CURRICULUM VITAE OF MARTYN RUSSELL DIXON

ADDRESS: Department of Mathematics
University of Alabama
Box 870350
Tuscaloosa, AL 35487-0350

NATIONALITY: British/ U. S. Citizen

EDUCATION

1. University of Manchester, England; October 1973-July 1976. (First class honors degree in mathematics)

2. University of Warwick, England; October 1976-September 1977 (M.Sc in pure mathematics)

3. University of Warwick, England; October 1977-September 1979. (Ph.D. in pure mathematics) Ph.D. obtained Jan. 1980

PH.D. THESIS TITLE: Formation Theory in a class of locally finite groups.

THESIS ADVISOR: Dr. S. E. Stonehewer, University of Warwick, England.

EMPLOYMENT HISTORY

1. August 1994-Present Time
   Employed as Professor of Mathematics in the Department of Mathematics, University of Alabama.

2. August 1987 - August 1994
   Employed as Associate Professor in the Department of Mathematics, University of Alabama.

3. August 1981 - August 1987
   Employed as Assistant Professor in the Department of Mathematics, University of Alabama.

4. June 1980 - August 1981
   Employed as Visiting Assistant Professor in the Department of Mathematics, Southern Illinois University, Carbondale.

5. August 1979 - May 1980
   Employed as Visiting Instructor in the Department of Mathematics, Southern Illinois University, Carbondale

COURSES TAUGHT

Precalculus Algebra & Trigonometry
Precalculus Mathematics
Introduction to Calculus

Analytic Geometry & Calculus I
Analytic Geometry & Calculus II
Analytic Geometry & Calculus III
Applied Matrix Theory
Modern Algebra I
Linear Algebra
Advanced Linear Algebra
Mathematics for Elementary School Teachers-Number and Operation
Algebraic Number Theory
Foundations of Mathematics
Differential Equations
Advanced Calculus
History of Mathematics
Discrete Mathematics
Mathematics for Elementary School Teachers-Geometry and Measurement
Probability

GRADUATE COURSES TAUGHT

Modern Algebra II
The Representation Theory of Finite Groups
Linear Groups
Infinite Groups (reading courses)
Abstract Algebra I
Graph Theory
Ring Theory
Topics in infinite groups
Coxeter Groups

	Current	Past
Number of Ph.D. Committees Served On:	2	31
Number of M.S. Committees Served On:	0	13
Undergraduate supervised (Reading Courses)	0	7
Independent study graduate students	0	12

Past Ph.D. students: Hyunyong Shin, Myron Rigsby, Yalcin Karatas, Laxmi Chatout

In addition, my Math 125 class was videotaped in Spring 1986, my Math 126 classes were videotaped in Spring 1988 and Summer 1992. My Math 227 class was videotaped in Fall 1995. This was done at the request of the Learning Skills Center. The tapes were deposited in the Learning Skills Center as an extra teaching aid for the students.

PUBLICATIONS IN JOURNALS

1. (with M.J. Tomkinson) The local conjugacy of some Sylow bases in a class of locally
   finite groups, J. London Math. Soc., (2) 21 (1980), 225-228.

2. Some topological properties of residually Cernikov groups, Glasgow Math. J., 23
   (1982), 65-82.

3. Formation theory in locally finite groups satisfying min-p for all primes p, J.
   Algebra, 76 (1982), 192-204.

4. (with Thomas Fournelle) Some properties of generalized wreath products, Comp.
   Math, 52 (1984), 355-372.

5. (with Thomas A. Fournelle) The indecomposability of certain wreath products
   indexed by partially ordered sets, Archiv der Math. 43 (1984), 193-207.

6. (with Thomas A. Fournelle) Wreath products indexed by partially ordered sets,
   Rocky Mountain J. of Math., 6 (1986), 7-15.

7. F-projectors in locally finite groups, Rocky Mountain J. of Math., 17 (1987), 59-65.

8. (with Thomas A. Fournelle) Embedding groups in generalized wreath products,
   Houston J. Math, 13 (1987) 199-202.

9. (with Thomas A. Fournelle) The construction of infinite finitely generated periodic
   groups using wreath products, J. Algebra, 115 (1988), 150-163.

10. Fitting classes of CC-groups, Proc. Edinburgh Math. Soc., 31 (1988), 475-479.

11. Certain Fitting classes of groups with min-p for all p, Arch. Math. 54 (1990), 521-
    532.

12. (with M.J. Evans) Divisible automorphism groups, Quart. J. Math Oxford (2), 41
    (1990), 179-188.

13. (with M.J. Evans) Periodic divisible-by-finite automorphism groups are finite, J.
    Algebra, 137 (1991), 416-424.

14. Countable periodic CC-groups as automorphism groups, Proc. Edinburgh Math.
    Soc., 35 (1992), 295-299.

15. (with M.J. Evans) On groups with a central automorphism of infinite order, Proc.
    Amer. Math. Soc., 114 (1992), 331-335.

