

Curriculum Vitae

Dana D. Clahane

Mathematics & Computer Science Division, Fullerton College, 321 E. Chapman, Fullerton, CA 92832
714-992-7390 * dclahane (AT) fullcoll (dot) edu * URL: <http://staffwww.fullcoll.edu/dclahane>

EDUCATION

Ph.D. in Mathematics, University of California, Irvine, 1994-2000

Bernard Russo, Advisor.

Thesis: *Composition Operators on Holomorphic Function Spaces in Several Complex Variables.*

Research Interests: Modern and classical analysis, operator theory, probability, mathematical physics, dynamical systems, imaging, cosmology, space science.

M.A. in Mathematics, California State University, Long Beach, 1987-1989.

B.S. in Mathematics, Cum Laude (135 semester units), Biola University, La Mirada, 1983-1987.

POSTDOCTORAL POSITIONS

University of California
Riverside, CA

Visiting Assistant Professor
Spring 2005-Spring 2008

Michel Lapidus, Research mentor

Institute for Mathematics and its Applications (IMA), University of Minnesota
Minneapolis, MN

Member
9-11/2005

Indiana University
Bloomington, IN

NSF VIGRE Postdoctoral Fellow
2001-2004

Hari Bercovici, Research mentor

California State University
San Marcos, CA

Visiting Assistant Professor
2000-2001

CURRENT REGULAR APPOINTMENT

Fullerton College
Fullerton, CA

Professor of Mathematics
1992-Present

PROFESSIONAL MEMBERSHIPS

- Mathematical Association of America, 2003-Present.
- Member, National Curve Bank Advisory Board, 2003-Present.
- American Mathematical Society (AMS), 1987-Present.

PUBLICATIONS

8. "Environmentally sound math", *Fullerton College Weekly Hornet*, Special Earth Day Issue, April 2010.
7. *Compact weighted composition operators and fixed points in convex domains*, *Fixed Point Theory and Applications*, 2007, Art. ID 28750, 8pp.

-
6. *Norm equivalence and composition operators between Bloch/Lipschitz spaces of the unit ball* (with S. Stević), *Journal of Inequalities and Applications*, 2006, Art. ID 61018, 11pp.
 5. *Composition operators on generalized Bloch and Lipschitz spaces of the polydisk*, joint with S. Stević and Z. Zhou, preprint, 37 pages, <http://arxiv.org/mathFA/0507339>.
 4. *Spectra of compact composition operators over bounded symmetric domains*, *Integral Equations and Operator Theory*, **51** (2005), 41-56.
 3. *Bounded composition operators on Lipschitz and Bloch spaces of the polydisk*, preprint, 7 pages, 2002.
 2. *Compact composition operators on weighted Bergman spaces of the unit ball*, *Journal of Operator Theory*, **45** (2001), no. 2, 335-355.
 1. *Calculus in one or more variables* (with K. Scully), 351 pages as of 8/10, in preparation.

