008. (Graph Saturation)

- MAA Southeastern Section Meeting, Invited General Session Lecture, Belmont College, Nashville, TN, March 13-15, 2009. (Never Give a Non-Mathematician an Even Break)

- AMS Sectional Meeting, University of Illinois, March 26-28. 2009. (Graph Saturation)

- S.I.A.M. Annual Meeting, Minisymposium on Paths, Cycles and Other Structures, Denver, CO, July 6-10, 2009. (Strong Hamiltonian Properties in 4-Connected Graphs)

- Workshop on Cycles, University of Colorado Denver, July 11-12, 2009. Invited Principal Lecture (Placing Elements on Cycles)

- EUMMA Lecture, Emory University, Sept. 15, 2009, (Never Give a Non-Mathematician an Even Break)

- Seminar, University of Colorado Denver, Oct. 10, 2009, Forbidden Subgraphs and Hamiltonian Properties of Graphs.

- Colloquium, William and Mary University, Oct. 23, 2009, Forbidden Subgraphs and Hamiltonian Properties of Graphs.

- Special Session, AMS Sectional Meeting, Florida Atlantic University, Oct. 31, 2009, On Saturation Numbers.

- Colloquium, West Virginia University, March 5, 2010, On Saturation Numbers.

- Section Lecture, MAA Southeast Section Meeting, Elon College, March 25-27, 2010. Mathematics and Marriage - Don't Call the Lawyers Yet!

- Plenary Lecture, Graduate Student Combinatorics Conference, Auburn University, April 3, 2010. On H-Linked Graphs - Questions About Strong Connectivity.

- AMS Special Session on Probabilistic and Extremal Combinatorics, Macalester College, St. Paul, MN, April 10-11, 2010. On Saturated Graphs. (Invited)

- Cumberland Conference, University of Mississippi, May 20-22, 2010, H-Linked Graphs - Questions on Strong Connectivity.

- Connectivity and Forbidden Families for Hamiltonian Properties, SIAM Discrete Math. Meeting, Special Session on Paths and Cycles, Austin, Tx, June 14-17, 2010.

- Math Club Presentation, Georgia State University, September 8, 2010. Never Give a Non-mathematician an Even Break.

- Colloquium, West Virginia University, Septmeber, 2010, On H-Linked Graphs - Questions About Strong Connectivity.

- Research Seminar, University of Colorado Denver, Oct. 27, 2010. On H-Linked Graphs - Questions About Strong Connectivity. Invited hour lecture.

- Math Club Lecture, University of Colorado Denver, Nov. 1, 2010. Never Give a Non-Mathematician an Even Break. Invited hour lecture.

- AMS Sectional Meeting, University of Richmond, Nov. 6-7, 2010, On Independent Cycles.

- AMS Special Session on Applied Combinatorics, Georgia Southern University, Statesboro, GA, March 12-13, 2011.

- AMS Special Session, University of Nevada Las Vegas, April 30-May 1, 2011. Minimum degree and disjoint cycles in claw-free graphs.

- Cumberland Conference, University of Louisville, May 2011. Minimum degree and disjoint cycles in claw-free graphs.

- AMS Sectional Meeting, Special Session on Advances in Graph Theory, Wake Forest University, September 24-25, 2011, More about cycles in claw-free graphs.

- EUMMA (Emory Undergraduate Math Majors Association), Math and Marriage - Don't Call the Lawyers yet, Oct. 4, 2011.

- Symposium on Math in Sports, Western Kentucky University, Keynote Lecture: Rating Player Performance - The Oldest Argument in Sports, Oct. 28-29, 2011. Invited plenary lecture.

- Special Session - Joint Winter Meetings of AMS, MAA Boston, MA, The Many Faces of the Matthews - Sumner Conjecture, Jan. 7, 2012.

- Special Session, AMS Sectional Meeting, George Washington University, Washington, D.C., On Chorded Cycles, March 17, 2012.