16. (with E.M. Rigsby) The Sylow p-subgroups of semicomplete nilpotent groups, Proc.
    Amer. Math. Soc., 119 (1993), 341-349.

17. (with J.C. Beidleman and D.J.S. Robinson) The generalized Wielandt subgroup of a group, Canadian J. Math. 47 (2) (1995), 246-261.

18. (with M.J. Evans and H. Smith) Locally (soluble-by-finite) groups of finite rank, J. Algebra, 182 (1996), 756-769.

19. (with M.J. Evans and H. Smith) Locally (soluble-by-finite) groups with all proper non-nilpotent subgroups of finite rank, J. Pure and Appl. Algebra, 135 (1999) 33-44.

20. (with M.J. Evans and H. Smith) Locally (soluble-by-finite) groups with all proper insoluble subgroups of finite rank, Arch. Math, 68 (1997) 100-109.

21. (with M.J. Evans and H. Smith), On groups that are residually of finite rank, Israel J. Math, 107 (1998) 1-16.

22. (with M.J. Evans and H. Smith), A Tits alternative for groups that are residually of bounded rank, Israel J. Math, 109 (1999), 53-59.

23. (with I. Lyou and H. Shin), On free products in $V(Z\,S_3)$, Bull. Korean Math. Soc. 34 (1997) 637-643.

24. (with M. J. Evans, V. Obraztsov and J. Wiegold), Groups that are covered by non-abelian simple groups, J. Algebra, 223 (2000), 511-526.

25. (with M. J. Evans), Groups with the minimum condition on insoluble subgroups, Archiv Math, 72 (1999), 241-251.

26. (with M.J. Evans and H. Smith) Groups with all proper subgroups (finite rank)-by-nilpotent, Archiv Math, 72 (1999), 321-327.

27. (with M.J. Evans and H. Smith) Groups with all proper subgroups nilpotent-by-finite rank, Archiv Math 75 (2000), 81-91.

28. (with L. Kurdachenko) Locally nilpotent groups with the maximum condition on non-nilpotent subgroups, Glasgow J. Math. 43 (2001), 85-102.

29. (with M. J. Evans and H. Smith) Groups with all proper subgroups (finite rank) - by nilpotent II, Communications in Algebra 29(2001), 1183-1190

30. (with M. J. Evans and H. Smith) Groups with some minimum conditions on non-nilpotent subgroups, J. Group Theory 4(2001), 207-215

31. (with L. A. Kurdachenko) Groups with the maximum condition on non-nilpotent subgroups, J. Group Theory, 4 (2001), 75-87.

32. (with S. E. Stonehewer), The join of disjoint permutable subgroups, Communications in Algebra, 30(2002), 2967-2973.

33. (with M. J. Evans and H. Smith) Locally soluble-by-finite groups with the weak minimal condition on non-nilpotent subgroups, J. Algebra 249(2002), 226-246.

34. (with L. A. Kurdachenko) Groups with the maximal condition on non BFC-subgroups, Algebra Colloquium 10(2003), 177-193.

35. (with L. A. Kurdachenko) Groups with the maximal condition on non BFC-subgroups II, Proc. Edinburgh Math. Soc. 45(2002), 513-522.

36. (with L. A. Kurdachenko) Groups with the maximal condition on non FC-subgroups, Illinois J. Math. 47(2003), 157-172.

37. (with M. J. Evans and H. Smith) Groups with various minimal conditions on subgroups, Ukrains'kya Matematychnyi Zhurnal, 54(2002), 780-788, English transl. in Ukrainian Mathematical Journal 54(2002), 957-966.

38. (with M. J. Evans and H. Smith) On the derived length of subgroups of infinite index in soluble groups, J. Group Theory 7(2004), 127-133.

39. (with M. J. Evans and L. A. Kurdachenko) Linear groups with the minimal condition on subgroups of infinite central dimension, J. Algebra 277(2004), 172-186.

40. (with M. J. Evans and H. Smith) A finiteness condition on subgroups of large derived length, J. Algebra, 280(2004), 762-771.

41. (with M. J. Evans and H. Smith) Embedding groups in locally (soluble-by-finite) simple groups, J. Group Theory, 9(2006), 383-395.

42. (with M. J. Evans and H. Smith) Groups with all proper subgroups soluble-by-finite rank, J. Algebra, 289(2005), 135-147.

43. (with M. J. Evans and H. Smith) Locally (soluble-by-finite) groups with various restrictions on subgroups of infinite rank, Glasgow Math. J., 47 (2005), 309-317.

44. (with O. Yu Dashkova and L. A. Kurdachenko) Linear groups with rank restrictions on the subgroups of infinite central dimension, J. Pure and Applied Algebra, 208 (2007), 785-795.

45. (with M. J. Evans and L. A. Kurdachenko) Linear groups with minimality condition for some infinite-dimensional subgroups, Ukrains'kyi Matematychnyi Zhurnal, 57 (2005), 1476-1489, English transl. in Ukrainian Mathematical Journal, 57 (2005), 1726-1740.

