Vita of Jeffrey Brian Remmel

Present Position:
Interim Dean of the Division of Physical Sciences
Professor of Mathematics
University of California, San Diego
La Jolla, CA 92093-0112
(858) 534-2643

Degrees: Ph.D. in Mathematics (1974) Cornell University

M.S. in Mathematics (1972) Cornell University

B.A. in Mathematics (1970) Swarthmore College

Research Interests: Logic, Combinatorics, Computer Science, and
Hybrid Control

Professional Experience:
Professor of Mathematics, University of California, San Diego
(1986-present)

Interim Dean of Physical Sciences, University of California, San Diego (7/1/16-
present)

Associate Dean Division of Physical Sciences, University of California, San
Diego (2001-2016)

Chair, Department of Mathematics, University of California, San Diego
(1998-2002)

Adjunct Professor of Computer Science, University of California, San Diego
(1992 -present)

Adjunct Professor, Rady School of Management, University of California,
San Diego
(2011 -present)

Associate Professor of Mathematics, University of California, San Diego
(1981-1986)

Assistant Professor of Mathematics, University of California, San Diego
(1974-1981)

Senior Scientist, HyBrithms Corporation, Bellevue, WA
(1996-1997)

Visiting Research Scientist, Mathematical Sciences Institute,
Cornell University (Fall 1993, Spring 1991)

Visiting Professor of Mathematics, University of Florida at Gainesville
(1987-1988)

Visiting Professor, Cornell University
(Fall 1983)

Visiting Professor, Monash University, Melbourne, Australia
(Summer 1981)

Grants:

National Science Foundation Grants in Combinatorics:
(1979 - 1981) #MCS 79-03406
(1982 - 1984) #MCS 82-02333
(1985 - 1986) #DMS 85-05004
(1987 - 1989) #DMS 87-02473
(1990 - 1991) #DMS 90-06413
(1992) #DMS 92-06960
(1993-1995) #DMS 93-06427

NSF Equipment grant #DMS 89-05623
NSF Equipment grant for undergraduate education #DMS 90-50787

ARO grant (1997-1999) DAAG55-97-C-0027 (via HyBrithms Corporation)
*Scalable Data and Sensor Fusion through Optimal Solutions of Multiple
Agent Systems*

Consultant on ARO grant DAAH04-93-C-O113 for *Distributed Decision Sys-*

tems for Commandand Control (1993-1995).

Consultant on SDI grant on *Scalable Data and Sensor Fusion through Optimal Solution of Multiple Agent Systems* (1995)

Consultant on NIST grant 70-NANB5H1164 (1995-1996)

Co-PI DAAD19-01-1-0724 *Distributed Algorithms for Sensor Fusion* (8/01/2001-7/31/2002) $224,482.00.

Co-PI on NSF Grant 9987627 *Computer Science, Engineering, and Mathematics Scholarship (CSEMS) Scholarship Program* (4/1/00-3/31/04) $495,000

Co-PI on NSF Grant 0220719 CSEMS Program (4/1/03-3/31/07) $399,960

Partially supported on ARO grant DAAD 19-01-0-0520,
Experimental and Theoretical Development of Quantum Computers,
D. Meyer PI (6/1/02-6/1/04).

Co-PI on GAANN Grant P200A030069, Department of Education, $491,960.

NSF Grant DMS 0400507 *Combinatorial Structures for Permutation Enumeration and Diagonal Harmonic Modules*, $105,000 (7/1/04-6/30/07)

NSF Grant DMS 0654060 *Combinatorial Structures for Permutation Enumeration and Macdonald Polynomials*, $113,505 (8/1/07-7/30/10)

Partially supported on FIPSE Grant P116B060216 Gershon Harel PI *Developing, Assessing, and Disseminating an Alternative Program for Teacher Preparation in Mathematics at the High School Level*, $557,877 2/1/06-2/1/09.
Co-PI on NSF grant DMS 0821816 *MRI:Aquistion of a Parallel Computing and Visualization Facility to Enable Integrated Research and Training in Modern Computational Science, Mathematics, and Engineering*, $351,499 09/01/2008-08/31/2011.

