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Highest University Honors and College Honors, 1971
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National Science Foundation Graduate Fellow, 1971-1974
Woodrow Wilson Foundation Designate, 1971
Visiting Professor, Universite de Paris-Sud, 1977
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Visiting Professor, Princeton University, 1980
Visiting Fellow, Institute for Advanced Study, 1981
Visiting Professor, Uppsala University, 1984
Visiting Professor, Beijing University, 1984
Visiting Professor, University of Umeå, 1986
Visiting Professor, University Autonoma de Madrid, 1986
Visiting Professor, Mittag-Leffler Institute, 1988
Visiting Professor, Universite Paul Sabatier, 1988
Principal Speaker, Complex Analysis Conference, Cetraro, 1989
Head of Organizing Committee, AMS Summer Institute, Santa Cruz, 1989
Speaker, Frontiers of Science Symposium, Irvine, CA, 1991
Chauvenet Prize of the MAA, 1992
Principal Speaker, CBMS Conference, George Mason University, 1992
Principal Speaker, Southeastern Functional Analysis Meeting, 1993
Visiting Professor, Politecnico Torino, 1993
Principal Speaker, AMS Summer Research Institute on Operator Theory, 1993
Beckenbach Prize of the MAA, 1994
Kemper Foundation Education Grant, 1994
Principal Speaker, NATO Conference on Several Complex Variables, Edinburgh, 1995
Richardson Fellow, Australian National University, 1995

Visiting Professor and Organizer of Special Year,
Mathematical Sciences Research Institute, 1995-1996
Organizer, Conference on Current Issues in Modern
Issues of Mathematics Teaching, MSRI, 1996
Organizer and Principal Lecturer, Conference on Several
Complex Variables, Pohang Institute of Science
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Frontiers Speaker, Texas A&M, 1997
Organizer and Principal Lecturer, Conference in Honor of
Lars V. Ahlfors, Stanford University, 1997
"Outstanding Academic Book Award", Current Review for
Academic Libraries, 1998.
Nagle Memorial Lecturer, University of South Florida, 1998
Organizer and Principal Lecturer, Conference on Several
Complex Variables, Seoul National University, 1998
Organizer, Holomorphic Mappings Conference and Workshop,
American Institute of Mathematics 2000
Distinguished Lecturer, Allegheny College, 2001.
Court Lecturer, Mathematical Association of America, 2002.
Principal Speaker, Discrete Geometry Conference, Tallahassee, 2002.
Principal Speaker, MER Workshop, St. Louis, 2002.
Court Lecturer of the MAA, 2003
Discrete Geometry Conference, Tallahassee, 2003
Functional Analysis Conference, Edwardsville, 2003
Distinguished Lecturer, MAA Meeting, Claremont, 2003
Distinguished Lecturer, Bowdoin College, 2003
Oregon State University (Arvid Longseth Lecturer), 2004
MSRI/Evans lecture series, 2004
Circles Lecturer, San Jose State, 2005
Principal Lecturer, Annual AMS/MAA meeting in Atlanta, 2005
Principal Lecturer, MAA Regional Meeting, Moraga, 2005
Principal Lecturer, SEAM Meeting, William & Mary College, 2005
Judge, Siemens-Westinghouse Science Fair, 2005
Principal Speaker, Edinboro Univ. of Pennsylvania, 2006
Principal Organizer, Conference at PIMS in Banff, 2006
Principal Organizer, Conference at Banach Center, 2007

Principal Speaker, Conference at Poincare Center to Honor G. M. Henkin, 2007
Faculty Mentor Award, Washington University, 2007
Editor, special issue of *Complex Variables and Elliptic Equations*
Chief Editor, *Notices of the AMS*, 2010-2015
Plenary Speaker, Buckeye Symposium, Wooster, Ohio, 2010
Buckingham Scholar, Miami Univesity in Oxford, Ohio, 2010
Thirty-Eighth Biennial Convention of Kappa Mu Epsilon, Harris-Stowe State University, Principal Speaker, 2011
Math Retreat, University of Wisconsin, Eau Claire, Principal Speaker, 2011
Conference to honor S. G. Krantz for his 60th birthday and J. E. Fornæss for his 65th birthday, 2011
Principal Organizer and Principal Speaker, Conference on the Corona Theorem, Fields Institute, July, 2012
AMS Fellow, 2012
Honorable Mention in "Who's Who in Academia"
Book *Differential Equations: A Modern Approach with Wavelets* chosen as an Outstanding Academic Title by *CHOICE* magazine
guest editor for special issue of *Axioms* journal on the subject Operator Theory, Complex Analysis, and Applications
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Conference to honor S. G. Krantz for his 70th birthday, 2023
Honorary Editor, *Bulletin of the Mathematical Sciences*

Academic Positions Held: Assistant Professor, UCLA, 1974-1981
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BIBLIOGRAPHY

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Published, Accepted, or Completed Papers and Scholarly Works

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2. Structure and interpolation theorems for certain Lipschitz spaces and estimates for the $\overline{\partial}-$equation, *Duke Math. J.* 43(1976), 417–439.