46. (with L. A. Kurdachenko and N. V. Polyakov) On some ranks of infinite groups, Ricerche di Matematica, 56 (2007), 43-59.

47. (with M. J. Evans and H. Smith) Some countably recognizable classes of groups, J. Group Theory, 10 (2007), 641-653.

48. (with L. A. Kurdachenko and J. Otal) Linear groups with bounded action, Algebra Colloquium, Alg. Colloq. 18 (2011), 487-498.

49. (with M. J. Evans and H. Smith) Residually finite subgroups of locally nilpotent groups, J. Algebra, 320 (2008), 81-85.

50. (with L. A. Kurdachenko and I. Subbotin) On various rank conditions in infinite groups, J. Algebra and Discrete Mathematics, 4, (2007), 23-44.

51. (with M. J. Evans and H. Smith) Simple groups with prescribed local properties, J. Group Theory 12 (2009), 745-752.

52. (with I. Subbotin) Groups with finiteness conditions on some subgroup systems: A contemporary stage, Algebra and Discrete Mathematics, Number 4, 2009 (2009) 29-54.

53. (with M. J. Evans and A. N. Tortora) On totally inert simple groups, Central European J. Math. 8 (2010), 22-25.

54. (with L. A. Kurdachenko and J. Otal) On the existence of complements in a group to some abelian normal subgroups, Algebra and Discrete Mathematics, Number 1, 10 (2010), 18-41.

55. (with Z. Yalcin Karatas) Groups with all subgroups permutable or of finite rank, Central European J. Math., 10 (2012), 950-957.

56. (with Z. Yalcin Karatas) Groups with all subgroups permutable or soluble, International J. Group Theory, 2 (2013), 37-43.

57. (with L. A. Kurdachenko and J. Otal) Linear analogues of theorems of Schur, Baer and Hall, International J. Group Theory, 2 (2013), 79-89.

58. (with M. J. Evans and H. Smith) Omissible extensions of SL_2(k) where k is a field of positive characteristic, International J. Group Theory, 2(2013), 145-155.

59. (with L. A. Kurdachenko and A. Pypka) On some variants of theorems of Schur and Baer, Milan. J. Mathematics, 82 (2014), 233-241.

60. (with L. A. Kurdachenko and A. Pypka) The Theorems of Schur and Baer: a Survey International J. Group Theory, 4(2015), 21-32.

61. (with L. A. Kurdachenko and J. Otal) On groups whose factor group modulo the hypercentre have finite section p—rank, J. Algebra, 440(2015), 489-503.

62. (with L. A. Kurdachenko and J. Otal) On the structure of some infinite dimensional linear groups, Communications in Algebra, 45 (2017) 234-246.
.

63. (with L. A. Kurdachenko and N. N. Semko) On the structure of groups whose non-abelian subgroups are serial, Advances in Group Theory and Applications, 1 (2016), 77-96.

64. (with L. A. Kurdachenko, A. A. Pypka and I. Ya. Subbotin) Groups satisfying certain rank conditions, Algebra and Discrete Mathematics, 22 (2016), 184-200.

65. (with L. A. Kurdachenko and I. Ya. Subbotin) On the relationships between the factors of the upper and lower central series in some non-periodic groups, International J. Group Theory, 7 (2018), 37-50.

66. (with A. Ballester-Bolinches, S. Camp-Mora, R. Ialenti, and F. Spagnuolo) On locally finite groups whose subgroups of infinite rank have some permutable property, Annali di Matematica Pura ed Applicata. 196 (2017), 1855-1862.

67. (with Laxmi Chataut), Groups with the weak maximal condition on non-permutable subgroups, Mediterranean. J. Math, 14 (2017), Art 232 10pp.

68. (with M. Ferrara and M. Trombetti), Groups in which all subgroups of infinite rank have bounded near defect, Communications in Algebra 46 (2018), 5416-5426.

69. (with M. Ferrara and M. Trombetti), Groups satisfying chain conditions on f-subnormal subgroups, Mediterranean J. Math, 15 (2018) Art 146 11pp.

70. (with L. A. Kurdachenko and I. Ya. Subbotin), Groups whose factor group modulo the upper hypercenter is of finite 0-rank, Communications in Algebra 47(2) (2019) 553-559.

71. (with L. A. Kurdachenko and I. Ya. Subbotin), On an analogue of a theorem of P. Hall for infinite dimensional linear groups, European J. Mathematics 6(2) (2020), 577-589.

72. (with M. Ferrara and M. Trombetti), An analogue of the Wielandt subgroup in infinite groups, Annali di Matematica Pura ed Applicata, 199(1) (2020), 253-272.

73. (with M. Ferrara, Z. Y. Karatas and M. Trombetti), Groups with all subgroups permutable or soluble of finite rank, Journal of Algebra 549 (2020), 195-214.