PRESENTATIONS

70. "Are holomorphic composition operators from self-maps of domains in a bicomplex variable bounded?" (1-hour contributed talk), Math Colloquium, Fullerton College, 5/11.
69. "The inverse Galois problem" (1-hour contributed talk), Math Colloquium, Fullerton College, 4/11.
68. "Is there an explicit formula for the norm of a composition operator that is induced by an analytic self-map of the unit disk D in the complex plane and that is restricted to the Hardy space $H^2(D)$?" (40-minute contributed talk), Math Colloquium, Fullerton College, 3/11.
67. "A question answered 'Yes' by Paul Erdős: 'If aliens from outer space some day demand that we find a Ramsey number, for example, $R(5, 5)$, or they'll kill us all, should we just kill the aliens?'" (length to be determined, contributed talk), Math Colloquium, Fullerton College, 3/11.
66. "Is $e^{-1/2}$ the relative density of the regular primes?" (length to be determined, contributed talk), Math Colloquium, Fullerton College, 2/11.
65. "Does the Denjoy-Wolff theorem extend to irreducible bounded symmetric domains?" (length to be determined, contributed talk), Math Colloquium, Fullerton College, 1/11.
64. "Khabibullin's Conjecture" (length to be determined, contributed talk), Math Colloquium, Fullerton College, 11/10.
63. "Lehmer's conjecture" (20-minute contributed talk), Math Colloquium, Fullerton College, 11/10.
62. "Pre-lecture in preparation for Yuichiro Kakihara's 10/19 Colloquium lecture" (length to be determined, two contributed talks), Math Colloquium, Fullerton College, 10/10.
61. "Gilbreath's conjecture" (contributed talk, length to be determined), Math Colloquium, Fullerton College, 10/10.
60. "The counting problem for rational distances between points on a parabola" (15-minute contributed talk), Math Colloquium, Fullerton College, 9/10.
59. "An introduction to problems in bicomplex analysis", first Math Colloquium of 2010-2011 (1-hour invited talk), Claremont Colleges Center for the Mathematical Sciences, 9/10.
58. "Fortune's conjecture" (20-minute contributed talk), Math Colloquium, Fullerton College, 9/10.
57. "Are there infinitely many prime quadruplets?" (10-minute contributed talk), Math Colloquium, Fullerton College, 8/10.
56. "If (1) W is a subset of n -dimensional complex space \mathbb{C}^n and W is a union of polynomially convex sets and (2) $p(W)$ is open for all non-constant polynomial functions on \mathbb{C}^n , then is W open?" (45-minute contributed talk), Pacific Summer Unsolved Mathematics Seminar (PSUMS), Fullerton College, 7/10.
55. "(1) Suppose that d is a semi-metric on a set X with the property that whenever $\lim_{n \rightarrow \infty} d(x_n, y_n) = \lim_{n \rightarrow \infty} d(y_n, z_n) = 0$, we have that $\lim_{n \rightarrow \infty} d(x_n, z_n) = 0$. Does the fact that $\lim_{n \rightarrow \infty} d(x_n, x) = 0$ for some $x \in X$ imply that $\lim_{n \rightarrow \infty} d(x_n, y) = d(x, y)$ for all $y \in X$? (2) Can we answer this question even under the additional assumption that whenever $\lim_{n \rightarrow \infty} d(x_n, x) = \lim_{n \rightarrow \infty} d(y_n, x) = 0$ for some $x \in X$, we have that $\lim_{n \rightarrow \infty} d(x_n, y_n) = 0$?" (45-minute contributed talk), PSUMS, Fullerton College, 7/10.
54. "The Hadamard conjecture" (20-minute contributed talk), PSUMS, Fullerton College, 7/10.
53. "Completely continuous composition operators" (50-minute contributed talk), PSUMS, Fullerton College, 6/10.
52. "Prime membranes" (fifty-minute contributed talk), Fractal Research Group, UC Riverside, 5/10.