Co-PI on NSF grant 0929033 *Undergraduate Mathematics and Science Educational Initiative*, $748,049 10.1/09-9/30/13.

Co-PI on NSF grant 113639 *UCSD Education Studies Master Teaching Fel-*

lowship, $3,248,492 10/01/11-10/02/16.

Co-PI on NSF grant 1265314 *Logical Foundations of Computer Science* $10,000 11/15/2012-10/31/2013.

Co-PI on NSF grant 1339936 *Noyce-CalTeach Scholarship Program @ UCSD Phase II*, $ 799,972 10/01/2013-09/30/18

Honorary Societies:

Phi Beta Kappa
Sigma Xi

Affiliations:

American Mathematical Society
Association for Symbolic Logic
Association for Computing Machinery
IEEE Computer Society

Ph.D. Students:

1. Jose Rodriquez, Thesis: "Tableaux representations of finite structures" - 1982.

2. Young-Ming Chen, Thesis: "Combinatorial algorithms for Plethysm" - 1982 (co-chair with A. Garsia).

3. Jonathan Trostle, Thesis: "Involutions, Acyclic Orientations, and Chromatic Polynomials of Graphs" - 1988.

4. Ho Siao Hong, Thesis: "Generic Determinantal Identities and Expansion Theorems by Diagonal Elements (co-chair with S. Gill Williamson)

5. Sarah Whitehead, Thesis: "The Computation of Kronecker Products and Transition Matrices" - 1991.

6. Mark Shimozono, Thesis: " Littlewood-Richardson Rules for Ordinary and Projective Representations of Symmetric Groups" - 1991.

7. Joaquin Carbonara, Thesis: "Special Rim Hook Tabloids: Their Q-analogues and Applications" - 1992.

8. Diseree Beck, Thesis: "Permutation Enumeration of the Groups S_n and B_n and the Combinatorics of Symmetric Functions"-1992

9. Daniel Singer, Thesis: "Q-analogues of Lagrange Inversion and the Theory of Binomial Types" - 1992.

10. Andrius Kuilkauskas, Thesis: "Symmetric Functions of the Eigenvalues of a Matrix" - 1993.

11. Frank Bäuerle, Thesis: "Complexity Theoretic Algebra"-1994.

12. Luisa Carini, Thesis: "Combinatorial Methods for Computing Plethysms of Schur Functions" - 1995.

13. Jinghui Yang, Thesis: "On Recursive Boolean Algebras" -1996.

14. Jennifer Wagner, Thesis: "The Combinatorics of the Permutation Enumeration of Wreath Products of Cyclic and Symmetric Groups" -2000.

15. Thomas Langley, Thesis: "Plethysms and Permutation Statistics"-2001

16. Karen Briggs, Thesis: "Q-analogues and (p, q)-analogues of Rook Numbers and Hit Numbers and their Extensions"-2003

17. Nicholas Loehr, Thesis "Multivariate Analogues of Catalan Numbers, Parking Functions, and their Extensions"-2003

18. Anthony Mendes, Thesis "Building Generating Functions Brick by Brick" -2004

19. Brian Miceli, Thesis "A Rook Theory Model for Product Formulas and Poly-Stirling Numbers"-2006

20. Alan Nash, Thesis "Foundations of Information Integration"-2006 (Co-chair with Victor Vianu and Russell Impagliazzo)

21. Amanda Riehl, Thesis "Ribbon Schur Functions and Permutation Patterns"-2008

22. Jeffrey Liese, Thesis "Counting Patterns in Permutations and Words"-2008

23. Evan Fuller, Thesis "Generating Functions for Composition/Word Statistics"-2009

24. Andrew Niedermaier "Statistics on Wreath Products"-2009

25. Andre Harmse, "Pattern Matching in Column-Strict Fillings of Rectangular Arrays, 2011.

26. Alex Brik, "Extensions of Answer Set Programming"-2012

27. Mark Tiefenbruck "Patterns and Statistics on Words"-2012

28. Miles Jones "Consecutive Patterns in Permutations and Cycle Structures of Permutations"-2012

29. Adrian Scott Duane "Pattern Matching Statistics in the Permutations S_n and the Alternating Permutations A_n for Minimally Overlapping Patterns"-2013.