74. (with L. A. Kurdachenko and I. Ya Subbotin), On composition factors in modules over some group rings, Turkish J. Math 43(6) (2019), 2806-2017.

75. (with L. A. Kurdachenko and I. Ya Subbotin), On certain groups with G-contrainvariant subspaces, Rocky Mountain J. Math. 50(6) (2020), 2023-2034.

76. (with L. A. Kurdachenko and I. Ya Subbotin), Some linear groups with G-core-free subspaces, Communications in Algebra 48(12) (2020), 5455-5464.

77. (with L. A. Kurdachenko and I. Ya. Subbotin), On the structure of some contranormal-free groups, Communications in Algebra 49 (2021), 4940-4946.

78. (with L. A. Kurdachenko and I. Ya. Subbotin), On conormal subgroups, International J. Algebra and Computation, 32 (2022), 327-345.

79. (with S. Atlihan and M. J. Evans), Locally graded groups with all non-nilpotent subgroups permutable, J. Algebra, 632 (2023), 62-69.

80. (with S. Atlihan and M. J. Evans), Locally graded groups with all non-nilpotent subgroups permutable II, J. Algebra, 641 (2024), 530-533.

81. (with M. Ferrara and M. Trombetti), A survey of recent results connected with subnormal subgroups, J. Iranian Math. Soc. 5 (2024), 1-19.

82. (with L. A. Kurdachenko and I. Ya. Subbotin), On the structure of some one-generator nilpotent braces, preprint.

83. (with M. J. Evans, M. Ferrara and M. Trombetti), Accessible group classes, in preparation.

PUBLICATIONS IN REFEREED CONFERENCE PROCEEDINGS

1. A conjugacy theorem for Carter subgroups in groups with min-p for all p, Algebra, Carbondale 1980, Springer Lecture Notes, 848, 161-168.

2. Automorphism of nilpotent and related groups, Groups 93 Galway/St. Andrews, LMS Lecture Note Series 211, 156-171.

3. (with J.C. Beidleman and D.J.S. Robinson) Normalizers of subnormal subgroups, Infinite Groups 94, Walter de Gruyter & Co., 23-32.

4. (with M. J. Evans and H. Smith) On groups with rank restrictions on subgroups, Groups St. Andrews 1997 in Bath, London Math. Soc. LNS 260, 237-247.

5. (with S. E. Stonehewer) The join of two disjoint soluble subgroups, both of which are permutable, Advances in Group Theory 2002 (volume in honor of R. Baer), 5-11.

6. (with M. J. Evans and H. Smith) Minimal conditions, subgroups of infinite index and Frattini subgroups, Advances in Group Theory 2002 (volume in honor of R. Baer), 129-143.

7. (with L. A. Kurdachenko) Linear groups with infinite central dimension, Groups St. Andrews 2005, LMS Lecture Notes Series 339, Cambridge University Press 2007, 306-312.

8. (with O. Yu Dashkova and L. A. Kurdachenko) Infinite dimensional linear groups with limitations on the subgroups of infinite rank, Izv. Gomel Gos Univ, 36(3), 2006, 109-123.

9. (with M. J. Evans and H. Smith) Groups with proper subgroups of certain types, Ischia Group Theory 2006 Conference Proceedings, World Scientific, 73-82

10. (with M. J. Evans and H. Smith) Some simple locally (soluble-by-finite) groups, Ischia Group theory 2008 Conference Proceedings, World Scientific, 79-89.

11. (with L. A. Kurdachenko, J. M. Munoz-Escolano and J. Otal) Trends in infinite dimensional linear groups, Groups St. Andrews 2009 in Bath, LMS Lecture Notes Series 387, Cambridge University Press 2011, 271-282.

12. Certain rank conditions on groups, Note di Matematica, 28 (2008), 153-177.

13. (with L. A. Kurdachenko and J. Otal) Linear groups with finite dimensional orbits, Ischia Group Theory 2010 Conference Proceedings, World Scientific, 131-145.

14. (with L. A. Kurdachenko) Abstract and linear groups with some specific restrictions, Biblioteca de la Revista Mat. Iberoamericana, Javier Otal 60 th birthday proceedings, 87-106.

15. Some topological methods in group theory: a retrospective, Biblioteca de la Revista Mat. Iberoamericana, Javier Otal 60 th birthday proceedings, 75-86.

16. (with V. Kirichenko, L. A. Kurdachenko, J. Otal, N. N. Semko, I. Ya Subbotin) S. N. Chernikov and the development of infinite groups, Algebra and Discrete Mathematics, 13 (2012), 169-208.

17. (with L. Chataut) Groups with the weak minimal condition on non-permutable subgroups, Infinite Groups: From the past to the future, World Scientific, Feb. 2018, 1-19.

18. (with L. A. Kurdachenko, N. N. Semko and I. Ya Subbotin), On some topics in the theory of infinite dimensional linear groups, J. Algebra and Discrete Mathematics 29 (2020), 1-32.

19. (with L. A. Kurdachenko and I. Ya. Subbotin), Generalized nilpotent braces and nilpotent groups, to appear International J. Group Theory.