- Colloquium, Georgia Southern University, Statesboro, GA, March 29, 2012, Ties Between Connectivity and Cycles in Graphs.

- MAA State Luncheon, Georgia Southern University, Statesboro, GA, March 30, 2012, Rating Player Performance - The Old Argument of Who is Best. Invited hour lecture.

- 25th Cumberland Conference, East Tennessee State University, Johnson City, TN, Conference Banquet Talk, May 11, 2012.

- 25th Cumberland Conference, On Chorded Cycles, May 12, 2012.

- Conference on Cycles, Vanderbilt University, May 30-June 2, 2012, On Chorded Cycles.

- Kennesaw State University Math Circle (summer progam for high school students), July 18, 2012, Never Give a Non-Mathematician an Even Break. Invited hour lecture.

- Special Session, AMS Sectional Meeting, Rochester Institute of Technology, Rochester, NY, Sept. 22-23, 2012, On Chorded Cycles.

- Special Session, AMS Sectional Meeting, University of Akron, Akron, Ohio, Oct. 20-21, 2012, On Multiply Chorded Cycles.

- Southeastern Conference on Combinatorics, Graph Theory and Computing, Florida Atlantic University, Boca Raton, FL, March 4-8, 2013. (Two invited hour plenary lectures: Connectivity in Path and Cycle Problems I - Placing Elements on Paths and Cycles; Conectivity in Path and Cycle Problems II- k-Linkage, H-Linkage and H-immersion.)

- Kentucky MAA Meting, Transylvania University, Lexington, KY, April 6, 2013, Math and Marriage - Don't Call a Lawyer Yet. (invited hour plenary lecture).

- AMS Sectional Meeting, University of Colorado, Boulder, CO, April 13-14, 2013. Forbidden Subgraphs and Hamiltonian-Connected Graphs. Invited for special session on graph theory.

- Ontario Combinatorics Workshop, Nipissing University, North Bay, Ontario, Canada, May 15-16, 2013. The Hunt for the Dreaded Chorded Cycle, invited hour plenary lecture.

- Alavi Memorial Symposium, Western Michigan University, Oct. 24-25, 2013, The Hunt for the Dreaded Chorded Cycle.

- Special Session on Extremal Graph Theory, Joint National Winter Meeting, Baltimore, MD, Jan. 15, 2014, More on Chorded Cycles.

- AMS Sectional Meeting, University of Tennessee, Knoxville, TN, March 21-23, 2014, More On Chorded Cycles.

- Erdös 101 Meeting, University of Memphis, Memphis, TN, March 27-29, 2014, On Chorded Cycles. Invited lecture.

- EUMMA Talk (invited for Emory Undergraduate Math Major Association) Never Give a Non-Mathematician an Even Break, April 22, 2014.

- SIAM Discrete Math Meeting, June 16-19, 2014, Invited talk for the Minisymposium on Paths and Cycles, On Chorded Cycles.

- Kennesaw State University, Summer Math Camp for High School Students, Never Give a Non-Mathematician an Even Break, June 25, 2014.

- Seminar in Discrete Math., Kennesaw State University, October 2, 2014, On Graph Saturation.

- AMS Sectional Meeting, University of North Carolina Greensboro, Greensboro, NC, November 8-9, 2014. Distributing vertices on Hamiltonian cycles. Invited for special session.

- AMS Sectional Meeting, University of Nevada Las Vegas, April 18-19, 2015, Minimum degree and dominating paths.

- AMS Sectional Meeting, University of Memphis, Oct. 17-18, 2015. Invited talk for Special session on Extremal Graph Theory, Minimum degree and dominating paths.

- EUMMA Lecture, Math and Marriage - Don't Call a Lawyer Yet, Nov. 4, 2015.

- Discrete Math. Seminar, University of Mississippi, Nov. 12, 2015. On Chorded Cycles.

- Auburn Conference on Designs, Graphs, and Codes, January 29-31, 2016. Invited lecture: On Chorded Cycles.