30. Janine LoBue Tiefenbruck, "Combinatorial Properties of Quasisymmetric Schur Functions and Generalized Demazure Atoms"-2015

31. Andrew Wilson "Generalized Shuffle Conjectures for the Garsia-Haiman Delta Operator"-2015.

Current Ph.D. Students: Quang Bach, Luvreet Sangha, Ran Pan, Sittipong Thamrongpairoj, Dun Qiu.

Talks, Lectures, and Invited Addresses at Meetings and Colloquia

1. Invited half-hour address at the 1978 Spring Meeting of the Association of Symbolic Logic, April 6-7, 1978, Houston, Texas.

2. Invited talk for the Special Session on "Recursion theoretic aspects of model theory and algebra," 755th Meeting of the American Mathematical Society, April 7-8, 1978, Houston, Texas.

3. Invited hour address at the Conference on "Structures with recursive operations," August 1-4, 1979, Monash University, Melbourne, Australia.

4. Invited talk for the Special Session on Combinatorial Theory at the 772nd Meeting of the American Mathematical Society at the University of California, Riverside, November 15-16, 1979, Riverside, California.

5. Invited hour address at the Summer Meeting of the Association of Symbolic Logic, August 18-22, 1980 Patras, Greece.

6. Invited talk for the Summer Research Institute of the American Mathematical Society on Recursion Theory held at Cornell University, June 28-July 16, 1982, Ithaca, New York.

7. Invited talk for the Special Session on Bijective Proofs in Generalized Partition Theory and Enumerative Combinatorics at the 86th Summer Meeting of the American Mathematical Society, August 21-26, 1982, Toronto, Canada.

8. Invited hour address at the American Mathematical Society Summer Research Conference on Combinatorics and Algebra, June 5-11, 1983, Boulder, Colorado.

9. Invited hour address at the Logic and Computation Conference, January 3-8, 1984, Monash University, Melbourne, Australia.

10. Invited address at the Conference on Combinatorics, Invariant Theory, the Representation Theory of the Symmetric Group, Mathematisches Forschungsinstitut Oberwolfach, January 22-28, 1984.

11. Invited talk for the Special Session on Enumerative Combinatorics, at the 814th Meeting of American Mathematical Society, Minneapolis, Minnesota, November 2-3, 1984.

12. Invited one-half hour address at Colloque de Combinatoire Enumerative held at the Universite du Quebec à Montreal, May 28-June 1, 1985.

13. Invited talk for the Special Session on Combinatorics and Group Representations at the 93rd Annual Meeting of the American Mathematical Society, January 21-24, 1987, San Antonio, Texas.

14. Paper presented at the Second Annual Structure in Complexity Theory Conference sponsored by IEEE Computer Society and Mathematical Science Institute at Cornell University, Ithaca, NY, June 16-19, 1987.

15. Invited talk for the Special Session on Combinatorics and Group Representation at the 94th Annual Meeting of the American Mathematical Society, January 6-9, 1988, Atlanta, Georgia.

16. Supported Researcher at Institute for Mathematics and its Applications, University of Minnesota, April 1988 (one lecture given).

17. Invited hour address at the Conference on Combinatorics, Special Functions, and Representation Theory, Mathematisches Forschungsinstitut Oberwolfach, July 3-7, 1988.

18. Paper presented at 4th Annual Symposium on Logic and Computer Science, (sponsored by IEEE), Pacific Grove, CA, June 5-8, 1989.

19. Invited hour address at the Mathematical Science Institute workshop on Feasible Mathematics, Cornell University, June 26-28, 1989.

20. Invited hour address at the workshop on the Effective Content of Mathematical Model in the Behavioral Sciences, September 8-11, 1989, University of California, Irvine.