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370. (with Jing Yang, Goong Chen, Alexey Sergeev, Chunqiu Wei, Jingtong Huang, Yuetong Wu, Sze-Bi Hsu, Pengfei Yao, Tingwen Huang, Chi-Chao Tsai, Feng-Bin Wang, Jian-Ao Lian, and Chang-Hong Wu), Applications of the Modal Analysis Method for Animal Shapes to Animated Film Production (III): Structure-Preserving Motion Imitation with LSTM and PINNs, preprint.

371. The Hartogs extension phenomenon in context, *Opuscula Mathematica*, to appear.

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Other Writings

1. Review of *Integral Representations of Functions and Imbedding Theorems* Vols. I and II, by Oleg V. Besov, Valentin P. Il'in, and Sergei M. Nikol'skii, (Vol. I: vii + 311), (Vol. II; viii + 345), *Bull. Am. Math. Soc.* (new series) (1980), 216-222.
2. Review of *Function Theory in the Unit Ball of* $\mathbf{C}^n$, by Walter Rudin, Grundlehren der mathematischen Wissenschaften 24 Springer-Verlag, Berlin and New York, 1980, *Bull. Am. Math. Soc.* (new series) 5(1981), 331-339.
3. Review of *The Science of Fractal Images* by Peitgen and Saupe and *The Art of Fractal Geometry* by Peitgen and Richter, *Mathematical Intelligencer* 11 (1989), 12-16.
4. From the Editor, *Notices* of the American Mathematical Society, 42(1995), 218.
5. Review of *Introduction to Holomorphic Functions of Several Variables*, by Robert C. Gunning, *Bull. Am. Math. Soc.* (new series) 25(1991), 205-215.
6. Review of *Nonlinear Dynamics and Chaos, with Applications in Physics, Biology, Chemistry, and Engineering* by S. Strogatz, *UMAP Journal*, to appear, 1999.

7. Review of *Complex Variables and Applications*, **6th** Ed., by J. W. Brown and R. V. Churchill and *Complex Variables with Applications*, **2nd** Ed., by D. Wunsch, *UMAP Journal*, to appear.
8. Review of *Indiscrete Thoughts* by Gian-Carlo Rota, *Notices of the American Math. Society* 44(1997), 815-818.
9. Review of *Introduction to Calculus and Classical Analysis* by Omar Hijab and *Introduction to Mathematical Structures and Proofs* by Larry J. Gerstein, *Notices of the American Math. Society*, to appear.
10. Review of *Applied Mathematics* by J. David Logan, *UMAP Journal*, to appear.
11. Review of *The World According to Wavelets*, **2nd** ed., by Barbara Burke Hubbard, *UMAP Journal*, to appear.
12. contributed several sections in C. Bennett and A. Crannell, eds., *Starting our Careers*, American Mathematical Society, Providence, 1999.
13. Review of *Challenges* by Serge Lang, *Mathematical Intelligencer*, 1999.
14. Review of *The Man Who Loved Only Numbers* and *My Brain is Open*, *The College Mathematics Journal*, 2001.
15. Review of *Zero: The Biography of a Dangerous Idea*, *SIAM News* 33(2000), 10–12.
16. Review of *Challenges*, *The Mathematical Intelligencer*, 2001.
17. Review of *Math Education of Teachers*, *Notices of the AMS*, 2001.
18. Review of *The Universe in a Nutshell*, *Notices of the AMS*, 2002.
19. Review of *Math Lectures for Undergraduates*, *The Mathematical Intelligencer*, 2002.

Books[1]

1. (with Bonic, Cranford, et al), *Freshman Calculus*, D. C. Heath, Lexington, 1971.
2. (with Bonic and Cranford), *Exercises and Sample Exams for Freshman Calculus*, D. C. Heath, Lexington, 1971.
3. *Function Theory of Several Complex Variables*, John Wiley and Sons, New York, 1982.
4. *Function Theory of Several Complex Variables*, Chinese edition, 1984.
5. *Function Theory of Several Complex Variables*, Polish edition, Państwowe Wydawnictwo Naukowe, 1991.
6. S. Krantz, ed., *Complex Analysis Seminar,* Springer Verlag Lecture Notes, vol. 1268, 1987.
7. *Complex Analysis: The Geometric Viewpoint*, Carus Monograph no. 23, Mathematical Association of America, Providence, 1990.
8. *Complex Analysis: The Geometric Viewpoint*, Japanese edition, 1999.
9. *Real Analysis and Foundations*, CRC Press, Boca Raton, 1991.
10. *Solutions Manual for Real Analysis and Foundations*, CRC Press, 1991.
11. E. Bedford, J. D'Angelo, R. E. Greene, and S. G. Krantz eds., *Several Complex Variables and Complex Geometry,* 3 volumes, Proceedings of Symposia in Pure Mathematics, American Math. Society, Providence, 1991.
12. *Function Theory of Several Complex Variables*, **2nd** ed., Wadsworth and Brooks/Cole, Belmont, CA, 1992.
13. *Partial Differential Equations and Complex Analysis*, CRC Press, Boca Raton, 1992.
14. (with R. E. Greene) *Function Theory of One Complex Variable,* John Wiley and Sons, 1997.
15. (with K. T. Kim) *Complex Geometric Analysis in Pohang*, American Mathematical Society, Providence, RI, 1998.