-
51. "Euler's conjecture (open since 1760) that there are infinitely many primes that are the sum of 1 and the square of another positive integer" (10-minute contributed talk), Math Association Meeting, Fullerton College, 4/10.
 50. "Legendre's conjecture, included in Landau's problem list, that for every positive integer n , there is a prime between the squares of n and $n + 1$ " (10-minute contributed talk), Math Association Meeting, Fullerton College, 4/10.
 49. "Fractal membranes" (45-minute contributed talk), Fractal Research Group, UC Riverside, 3/10.
 48. "The Erdős-Straus Conjecture" (10-minute contributed talk), Math Association Meeting, Fullerton College, 3/10.
 47. "Pre-lecture for John Baez' Colloquium: vectors, dot products, cross products, their geometric significance, and an introduction to the quaternions" (45-minute contributed talk), Math Association Meeting, Fullerton College, 3/10.
 46. "Are 10 and others, not just 1, lonely numbers?" (25-minute contributed talk), Math Association Meeting, Fullerton College, 3/10.
 45. "Rubel's gravitational equilibrium problem (carrying a hefty \$200 prize for any correct solution): Does a universe of any dimension have either a finite or infinite set of locations where gravitational forces allow masses at those locations to stay at rest?" (45-minute contributed talk), Math Association Meeting, Fullerton College, 3/10.
 44. "Maxwell's question concerning existence of equilibria for Newtonian charge-distance potentials" (45-minute contributed talk), Math Association Meeting, Fullerton College, 3/10.
 43. "Win the lottery or solve this Clay Millennium Prize problem: Are there physically reasonable, smooth solutions to the Navier-Stokes equations?" (45-minute contributed talk), Math Association Meeting, Fullerton College, 2/10.
 42. "Are there any natural separable Hilbert spaces of functions on the n -dimensional complex Euclidean ball for which all composition operators are bounded?" (45-minute contributed talk), Math Association Meeting, Fullerton College, 2/10.
 41. "The invariant subspace problem" (45-minute contributed talk), Math Association Meeting, Fullerton College, 2/10.
 40. "The search for Bloch's constant" (45-minute contributed talk), Math Association Meeting, Fullerton College, 2/10.
 39. "The Erdős-Straus conjecture" (10-minute contributed talk), Math Association Meeting, Fullerton College, 1/10. (40-minute contributed talk), Math Association Meeting, Fullerton College, 1/10.
 38. "Finding a dynamical systems explanation for orbital behavior of celestial objects, such as the recently discovered braid-like behavior sometimes but not always present on portions of Saturn's rings", Math Association Meeting, Fullerton College (45-minute contributed talk, 11/09).
 37. "Pre-lecture in preparation for Angel Pineda's Colloquium talk: the tomography problem, pixels, images, attenuation, the Radon transform, sample spaces, probability, numerical and matricial random variables, probability density functions, image noise, and image noise correlation " (45-minute contributed talk), Math Association Meeting, Fullerton College, 11/09.
 36. "Introduction to the mathematics of imaging: 3D Morphology of rapidly evolving celestial objects and tomography", Math Association Meeting (40-minute contributed talk), Fullerton College, 11/09.
 35. "The Jacobian conjecture" (45-minute contributed talk), Math Association Meeting, Fullerton College, 10/09.
 34. "The Twin, Mersenne, and Sophie Germain Prime Conjectures" (40-minute contributed talk), Math Association Meeting, Fullerton College, 10/09.
 33. "Are the sum, difference, product, and quotient of π and e irrational?" (15-minute contributed talk), Math Association Meeting, Fullerton College, 10/09.
 32. "Can positive rational numbers be recursively decomposed into finite sums of unit fractions with even denominator?" (10-minute contributed talk), Math Association Meeting, Fullerton College, 10/09.
 31. "Can one find the exact value of the sum of all reciprocals of a fixed even power of the positive integers?" (15-minute contributed talk), Math Association Meeting, Fullerton College, 9/09.
 30. "Fermat's Last Theorem to a next theorem; Can a 6th power of a positive integer be the sum of 5 6th powers of positive integers?" (15-minute contributed talk), Math Association Meeting, Fullerton College, 9/09.
 29. "The search for an odd perfect number" (10-minute contributed talk), Math Association Meeting,

Fullerton College, 9/09.