21. Invited series of talks at University of Rome for their year in Computational Algebra, March 1990.

22. Supported researcher of Mathematical Sciences Research Institute, University of California, Berkeley, April 20, 1990 through May 20, 1990 (two lectures given).

23. Paper presented at 5th Annual Symposium on Logic and Computer Science (sponsored by IEEE), Philadelphia, Pennsylvania, June 4 - 7, 1990.

24. Invited to address at Minisymposium on Constructive Combinatorics at 2nd International Conference on Industrial Applied Mathematics, Washington, D.C., July 8 - 12, 1991.

25. Invited hour address at 1st International Workshop on Logic Programming and Non-Monotonic Reasoning, Washington D.C., July 22 - 24, 1991.

26. Paper presented at International Logic Programming Symposium workshop on Defeasible Reasoning and Constraint Solving, San Diego, Ca. Oct. 28-31, 1991.

27. Invited hour address at the Workshop on Feasible Mathematics II, Mathematical Sciences Institute, Ithaca, New York, May 28-30, 1992.

28. Invited hour address at the Conference on Logical Methods in Mathematics and Computer Science, Cornell University, Ithaca, New York, June 1-3 1992.

29. Paper presented at the 4-th Colloquium of Formal Power Series and Algebraic Combinatorics, Université du Qubéc à Montréal, June 15-19, 1992

30. Paper presented at the Joint International Conference and Symposium on Logic Programming, Washington, D.C., November 9-13, 1992

31. Paper presented at the Workshop on the Structural Complexity and Recursion Theorectic Methods in Logic Programming held in conjunction with 1992 Joint International Conference and Symposium on Logic Programming, Washington, DC, November 9-13, 1992.

32. Two papers presented at the 5-th Colloquium of Formal Power Series and Algebraic Combinatorics, June 21-25, 1993.

33. Paper presented at the 8-th IEEE International Symposium on Intelligent Control, Chicago, Illinois, August 25-27, 1993.

34. Invited address, Seminar on Non-classical Logics in Computer Science, International Conference and Research Center for Computer Science, Dagstuhl, Germany, September 20-24, 1993.

35. Paper presented at the Workshop on the Structural Complexity and Recursion Theoretic Methods in Logic Programming held in conjunction with 1993 International Logic Programming Symposium, Vancouver, B.C., October 26-29, 1993.

36. Paper presented at the 32-nd IEEE Conference on Decision and Control, San Antonio, Texas, December 15-17, 1993.

37. Invited hour address, Symposium on Logical Foundations of Computer Science, St. Petersburg, Russia July 11-14, 1994.

38. Invited address, Algebraic Combinatorics Conference in honor of Adriano Garsia, Taomina, Sicily, July 26-29, 1994.

39. Invited talk, Workshop on Logic Programming and Nonmonotonic Reasoning, Shakertown, Kentucky October 8-11, 1994

40. Invited address, International Workshop on Logic and Complexity, Indiana University, October 13-16, 1994

41. Invited hour address, Hybrid Systems and Autonomous Control Conference, Mathematical Sciences Institute of Cornell University, October 28-30, 1994

42. Paper presented at Workshop on Uncertainty in Databases and Deductive Systems held in conjunction with International Logic Programming Symposium, Ithaca, NY., Nov. 13-19, 1994

43. Paper presented at Workshop on Constraints and Databases held in conjunction with International Logic Programming Symposium, Ithaca, NY., Nov. 13-19, 1994

44. Paper presented at the 10th Annual Symposium on Logic in Computer Science (LICS), June 26-29, 1995, San Diego, CA.

45. Paper presented at the special session on "Hybrid Control System Synthesis, Verification and Stability", 1995 IEEE International Symposium on Intelligent Control, Monteray,CA Aug. 27-29, 1995

46. Invited address at the Workshop on Verification and Control of Hybrid Systems sponsored by DIMACS, Rutgers University, Oct. 22-25, 1995

47. Invited talk at the special session on Recursive and Feasible Mathematics at the Annual Meeting of the American Mathematical Society, Orlando, FL, Jan. 10-13, 1995