NON-REFEREED PUBLICATIONS

1. Some topics in the theory of automorphism groups, Publicaciones del Seminario Matematico Garcia de Galdeano, Universidad de Zaragoza, 1990

2. Group theory: Then and now, Alabama J. Math, 19 (1995), 3-16.

3. Rank conditions in groups, Lecture Notes Series, Dipartimento di Matematica, Università degli Studi di Trento, 1995.

4. Groups with proper subgroups having prescibed properties: A survey, Dipartimento di Matematica, Universita di Napoli, 2014

5. (with L. A. Kurdachenko), On the structure of some nilpotent braces, Researches in Mathematics, 31 (2023), 23-39.

BOOKS

1. Infinite Groups and Group Rings, Proceedings of the AMS Special Session (edited jointly with J. Corson, M. Evans and F. Roehl), Series in Algebra, Vol. 1, World Scientific, 1993.

2. Sylow Theory, Formation Theory and Fitting Classes in Locally Finite Groups. Series in Algebra, Vol. 2, World Scientific, 1994.

3. (with L. A. Kurdachenko and I. Subbotin) Algebra and Number Theory: An Integrated Approach, John Wiley & Sons, Inc., Hoboken, NJ, 2010. xii+523 pp.

4. (with L. A. Kurdachenko and I. Subbotin) The Main Algebraic Structures: An Essential Introduction, J. Wiley and Sons, Hoboken, NJ, 2014 viii+234 pp.

5. (with L. A. Kurdachenko and I. Subbotin) Ranks of Groups: The Tools, Characteristics and Restrictions, J. Wiley and Sons, Hoboken, NJ, 2017 xi+309 pages, together with a solution manual for exercises.

6. (with L. A. Kurdachenko and I. Subbotin) Linear Groups: The Accent on Infinite Dimensionality, CRC Press, Boca Raton, London, New York, 2020, xiv+314 pp.

7. (with L. A. Kurdachenko and I. Ya. Subbotin), Infinite Groups: A Roadmap to Classical Areas, CRC Press, Boca Raton, Oxford, 2023, xvii+392 pp.

INVITED ADDRESSES AND OTHER ACADEMIC INVITATIONS

1. "Existence of locally nilpotent projectors in locally finite groups with min-p," presented at the St. Andrews Colloquium, University of St. Andrews, Scotland, July 1980.
2. "Some properties of generalized wreath products", presented at the University of Wisconsin-Parkside Colloquium, May 11, 1984.

3. "Generalized wreath products" presented at the annual summer meeting of the Canadian Mathematical Society, Edmonton, Canada, June 1984.

4. "The construction of infinite finitely generated periodic groups", presented at the University of Kentucky Colloquium, Lexington, March 28, 1985.

5. "Fitting classes of infinite groups", presented at the group theory meeting, Oberwolfach, West Germany, May, 1987.

6. "A history of the Burnside problem", presented at the Korea National University of Education, Chungbuk, Korea, August 22, 1988.

7. "A solution to the Burnside Problem", presented at Dankook University, Seoul, Korea, August 23, 1988.

8. "Automorphisms of groups with min-p for all p", presented at the University of Wisconsin-Parkside Colloquium, Nov. 4, 1988.

9. "Automorphisms of Nilpotent Groups", presented at the University of Glasgow, Scotland, November 16, 1989.

10. "Automorphisms of Nilpotent Groups", presented at the University of Nottingham, England, December 1, 1989.

11. "Some groups which cannot be automorphism groups" presented at U.M.I.S.T., England, February 6, 1990.

12. "Automorphism groups of groups", a series of 3 lectures presented at the University of Zaragoza, Spain, May 1990.

13. "Some groups which cannot be automorphism groups", presented at the University of Wales, June 15, 1990.

14. "Some groups which cannot be automorphism groups", presented at the University of Kentucky Colloquium, Lexington, April 15, 1993.

15. "The generalized Wielandt subgroup of a group", presented at the AMS Special Session, University of Kentucky, March 1994.

16. Invited participant at the NATO Advanced Study Institute on Finite and Locally Finite Groups, Istanbul, August, 1994.

17. Visiting Distinguished Professor, Bucknell University, February, 1995.

18. "Locally (soluble-by-finite) groups of finite rank", presented at the University of Kentucky Colloquium, Lexington, March 30, 1995.

19. "Rank conditions in groups", a series of 12 lectures presented while I was a visiting Professor at Università degli Studi di Trento, Italy, May 1995.

20. "Locally (soluble-by-finite) groups with rank conditions", presented at the University of Wisconsin-Parkside Colloquium, April 19, 1996.

21. "Locally (soluble-by-finite) groups with all proper non-nilpotent subgroups of finite rank", presented at the AMS Special Session, Rider University, October 1996.

22. "Groups with subgroups having prescribed properties", presented at the University of South Alabama Colloquium, April 17, 1997.