28. "The Goldbach Conjecture" (15-minute contributed talk), Math Association Meeting, Fullerton College, 9/09.
27. "The Holy Grail of mathematics: The Riemann-Zeta conjecture" (45-minute contributed inaugural talk), Math Association Meeting, Fullerton College, 9/09.
26. "An Introduction to the Riemann Hypothesis" (30-minute invited talk), Math Club, Cypress College, 4/09.
25. "A proof of the boundedness of holomorphic composition operators on the Hardy space of the unit disk" (75-minute invited talk), Functional Analysis Seminar, UC Riverside, 2/08.
24. "Hilbert spaces of Dirichlet series" (60-minute contributed talk), Mathematical Physics/Dynamical Systems Seminar, UC Riverside, 2/07.
23. "Bloch's constant" (75-minute invited talk), Functional Analysis Seminar, UC Riverside, 10/06.
22. "Fixed points and compact weighted composition operators on convex domains" (50-minute invited talk), Department Colloquium, CSU San Bernardino, 9/06.
21. "An introduction to composition operators" (50-minute job interview talk - was not offered the position), Colloquium, Hanover College, 3/06.
20. "Fixed points and compact weighted composition operators on convex domains" (50-minute job interview talk - was offered the position [declined for family reasons but I would really love being there and it's an outstanding department!]), Colloquium, U. of Mississippi, 2/06.
19. "An introduction to vector spaces" (50-minute job interview teaching talk), Teaching Colloquium, U. of Mississippi, 2/06.
18. "Fixed points of holomorphic maps and compact weighted composition operators" (50-minute invited talk), Analysis Seminar, UC Irvine, 3/06.
17. "Fixed points of holomorphic maps and compact weighted composition operators" (20-minute contributed talk), Southeastern Analysis Meeting, U. of Florida, 3/06.
16. "Fixed points of maps and compact weighted composition operators on convex domains" (50-minute invited talk), Mathematical Physics/Dynamical Systems Seminar, UC Riverside, 11/17/05.
15. "Composition operators on Bloch-type and Lipschitz spaces of the ball and disk" (75-minute invited talk), Functional Analysis Seminar, UC Riverside (two 50-minute lectures), 10/05.
14. "Fixed points of maps and compact weighted composition operators on convex domains" (20-minute contributed talk), Wabash Modern Analysis Miniconference, Indianapolis, 9/05.
13. "Fixed points and compact weighted composition operators on convex domains" (20-minute contributed talk), International Workshop on Operator Theory and Applications, U. of Connecticut, 7/05.
12. "Composition operators on Bloch-type spaces of the polydisk" (20-minute contributed talk), Wabash Modern Analysis Mini-conference, Indianapolis, 9/04.
11. "Bounded composition operators on Bloch-type and Lipschitz spaces of the polydisk" (50-minute invited talk), Wabash Modern Analysis Seminar, Crawfordsville, 4/03.
10. "Bounded composition operators on holomorphic Lipschitz spaces of the polydisk" (50-minute invited talk), Analysis Seminar, University of California, Irvine, 3/03.
9. "Compact composition operators on Hardy and weighted Bergman spaces of the ball" (50-minute invited talk), Harmonic Analysis Seminar, Indiana University Bloomington, 4/02.
8. "Spectra of composition operators on bounded symmetric domains" (20-minute invited talk), AMS Special Session on Banach Algebras and Operator Theory, CSU San Francisco, 9/00.
7. "Spectra of compact composition operators on bounded symmetric domains" (20-minute contributed talk), Great Plains Operator Theory Symposium, San Juan, Puerto Rico, 5/00.
6. "Spectra of compact composition operators on Hardy and weighted Bergman spaces of bounded symmetric domains" (50-minute invited talk), Department Colloquium, Cal Poly San Luis Obispo, 4/00.
5. "Bounded composition operators on holomorphic Lipschitz spaces of the ball" (20-minute contributed talk), Southeastern Analysis Meeting, U. of Virginia, 3/00.
4. "An introduction to composition operators" (50-minute student colloquium/job interview talk - was offered the position [declined to spend another year developing my doctoral thesis, but this is a great school!]), Mount St. Mary's College, 3/99.
3. "Spectra of compact composition operators on function spaces over bounded symmetric domains"

(20-minute contributed talk), AMS Special Session on Banach Spaces and Operator Theory, San Antonio, 1/99.