48. Invited talk at the special session on Hybrid Control at the 13-th World Congress International Federation of Automatic Control, San Fransico, CA, June 30-July 5, 1996

49. Invited talk at the special session on Intelligent Control via Hybrid Systems at the multiconference on Computational Engineering in Systems Applications, Lille, France, July 9-12, 1996

50. Invited talk at the special session on Hybrid Systems at the 1996 IEEE Symposium on Intelligent Control, Dearborn, MI, Sept. 15-18, 1996

51. Invited hour adress at the 4-th Workshop on Hybrid Systems, Cornell University, Ithaca, N.Y. October 12-14 ,1996

52. Invited 45 minute talk at the AMS Workshop on Computablity Theory and Applications, Boulder, Co. June 1999.

53. Invited talk at Workshop on Complexity and Recursion Theoretic Methods in Data Bases and Artificial Intellegence in conjuction the 1999 Federated Logic Conference held in Trento, Italy, July 6, 1999

54. Invited hour address at the Annual Meeting of the Association of Symbolic Logic in Washington, D.C., Jan. 2000.

55. Invited talk at Minisymposium on Enumerative Question Connected to Diagonal Harmonics and Macdonald Polynomials, SIAM Conference on Discrete Mathematics, June 2002.

56. Invited talk at the special session on Computability Theory with Applications, Annual Meeting of American Mathematical Society, January 6-9, 2002, San Diego California.

57. Invited talk at the special session on Theory and Applications of Symmetric Functions, Annual Meeting of American Mathematical Society, San Diego, CA, Jan 6-9, 2002.

58. Invited talk at the special session on Algebraic Combinatorics, Annual Meeting of American Mathematical Society, San Diego, CA, Jan 6-9, 2002.

59. Invited talk at special session on Algebraic and Enumerative Combinatorics at the AMS Sectional Meeting 982, Orlando, Florida, November 9-10, 2002.

60. Invited talk at the Minisymposium on Macdonald Polynomials and the Combinatorics of the Space of Diagonal Harmonics, SIAM Conference on Discrete Mathematics, Nashville, Tenn. June 13-16, 2004.

61. Invited hour address at the the 17-th Annual Conference on Formal Power Series and Algebraic Combinatorics, Taormina, Sicily, Italy, June 20-25, 2005.

62. Paper presented at 4-th annual conference on Permutation Patterns, Reykjavik, Iceland June 12-16, 2006

63. Invited hour address at the 2005 SouthEast Logic Symposium, April 2005, Gainesville, Fl.

64. Paper presented at CCA 2006, Computability and Complexity in Analysis, November 1-5, 2006.

65. Paper presented and hour speaker in Special Session on the work of Anil Nerode at LFCS 2007, Symposium on Logical Foundations of Computer Science, June 4-7, 2007, New York, NY.

66. Paper presented at Tenth International Symposium on Artificial Intelligence and Mathematics, Jan. 2-4, 2008 Ft. Lauderdale, FL

67. Invited address in the Special Session on Algebraic Combinatorics at the AMS meeting 1039, Claremont, CA, May 3-4, 2008.

68. Hour address at the conference on Preparing the Next Generation of Secondary Math Teachers: How Pedagogy Emerges from Learning Mathematics, University of California, San Diego, May 2-3, 2008.

69. Paper presented at the Symposium for Logic in Computer Science 2009, January 3-6, 2009.

70. Invited address at the conference on Preparing the Next Generation of Secondary Math Teachers: How Pedagogy Emerges from Learning Mathematics, University of California, San Diego, April 17-18, 2009.

71. Invited address at conference on Foundation Adventures: Harvey Freidman's 60-th Birthday, Columbus, Ohio May 14-17, 2009.

72. Paper presented at Permutation Patterns 2010, Dartmouth College, August 9-13, 2010.

73. Paper presented at the AMS Special Session on Enumerative Combinatorics at Joint Mathematical Meetings, San Francisco, CA, Jan 13-16, 2010.