23. Visiting Distinguished Professor, Bucknell University, April 1999.

24. "Groups with the minimum condition on insoluble subgroups", presented at the University of Newcastle Algebra Seminar, March 10, 2000.

25. "Groups with the minimum condition on insoluble subgroups", presented at the University of Wales, June 8, 2000.

26. Visiting Distinguished Professor, Bucknell University, April 2001.

27. "The join of two disjoint permutable subgroups" and "Groups with various minimal conditions", presented at the Intensive Bimester of Group Theory, University of Napoli, Italy, May 2002.

28. Visiting Distinguished Professor, Bucknell University, April 2003.

29. "Groups with the maximal condition on non-FC-subgroups", presented at the AMS Special Session, Binghamton University, October 2003.

30. "Linear groups with rank restrictions on the subgroups of infinite central dimension". Presented at the AMS Special Session, Bard College NY, October 2005.

31. "Groups with proper subgroups of certain types", invited main speaker at the Ischia Group Theory Conference, Ischia, Italy, March 2006.

32. Visiting Distinguished Professor, Bucknell University, April 2006.

33. "Some topics in infinite groups", University of Newcastle, England, May, 2006.

34. "The class of groups satisfying min-p for all primes p", Jim Beidleman Symposium 2006, University of Kentucky, September 2006.

35. "Sylow theory in finite and locally finite groups", presented at the University of Kentucky Colloquium, February 22, 2007.

36. "Certain rank conditions on groups", invited main speaker of 3 talks at Advances in Group Theory and Applications 2007, Otranto, Italy, June 2007.

37. "Linear groups with bounded orbits", Derek Robinson Symposium 2008, Auburn University at Montgomery, March 2008.

39. "Some simple locally (soluble-by-finite) groups" invited main speaker at the Ischia Group Theory Conference, Ischia, Italy, April 2008.

40. Visiting Distinguished Professor, Bucknell University, April 2008.

41. Visiting Professor, University of Kentucky, June 2008.

42. "Some topics in infinite simple groups" Invited Colloquium talk, University of Valencia, Spain, March 2009.

43. "Some topics in infinite simple groups" Invited Colloquium talk, University of Zaragoza, Spain, March 2009.

44. "Groups with all subgroups permutable or of finite rank" invited main speaker at the Ischia Group Theory Conference, Ischia, Italy, March 2012.

45. "Groups with subgroups having prescribed properties", Howard Smith Retirement meeting, Bucknell University, May, 2013.

46. "Groups with all subgroups permutable or soluble" Invited Colloquium Talk, University of Salerno, Italy, May 23, while a visiting professor there in May 2013.

47. "The theorems of Schur, Baer and Hall", invited main speaker at the Ischia Group Theory Conference, Ischia, Italy, April 2014.

48. "Groups with subgroups having prescribed properties: A survey", a series of three invited talks at the University of Napoli, Naples, Italy during May 2014.

49. "The relationship between the upper and lower central series: A survey", invited Main Speaker at the Ischia Group Theory Conference, Ischia, Italy, March-April 2016.

50. "Some groups with many permutable subgroups", invited Main Speaker at Advances in Group Theory and Applications 2017, Lecce, September 2017.

51. "Some topics in infinite dimensional linear groups', invited Main Speaker Workshop in honor of the 70th birthday of Leonid Kurdachenko, University of Napoli, Naples, Italy, October 22-24, 2019.

52. "Groups with all subgroups permutable or soluble of finite rank", invited speaker at the GOThIC (Ischia Online Group Theory Conference), Ischia, Italy, May 2020.

53. "Some topics in infinite dimensional linear groups", plenary address, 6BIGTC-2021 (6th Biennial International Group Theory Conference-2021, Vellore Institute of Technology, Vellore, India (online conference), March 2021.

54. "Some topics in the theory of f-subnormal subgroups", invited Main Speaker at the Ischia Group Theory Conference, Ischia, Italy, June 2022 (given as an online zoom talk).

55. "Wallpaper groups, space groups and Hilbert's 18th problem, Pi mu epsilon, Tuscaloosa, April 2022

56. "Groups whose proper subgroups satisfy certain properties", plenary talk, Advances in Group Theory and Applications 2023, Lecce, June 2023.

57. "TBA", plenary talk, Brian Hartley Memorial Conference, Naples, Italy, October 2024.

OTHER PRESENTATIONS GIVEN AT MATHEMATICAL MEETINGS

1. "Conjugate Carter subgroups in groups with min-p for all p", presented at the Algebra Conference, Southern Illinois University, Carbondale, April 1980.

2. "Formation theory in groups with min-p for all primes p", presented at the 87th Annual Meeting of the American Mathematical Society, San Francisco, January 1981. (Abstract appears in Abstracts of the American Mathematical Society).

3. "Divisible automorphism groups", presented at Groups-Korea 1988, August 1988.

4. "Fitting classes in CC-groups", presented at the Week-end Algebra Conference, University of Southern Mississippi, October, 1988.