- Colloquium, Middle Tennessee State University, Feb. 18, 2016, On Chorded Cycles.

- AMS Sectional Conference, Special Session on Theory and Applications of Graphs, University of Georgia, March 5-6, 2016, Degree Sum and Vertex Dominating Paths.

- 47th Southeastern Conference on Comb., Graph Theory, and Computing, Florida Atlantic University, Boca Raton, FL, March 7-11, 2016, Degree Sum and Vertex Dominating Paths.

- Undergraduate recruiting: Emory University, April 20, 2016, Some Unusual Applications of Mathematics.

- SIAM Discrete Mathematics Conference, Georgia State University, June 6-10, 2016, Special Session on Graph Theory, Minimum Degree and Dominating Paths.

- AMS Sectional Conference, University of Denver, Oct. 8-9, 2016, Special Session on Graph Theory, Saturation Spectrum for Graphs.

- Bernard Lecture, Davidson College, Oct. 23, 2016, Some Unusual Applications of Mathematics.

- Davidson College, Bernard Department Lecture, Oct. 24, 2016, On Chorded Cycles.

- AMS Sectional Meeting, Raleigh, NC, Nov. 12-13, 2016, Special Session talk, Saturation Spectrum for Graphs.

- Plenary talk, Kennesaw Undergraduate Research Conference, Feb. 18, 2017, Some Unusual Applications of Mathematics.

- Math Club talk, Ocee Elementary School, Alpharetta, GA, Feb. 27, 2017.

- Principle Lecture 1, Indiana Section of the MAA, Oct. 7, 2017, Some Unusual Applications of Mathematics.

- Principle Lecture 2, Indiana Section of the MAA, Oct. 7, 2017, Math and Marriage - Don't Call a Lawyer Yet.

- Plenary Lecture, Atlanta Lecture Series in Graph Theory and Combinatorics, Georgia State University, November 4, 2018, A Look at Saturated Graphs.

- Principle Lecture, Secant Conference, Cedar Crest College, Allentown PA, November 17, 2018, A Look at Saturated Graphs.

- Emory University Emeritus College Lunch Colloquium, Feb. 25, 2019, How I Gained an International Reputation as a Gambler.

- 50th Southeastern Conference on Comboinatorics, Graph Theory, and Computing. Florida Atlantic University, Boca Raton, FL. March 4, 2019, On the Saturation Spectrum of Graphs.

- AMS Sectional Meeting, Auburn University, March 15-17, 2019. Have You Ever Meta-Conjectured.

- Erdős Lecture Series, University of Memphis, September 12-14, 2019. Saturation Versus Weak Saturation.

- Mississippi Discrete Math Workshop (7th), University of Mississipp, October 26-27. Keynote Lecture: The Many Faces of Saturation.

- AMS Southeastern Sectional Meeting, University of Florida, November 2-3, 2019. Special Session: Recent Trends in Extremal Graph Theory. Degree Conditions and Disjoint Cycles in Graphs.

- Colloquium, California State University San Marcos, November 7, 2019, Graph Saturation Problems.

- The Reid Lecture (public lecture), California State University San Marcos, November 7, 2019, How I gained an International Reputation as a Gambler.

- AMS Western Sectional Meeting, University of California Riverside, November 9-10, 2019. Special Session: Topics in Extremal and Structural Graph Theory. Degree Conditions and Disjoint Cycles in Graphs.

- Spanning bipartite graphs with high degree sum in graphs. 51st Southeastern Conference on Combinatorics, Graph Theory, and Computing, March 9-13, 2020. Florida Atlantic University, Boca Raton, FL.

- The Oddball's Oddball: The Unusual Life of a Mathematical Genius, Emory University Emeritus Colleges Zoom Lunch Colloquium, June 22, 2020, (Zoom talk).

- The Changing Face of Graph Saturation, Zoom Seminar for Illinois State University Discrete Mathematics Group, Oct. 22, 2020, (Zoom talk).