74. Paper presented at the AMS special session on Partition Theory and the Combinatorics of Symmetric Functions, 2010 Spring Central Meeting of the American Math. Soc., St. Paul, MN, April 10-11, 2010.

75. Invited hour address at Conference Nomon@30, Thirty years of Nonmonotonic Reasoning, Lexington, KY, October 22-25, 2010.

76. Invited talk at Symposium on Constructive Mathematics in Computer Science, Lexington, KY, Oct. 26-27, 2010.

77. Paper presented at Symposium on Constructive Mathematics in Computer Science, Lexington, KY, October 25-26, 2010.

78. Invited hour address at Permutation Patterns 2011, San Luis Obispo, CA June 20-24, 2011

79. Invited hour address at the conference on Constructive Logic and Applications: A Conference in Honor of the 60-th Birthday of Sergei Artemov, New York, NY May 23-25

80. Two papers presented at 14-th International Workshop on Non-monotonic Reasoning, Rome, Italy, June 8-10, 2012

81. Talk at Permutation Patterns 2012, Glasgow, Scotland, June 11-15, 2012.

82. Paper presented at Logical Foundations of Computer Science 2013 (LFCS13), January 5-8, 2013, San Diego, CA.

83. Invited address for the Nerode Fest at Logical Foundations of Computer Science 2013 (LFCS13), January 5-8, 2013, San Diego, CA.

84. Talk at the Special Session on Effective Algebra and Model Theory, Joint Meetings of American Mathematical Society and Mathematical Association of America, San Diego, CA, Jan 9-13, 2013.

85. Talk at the Special Session on Multiple Analogues of Combinatorial Special Numbers and Associated Identities, Fall Sectional Meeting of the American Mathematical Society, October 12-13, 2013, Philadelphia, PA.

86. Panel on Using Contributions to Diversity in Hiring and Selection, Round Table: The Role of Contributions to Diversity in Faculty Hiring and Academic Review, UC ADVANCE PAID Program, October 25, 2013, University of California, San Diego.

87. Invited address at Conference on Bijective and Algebraic Combinatorics, March 24-25, 2014, Gainesville, Fl.

88. Panel on Best Practices in Academic Searches, Showcase Oregon: Incorporating Best Practices in Equity, Inclusion and Diversity, May 22, 2014, University of Oregon.

89. Talk at Permutation Patterns 2014, July 7-11, East Tennessee State University, Johnson City, TN.

90. Talk at the Special Session on Enumerative Combinatorics, 2015 Joint Mathematics Meetings, Jan. 10-13, 2015, San Antonio, TX.

91. Talk at the workshop on the Classification of Multiplicity Free Kronecker Products, Banff International Research Station, Math 10-16, 2015.

92. Invited talk at the conference Networked Life: Celebrating the life and career of Fan Chung and Ron Graham. Unviversity of California, San Diego, January 30-31, 2016.

Conferences Organized:

1. Co-organizer with P. Clote of the Workshop on Feasible Mathematics II, Mathematical Sciences Institute at Cornell University, May 28-30, 1992.

2. Co-organizer with J. Crossley, R. Shore, and M. Sweedler of Logical Methods in Mathematics and Computer Science : A Symposium in Honor of Anil Nerode on the Occasion of his Sixtieth Birthday, Cornell University, Ithaca, New York, June 1-3, 1992.

3. Co-organizer with H. Blair, W. Marek, and A. Nerode of the Workshop on Structural Complexity and Recursion Theorectic Methods in Logic Programming held in conjunction with 1992 Joint International Conference and Symposium on Logic Programming, Washington, DC, November 9-13, 1992.

4. Co-organizer with H. Blair, W. Marek, and A. Nerode of the Workshop on Structural Complexity and Recursion Theorectic Methods in Logic Programming held in conjunction with 1993 International Logic Programming Symposium, Vancouver, B.C., October 26-29, 1993

5. Local organizer with S. Buss of the 10-th Annual IEEE Symposium on Logic in Computer Science (LICS), San Diego 1995.

6. Co-organizer with D. Cenzer of a special session on Recursive and Feasible Mathematics, Annual Meeting of American Mathematical Society, Orlando, FL, Jan. 10-13, 1995.