5. "Semicomplete Nilpotent Groups", presented at Groups-St. Andrews 1989, University of St. Andrews, Scotland, August 1989.

6. "Automorphisms of nilpotent and related groups, presented at Groups Galway/St. Andrews 93, University College, Galway, Ireland, August, 1993.

7. "Group theory: then and now", 4th Lewis-Parker Lecture, Alabama Association of College Teachers of Mathematics, Alabama A & M University, February, 1994.

8. "Groups with subgroups having prescribed properties", presented at Groups 97, University of Bath, England, August 1997.

9. "Groups that are covered by non-abelian simple groups", presented at the Spring Lecture Series, University of Arkansas, April, 1998.

10. "The join of disjoint permutable subgroups", presented at the Weekend Algebra Conference, University of Southern Mississippi, April 2001.

11. "Groups with the minimal condition on subgroups of infinite central dimension", presented at the Zasshenhaus Group Theory Conference, University of Evansville, March 2003.

12. "Groups with all proper subgroups soluble-by-finite rank" presented at the Zassenhaus Group Theory Conference, Auburn University at Montgomery, March 2005.
13. "Some countably recognizable classes of groups" presented at the Zassenhaus Group Theory Conference, St. Louis University, March 2007.

OTHER MEETINGS ATTENDED

1. British Mathematical Colloquium at University College, London, March 1979.
2. Midwest Group Theory Conference at the University of Illinois, Urbana, April 1981.
3. The 87th Summer meeting of the American Mathematical Society at SUNY-Albany, New York, August 1983.
4. Groups - St. Andrews 1985, The University of St. Andrews, Scotland, August 1985.
5. Singapore Group Theory Conference, National University of Singapore, June 1987.
6. Bucknell University Group Theory Conference, May 1991.
7. Infinite groups and group rings, AMS special session, March 1992.
8. Weekend Algebra Conference, University of Southern Mississippi, April 1992.
9. Weekend Algebra Conference, University of Southern Mississippi, April 1995
10. Mathematical Association of America, Southeastern Section, Huntsville, Alabama, April 12, 1996.
11. Alabama Association of College Teachers in Mathematics, University of Mobile, February, 1997.
12. Mathematical Association of America, Southeastern section, Charleston, South Carolina, March 1998.
13. Mathematics Education Technology workshop, University of Alabama, October, 2004.
14. Alabama Association of College Teachers in Mathematics, University of Alabama, Tuscaloosa, February, 2015.

CURRENT RESEARCH PROJECTS

1. Groups of finite rank
2. Linear groups with infinite central dimension.
3. f-subnormal subgroups
4. Permutable subgroups of groups

RESEARCH GRANTS/AWARDS RECEIVED

1. Generalized wreath products indexed by partially ordered sets (with T.A. Fournelle), awarded by the University of Alabama Research Grants Committee, 1983.
2. Some problems concerning generalized nilpotent groups, awarded by the University of Alabama Research Grants Committee, 1984.
3. Groups which cannot be automorphism groups, awarded by the University of Alabama Research Grants Committee, 1988.
4. EPSCoR Travel Grant, 1992, awarded by State ESPCoR Committee
5. EPSCoR Travel Grant 1996, awarded by State EPSCoR Committee..

6. EPSCoR Visitor Grant 1997 (for Howard Smith), awarded by State EPSCoR
    Committee.
7. NATO Visiting Expert Grant 2002 (for Leonid Kurdachenko), awarded by NATO.
8. College of Arts and Sciences, Leadership Board Faculty Fellow, 2011-2014.

PROFESSIONAL SERVICE

1. Reviewer for Mathematical Reviews and Zentralblatt.

2. Referee for: Quarterly Journal of Mathematics, Proceedings of the American
Mathematical Society, Proceedings of the Edinburgh Mathematical Society, Journal of
the London Mathematical Society, Communications in Algebra, Algebra Colloquium,
Soochow Journal of Mathematics, Rend. Sem. Mat. University Padova, Glasgow
Mathematical Journal, Journal of Algebra, Mathematische Nachrichten, Turkish Journal
of Mathematics, Journal of Group Theory, International Journal of Mathematics and
Mathematical Sciences, Rendiconti Lincei Matematica e Applicazioni, Journal of Pure
and Applied Algebra, Commentationes Mathematicae Universitatis Carolinae, Prague,
Bulletin of Belgian mathematical Society, Illinois Journal of Mathematics, Publicacions
Matematiques, Barcelona, Arch. Math, Geometriae Dedicata, Journal of Algebra and its
Applications, Australian J. Math, Central European J. Math, Milan J. Math, Linear and
Multilinear Algebra, J. Otal 60 th Birthday Proceedings, International J. Group Theory,
Revista Matemática Iberoamericana, Southeast Asian Bulletin of Mathematics,
Contributions to Algebra and Geometry, Publications Math. Debrecen, Revista de la Real
Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, Mediterranean
J. Math, Ricerche di Matematica, Studia Sci. Math. Hungarica, Advances in Group
Theory and Applications, Bull. London Math. Soc, Mediterranean J. Math, J. Algebra
and Discrete Math, Beitrage zur Algebra und Geometrie, Bulletin Australian Math. Soc.,
6BIGTC-2021, Bulletin Malaysian Math. Soc.