2. "Spectra of compact composition operators on function spaces over bounded symmetric domains" (20-minute contributed talk), AMS Special Session on Several Complex Variables and Operator Theory, U. of Utah, 3/99.
1. "Compact composition operators on weighted Bergman spaces of the unit ball" (20-minute contributed talk), AMS Special Session on Banach Spaces of Analytic Functions and Operators on These Spaces, Wake Forest U., 10/98.

JOURNAL ARTICLE REVIEWS AUTHORED

- P. Bourdon/B. MacCluer. *Selfcommutators of automorphic composition operators*, Complex Variables and Elliptical Equations, **52** (2007), no. 1, 85-104.
- B. MacCluer/M. Pons. *Automorphic composition operators on Hardy and Bergman spaces of the unit ball*, Houston Journal of Mathematics, **32**, (2006), no. 4, 1121-1132.
- Z. Zhou/M.Zhu/J. Shi. *Composition operators on the little Bloch space in polydiscs*, Acta Mathematica Scientarium. Ser. B, Engl. Ed., **25** (2005), no. 4, 629-638 (MR #2175928.)
- S. Li. *Composition operators on Q_p spaces*, Georgian Mathematics Journal, **12** (2005), no. 3, 505-514 (MR #2174952).

EDITORIAL EXPERIENCE

M. Lapidus. *In Search of the Riemann Zeros. Strings, Fractal Membranes and Noncommutative Spacetimes*. American Mathematical Society, Providence, RI, 2008, 558 pages. [I provided thorough editorial assistance for the entire book except the last Appendix.]

SYNERGISTIC ACTIVITIES

- Faculty co-supervisor (with William Cowieson), William Lowell Putnam Mathematical Competition, Fullerton College, Fall 2010 - Present.
- Co-advisor (with William Cowieson), Fullerton College Math Association, Fall 2010 - Present.
- Co-organizer (with William Cowieson), Math Colloquium, Fullerton College, Fall 2010 - Present.
- Advisor for twenty-five Mathematics Independent Study students, Fullerton College, Fall 2010
- Founder and organizer, weekly Pacific Summer Unsolved Mathematics Seminar, Fullerton College, 6/10 - Present.
- Organizer, "Unsolved Math Mysteries of the Universe" Summer Science, Technology, Engineering, and Mathematics Project GPS2 Mini-camp program for 120 junior and high school students, Fullerton College, 6/10.
- Curriculum author, Mathematics Seminar Course (currently at the campus-level approval stage) to be offered beginning in Fall 2011, Fullerton College, 2010.
- Faculty supervisor of nine Fullerton College (first-ever) student unsolved math problems presentations, Pacific Coast Undergraduate Mathematics Conference, Malibu, Spring 2010.
- Faculty organizer of approximately thirty (first-ever) Fullerton College student attendees, Pacific Coast Undergraduate Math Conference, Malibu, Spring 2010.
- Advisor for twenty Mathematics Independent Study students, Fullerton College, Spring 2010.
- Founder and Organizer, Math Colloquium, Fullerton College, 2009-2010.
- Advisor, Math Association, Fullerton College, Fall 2009 - Spring 2010.
- First-ever William Lowell Putnam Mathematical Competition Faculty Supervisor, eight students (one student scoring "10"), Fullerton College, 2009-Present.
- Advisor for twelve Mathematics Independent Study students, Fullerton College, Fall 2009.
- Advisor for six Mathematics Independent Study students, Fullerton College, Spring 2009.
- Advisor for two Mathematics Independent study/undergraduate research students, Fullerton College, Fall 2008.