7. Organizer of the special session on Intelligent Control via Hybrid Systems at Computational Engineering in Systems Applications (CESA96) IMACS multiconference in Lille, France, July 9-12, 1996.

8. Co-organizer with A. Garsia of a special session on Algebraic Combinatorics, Annual Meeting of American Mathematical Society, San Diego, CA, Jan 7-11, 1997

9. Local organizing committee with G. Sher and S. Buss, Spring meeting of the Association of Symbolic Logic, March 20-23, 1999

10. Co-organizer with T. Eiter, G. Goltlob, and V. Marek, Workshop on Complexity and Recursion Theoretic Methods in Data Bases and Artificial Intellegence in conjuction the 1999 Federated Logic Conference held in Trento, Italy, July 6, 1999

11. Program Committee for SIAM annual meeting, July 2001.

12. Co-organizer of special session on Hybrid Systems, 2001 World Multiconference on Systemics, Cybernetics and Informatics.

13. Program Committee for Annual ASL meeting, January 2002.

14. Organizing Committe for SIAM Conference on Discrete Mathematics, June 2002.

15. Co-organizer with D. Cenzer of a special session on Computability Theory with Applications, Annual Meeting of American Mathematical Society, January 6-9, 2002, San Diego California.

16. Co-organizer with A. Garsia of a special session on Theory and Applications of Symmetric Functions, Annual Meeting of American Mathematical Society, San Diego, CA, Jan 6-9, 2002.

17. Co-organizer of a special session on Algebraic and Enumerative Combinatorics at the AMS Sectional Meeting 982, Orlando, Florida, November 9-10, 2002.

18. Co-organizer with J. Haglund and J. Morse, Special session at Macdonald Polynomials and the Combinatorics of the Space of Diagonal Harmonics, SIAM Conference on Discrete Mathematics, Nashville, Tenn. June 13-16, 2004.

19. Co-Chair of Program Committe and Co-Chair of the Local Organizing Committee of 18-th Internation Conference on Formal Power Series and Algebraic Combinatorics (FPSAC-05), San Diego, CA, June 19-23, 2006

20. Program Committe for CCA 2006-Computability and Complexity in Analysis, November 1-5, 2006, Gainesville,Fl.

21. Co-Organizer with J. Haglund and F. Bergeron of Banff International Research Station Conference on the Applications of Macdonald Polynomials.

22. Program Chair for the 2008 Winter Meeting of Association of Symbolic Logic, Jan. 8-9, 2008 San Diego, CA

23. Co-organizer of the conference on Preparing the Next Generation of Secondary Math Teachers: How Pedagogy Emerges from Learning Mathematics, University of California, San Diego, May 2-3, 2008.

24. Co-organizer of the conference on Preparing the Next Generation of Secondary Math Teachers: How Pedagogy Emerges from Learning Mathematics, University of California, San Diego, April 17-18, 2009

25. Co-organizer of the special session on Enumerative Combinatorics, 2010 Joint Meetings of American Mathematical Society and Mathematical Association of America, San Francisco, CA Jan. 13-16, 2010.

26. Co-organizer of the special session on Algebraic Combinatorics, Rook Theory, and Applications, Southeastern Fall Section Meeting of the American Mathematical Society and Mathematical Association of America, New Orleans, LA Oct. 13-14, 2012.

27. Co-organizer of the special session on Effective Algebra and Model Theory, Joint Meetings of American Mathematical Society and Mathematical Association of America, San Diego, CA, Jan 9-13, 2013.

28. Co-organizer of the special session on Patterns in Permutations and Words, Joint Meetings of American Mathematical Society and Mathematical Association of America, San Diego, CA, Jan 9-13, 2013.

29. Local organizer of the 2013 Symposium on Logical Foundations for Computer Science, San Diego, CA, Jan. 6-8, 2013

30. Co-organizer Conference on Classification of Multiplicity Free Kronecker Products, Banff International Research Station, Math 10-16, 2015.