- Extensions Under Edge Density Conditions, SECANT III, Cedar Crest College, Allentown, PA, Jan. 16, 2021, (Microsoft Teams talk).

- Corded Cycles, Discrete Math. Seminar, Georgia State University, Jan. 29, 2021, (Zoom talk.)

- Extensions Under Edge Density Conditions, Special Session on Advances in Graph Theory, American Math. Society Southeastern Sectional Meeting, March 13-14, 2021, Zoom meeting.

- Chorded Cycles, Discrete Math. Seminar, Virginia Commenwealth University, March 17, 2021. (Zoom talk.)

- The Oddball's Oddball: The Unusual Life of Paul Erdős, Discrete Math. Seminar, Virginia Commonwealth University, March 24, 2021. (Zoom talk)

- Chorded Cycles, Round the World Relay in Combinatorics, Zoom meeting, June 8, 2021. (Zoom talk)

- Mathematics in Games and Puzzles, Illinois State University Undergraduate Seminar, September 30, 2021. (Zoom talk)

- Growing (While) Old: Maximizing the Multidisciplinarity of the RO Experience. Association of Retirement Organizations in Higher Education national meeting. Oct. 15, 2021, (Zoom talk).

- On the Saturation Spectrum of Odd Cycles, Cedar Crest College SECANT (Series on Exploring Combinatorics and Number Theory) conference, Jan. 15-16, 2022, (Microsoft Teams talk).

- Results on Saturation Spectrum, Virginia Commonwealth Discrete Math. Seminar, February 1, 2023 (Zoom talk).

- Finding Advantage in Blackjack, Presentation for the National Museum of Mathematics (MoMath), February 13, 2023, (Zoom presentation).

- Have You Ever Meta-Conjectured, Plenary Lecture, 54th Southeastern Conference on Combinatorics, Graph Theory, and Computing. Florida Atlantic University, Boca Raton, FL, March 6, 2023.

- Looking for Saturation in All Kinds of Places, Plenary Lecture, 54th Southeastern Conference on Combinatorics, Graph Theory, and Computing. Florida Atlantic University, Boca raton, FL, March 7, 2023.

- Saturation Spectrum of Odd Cycles, Special session, 54th Southeastern Conference on Combinatorics, Graph Theory, and Computing. Florida Atlantic University, Boca raton, FL, March 7, 2023.

- Saturation Spectrum of Odd Cycles, AMS Sectional Meeting, Georgia Tech, Atlanta, GA, March 18, 2023.

- Applications of Mathematics to Games and Puzzles, University of Pittsburgh, Sept. 14, 2023.

- Have You Ever Meta-Conjectured? Colloquium, University of Pittsburgh, Sept. 15, 2023.

- Have You Ever Meta-Conjectured? Discrete Math Seminar, Emory University, Oct. 4, 2023.

- Hve You Ever Meta-Conjectured? Discrete Math Seminar, Georgia State University, Oct. 10, 2023.

- Looking for Saturation in All Kinds of Places, Discrete Math Seminar, Virginia Commonwealth University, Richmond, VA, November 8, 2023.

- Extending Some Panclicity Results, 55th Southeastern Conference on Combinatorics, Graph Theory, and Computing. Florida Atlantic University, Boca Raton, FL, March 4, 2024.

- Math and Marriage - Don't Call the Lawyers Yet, Emory University Emeritus College Lunch Colloquium, April 29-30 (presented twice), 2024.

- Looking for Saturation in All Kinds of Places, Discrete Math. Seminar, Auburn University, Auburn, AL, Jan. 29, 2025. Zoom talk.

- Extending the Chvätal - Erdős Theorem, 56th Southern Conference on Combinatorics, Graph Theory, and Computing, Florida Atlantic University, Boca Raton, FL., March 5, 2025.

- Looking for Saturation in All Kinds of Places, Atlantic Discrete Math. Seminar, Dalhousie University, Halifax, Nova Scotia, Canada, March 12, 2025. Zoom talk.