- Course coordinator, Mathematics Independent Study, Fullerton College, 2008 - Present.
- Senior Undergraduate Honors Thesis Co-Advisor for Jason Payne (UC Riverside mathematics major and recipient of UC Riverside Chancellor's Fellowship for Ph.D. studies in Mathematics, now a Ph.D. candidate in mathematics, advised by Michel Lapidus), Fall 2006 - Spring 2008.)
- Organizer, Dynamical Systems Informal Learning Seminar, 2007.
- Reviewer, *Mathematical Reviews*, 2005-Present.
- Referee, International Journal of Mathematics and Mathematical Sciences, 2004-Present.
- Referee, Acta Universitatis Szegediensis, 2007-Present.
- Organizer and co-organizer, VIGRE Seminar, Mathematics, Indiana University Bloomington, 2002-2004.

PRESENTATIONS BY MY STUDENTS

26. Matthew Maldonado (an independent study student of mine, enrolled at UC Riverside beginning Fall 2010), "Toward finding the smallest knot that can be surjectively colored by the quandle induced by conjugation, for any positive integer n , on the group of n th roots of unity in the complex plane," Math Colloquium, Fullerton College, 9/10.
25. Nicole Gillum (one of my former calculus students and now an independent study student of mine), "The Mersenne prime conjecture," Math Colloquium, Fullerton College, 9/10.
24. Wilson Lee (one of my independent study/research students since Spring 2010 and now a senior at Cerritos High School), "The question of whether or not the sum, difference, product or exponentiation of p and e are irrational; proofs of the irrationality of p and e ; continued fractions and computing their sums," Colloquium, Fullerton College, 9/10.
23. Wilson Lee, "A solution to *College Math Journal* Problem 929," Colloquium, Fullerton College, 8/10.
22. David Salazar (one of my independent study and multivariable calculus students, recently appointed a National Community College Aerospace Scholar (NASA)), "The mathematics of planning missions to Mars," PSUMS, Fullerton College, 8/10.
21. Matthew Maldonado (one of my independent study/research students, accepted to UC Riverside and Chapman University), "The problem of finding the smallest knots that can be surjectively colored by the quandles induced by n th roots of unity for various n 's", PSUMS, Fullerton College, 7/10.
20. Mustafa Khafateh (one of my independent study students, now a math major at California State Polytechnic University, San Luis Obispo), "An introduction to integral transforms, imaging, and tomography", PSUMS, Fullerton College, 7/10.
19. Derek Taylor (one of my multivariable calculus students and an independent study student of mine), "The fourth dimension", PSUMS, Fullerton College, 7/10.
18. Wilson Lee, "Hardy-Weinberg equilibrium conditions with F-statistics and de Finetti's diagram", PSUMS, Fullerton College, 7/10.
17. Demetrius Moore (one of my Spring 2010 intermediate algebra students), "The Fibonacci mysteries, such as whether or not there are infinitely many that are prime", Project GPS2 End-of-Year Celebration, Fullerton College, 5/10.
16. Matthew Maldonado, "The search for the smallest knot that can be surjectively colored by the quandle induced by conjugation on n th roots of unity in the complex plane", (problem suggested by Sam Nelson), Math Association Meeting, Fullerton College, 5/10.
15. Derek Taylor, "The fourth dimension", Math Association Meeting, Fullerton College, 4/10.
14. Reza Nikopoor (one of my Spring 2010 multivariable calculus students), "On Maxwell's question regarding equilibria for charge-distance Newtonian potentials in Euclidean space", Math Association Meeting, Fullerton College, 4/10.
13. Wilson Lee, "An introduction to fields and the question of whether or not the sum, difference, product, or quotient of π and e are irrational", Math Association Meeting, Fullerton College, 4/10.
12. Vasili Kapogianis (one of my independent study students, now mentored by Scot Childress), "Analysis on cusps", Math Association Meeting, Fullerton College, 3/10.
11. Jin Cho (one of my independent study students), "Is there an odd perfect number?", Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
10. Eric Orozco (one of my Spring 2010 intermediate algebra students), "Some famous unsolved problems

in number theory”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.