3. Co-organizer of the American Mathematical Society special session on Infinite
    groups and group rings, Tuscaloosa, March 1992.
4. Referee for the International Science Foundation.
5. Referee for Comission Interministerial de Ciencia y Tecnologia, Spain.
6. Book reviewer for McGraw-Hill.
7. Outside Referee for Ph.D. thesis, University of Toledo.
8. Wrote 3 entries for the Kluwer Encyclopedia of Mathematics.
9. Member of Editorial Board for Communications in Algebra, 2001-2009.
10. Member of Editorial Board for JP Journal of Algebra, Number Theory and
Applications, 2005-2009.
11. Referee for NSERC (Canada).
12. External Reviewer for Louisiana Board of Regents' Research Competitiveness
Subprogram.
13. External evaluator of the work of Dr. M. Deaconescu (University of Kuwait) in his
bid for promotion.
14. Reviewed book proposal for John Wiley, Elementary Number Theory
15. External Evaluator of the work of Karl Lorenson, (Penn State-Altoona) in promotion
bid.
16. Member of Editorial Board, Bollettino dell'Unione Matematica Italiana, 2013-present

17. Member of Editorial Board, Advances in Group Theory and Applications, 2015-present.
18. External referee for Marco Trombetti (University of Napoli) dissertation 2017.
19. External Evaluator of the work of Victor Bovdi (United Arab Emirates) in promotion bid. 2017
20. Member of Editorial Board, Researches in Mathematics, 2021-present

SERVICE (At University of Alabama)

1. Undergraduate Pure Mathematics Curriculum Committee, 1981-82.
2. Undergraduate Curriculum Committee, 1982-83.
3. Graduate Advisory Committee, 1983-84.
4. Faculty representative to the Library, 1984-87.
5. Chairman, recruiting committee, 1984-85.
6. Graduate Advisory Committee, 1985-86.
7. Chairman, Graduate Advisory Committee, 1986-87.
8. Department Evaluation Committee, 1987-88.
9. Co-Chairman, Department Review and Retention Committee, 1988-89.
10. Chairman, Recruiting Committee, 1988-89.
11. Undergraduate Curriculum Committee, 1990-91.
12. Chairman, Department Tenure and Promotion Committee, 1990-91.
13. College Special Studies Advisory Committee, 1990-94.
14. Chairman, Department Promotion Committee, 1991-93.
15. Undergraduate Scholarship Committee, 1993-94.
16. Chairman, Recruiting Committee, 1993-94.
17. Graduate Program Director, 1994-1999.
18. Co-Chair Department Tenure and Promotion Committee 1995-96.
19. University Academic Advising Committee 1995-1997.
20. Calculus Textbook Committee, Spring 1996.
21. Undergraduate Programs and Services Committee, 1997-1999.
22. Chairman Search committee, 1998.
23. College Tenure and Promotion Committee, 2000 – 2002.
24. Alternate on Faculty Senate, 2000 – 2002.
25. Introductory Mathematics Director Search Committee, 2000 – 2001.
26. Chair of Departmental Search Committee for the Mathematics Education position 2002, 2003.
27. A. and S. Scholarship committee, 2002.
28. Graduate Council, 2003-2009.
29. Arts and Sciences Graduate Committee, 2003-2009.
30. A&S Committee on Program and Degree Requirements, 2003-2009.
31. Faculty Representative to College of Arts and Sciences Leadership Board, 2005-2008..
32. Master's in Mathematics Education Committee, 2006
33. Master's in Homeland Security Committee, 2006.
34. Co-chair, Department Promotion Committee, 2007.
35. Department Undergraduate Committee, 2009.

36. College Tenure and Promotion Committee, 2009-2011.
37. Chair, Algebra Search Committee, 2012
38. Chair, Tenure Guidelines Committee, 2012
39. Graduate Program Committee, 2013-present.
40. Graduate Program Planning Committee, 2014-2015.
41. Chair, Roberts Tenure Committee, 2014.
42. Chair, Department of Mathematics Chair Search Committee, 2015.
43. Departmental Website Committee, 2015-2016.
44. Assistant to Undergraduate Advisor 2016-2022.
45. Mathematics Education Search Committee 2016-2017.
46. Scheduling Committee, 2017-present.
47. Long Range Planning Committee, 2017-present.
48. Math 237 Course Captain, 2019.
49. Chair of Retention, Tenure and Promotion Committee, 2020-present
50. Member, Algebra Hiring Committee, 2022
51. Assistant advisor for graduate students 2022-present
52. Ex-officio member of Assessment Committee, 2022-present
53. Assistant chair, 2023-present
54. AMP advisor, 2023-present

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