9. Reza Nikopoor, “Maxwell’s question of the existence of equilibria for Newtonian potentials”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
8. Colleen Nelson (one of my independent study students and also a Summer 2009 multivariable calculus student of mine), “Expressing an Integral as an Infinite Series of Derivatives”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
7. Kevin Oskar Negron (then an independent study student of mine and a high school senior, now double majoring in applied math and physics with a minor in mathematical economics at California State University Fullerton and continuing as my independent study student), “Are there universes where gravitational forces allow an object to stay at rest?”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
6. Demetrius Moore (a Spring 2010 intermediate algebra student of mine), “The Fibonacci mysteries”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
5. Christina Mantas (another Spring 2010 intermediate algebra student of mine), “Conjectures about twin, Mersenne, and Sophie Germain primes”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
4. Matthew Maldonado, “A finite quandle on a group of roots of unity”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
3. Wilson Lee, “Are the sum, difference, product, and/or quotient of π and e irrational?”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
2. Vasili Kapogianis, “Analysis on spikes”, Pacific Undergraduate Math Conference, Pepperdine University, 3/10.
1. Fidel Cabezas (Math Association member and one of Scott Edwards’ computer science students), “The search for an odd perfect number and an algorithm for evaluating perfectness” (40-minute lecture), Math Association Meeting, Fullerton College, 10/10.

OTHER CONFERENCE PARTICIPATION

- AMS Western Sectional Meeting, Riverside, 2009.
- “Frontiers in Imaging” Workshop, IMA, U. of Minnesota, 2005.
- “Imaging from Wave Propagation” Workshop, IMA, Minneapolis, 2005.
- “Tutorial on Radar and Optical Imaging” Workshop, Minneapolis, 2005.
- National Joint AMS/MAA/ASL Meeting, Atlanta, 2005.
- Wabash Extramural Modern Analysis Miniconference, Indianapolis, 2003.
- Central Section Meeting of the AMS, Bloomington, 2003.
- Wabash Extramural Modern Analysis Miniconference, Indianapolis, 2002.
- Wabash Extramural Modern Analysis Miniconference, Indianapolis, 2001.
- Western Section Meeting of the AMS, Irvine, 2002.
- Introductory Workshop in Harmonic Analysis, MSRI, 1997.
- AMATYC National Meeting, Boston, 1994.
- CMC³ Meeting, Monterey, 1993.

LEADERSHIP EXPERIENCE

- Project Manager, Project GPS², Fullerton College, 2010-Present.
- Prealgebra Textbook Committee Chair, Fullerton College, 2009-Present.
- Math & Computer Science Division Faculty Senate Representative, Fullerton College, 2008-Present.

OTHER SERVICE ACTIVITIES

- Interim Vice President of Instruction Hiring Committee, Fullerton College, 2010.

-
- Full-time Mathematics Instructor Hiring Committees, Fullerton College, 2010, 2000-2002.
 - Accreditation Ila Team Member, Fullerton College, 2009 - Present.
 - Math Program Review Contributor, Fullerton College, 2009 - Present.
 - Transfer Level Committee, Fullerton College, 1993-Present.
 - Basic Skills Committee, Fullerton College, 1993-Present.
 - Textbook Selection Committees, Fullerton College, 1993-Present
 - Tenure Review Committees, Fullerton College, 1998-2005.
 - Peer evaluator for five tenured faculty, 1996 - 2009.
 - Interim Mathematics/Computer Science Dean Hiring Committee, 1998.
 - Course Coordinator or Co-coordinator for various courses, Fullerton College, 1994 - Present.

AWARDS

- Membership with full financial support, Institute for Mathematics and its Applications, University of Minnesota, 2005.
- Research Sabbatical Leave, Fullerton College, 2005-6.
- National Science Foundation Vertical Integration of Graduate and Research Education (VIGRE) Post-doctoral Fellowship, Indiana University, Bloomington, 2001-2004.
- University of California Regents' Dissertation Fellowship, 2000.
- Education Sabbatical Leave, Fullerton College, 1998.