[1]Books **3**, **13**, **20** have been translated into several foreign languages.

16. *Function Theory of Several Complex Variables*, **2nd** ed., American Mathematical Society, Providence, 2001.
17. (with H. R. Parks), *A Primer of Real Analytic Functions*, Birkhauser, Basel, 1992.
18. *Geometric Analysis and Function Spaces*, CBMS and the American Mathematical Society, Providence, 1993.
19. *How to Teach Mathematics*, American Mathematical Society, Providence, 1993.
20. *How to Teach Mathematics*, Japanese edition, Tamagawa University Press, 1998.
21. *How to Teach Mathematics*, Portuguese edition, Sociedade Portuguesa de Matematica, 2001.
22. *How to Teach Mathematics*, Korean edition, Kyung Moon Publishers, 2013.

23. (with Brian Blank) *Calculus*, Key College Press, Emeryville, CA, 2006.
24. (with Brian Blank) *Calculus Multivariable: Student Study and Solutions Companion*, Key Curriculum Press, Emeryville, 2008.
25. (with Brian Blank) *Calculus Single Variable: Student Study and Solutions Companion*, Key Curriculum Press, Emeryville, 2008.
26. (with Brian Blank) *Instructor Resources for Calculus Single Variable*, Key Curriculum Press, Emeryville, 2006.
27. (with B. Blank) *Instructor Resources for Calculus Multivariable*, Key Curriculum Press, Emeryville, CA, 2006.
28. (with B. Blank) *Calculus, Single Variable Instructors Solutions Manual*, Key Curriculum Press, Emeryville, CA, 2006.
29. (with Stanley Sawyer) *A TEX Primer for Scientists*, CRC Press, 1994.
30. *The Elements of Advanced Mathematics*, CRC Press, Boca Raton, FL, 1995.

31. *Solutions Manual for the Elements of Advanced Mathematics*, CRC Press, Boca Raton, FL, 2001.
32. (with K. Rosen and D. Zwillinger, eds.) *The Standard Book of Tables and Formulas*, CRC Press, Boca Raton, 1995.
33. *Dictionary of Algebra, Arithmetic, and Trigonometry*, CRC Press, Boca Raton, 2001.

34. (with H. R. Parks), *The Geometry of Domains in Space*, Birkhäuser, Boston, 1996. in progress.

35. *Techniques of Problem Solving*, American Mathematical Society, 1996.

36. *Techniques of Problem Solving*, Korean edition, Kyung Moon Publishers, 2001.

37. *Techniques of Problem Solving*, Japanese edition, Maruzen Publishing Division, 2001.

38. *Techniques of Problem Solving*, Saudi Arabian edition, Arab Bureau for the Education of the Gulf States, 2014.

39. *A Primer of Mathematical Writing*, American Math. Society, 1996.

40. *A Primer of Mathematical Writing*, Japanese edition, Maruzen Publishing Division, 1999.

41. (with E. Gavosto, W. McCallum), *Contemporary Issues in Mathematics Education*, Cambridge University Press, 1999.

42. *A Panorama of Harmonic Analysis*, A Carus Monograph, Mathematical Association of America, Washington, D.C., 1999.

43. *How to Teach Mathematics*, **2nd** ed., American Mathematical Society, Providence, 1999.

44. *A Handbook of Complex Variables*, Birkhäuser, Boston, 1999.

45. *Handbook of Typography for the Mathematical Scientist*, CRC Press, Boca Raton, 2001.

46. (with H. R. Parks) *The Implicit Function Theorem*, Birkhäuser, Boston, 2002.

47. (with H. R. Parks) *The Implicit Function Theorem*, Chinese Edition, Beijing World Publishing Corporation, 2013.

48. (with R. E. Greene and K. T. Kim), *The Geometry of Complex Domains*, Birkhäuser, Boston, 2011.

49. *Handbook of Logic and Proof Techniques for Computer Science*, Birkhäuser, Boston, 2002.

50. (with H. R. Parks) *A Primer of Real Analytic Functions*, **2nd** ed., Birkhäuser Publishing, Boston, 2002.

51. (with H. R. Parks) *A Primer of Real Analytic Functions*, Chinese Edition, Beijing World Publishing Corporation, 2013.

52. *Complex Analysis: The Geometric Viewpoint*, **2nd** ed., Mathematical Association of America, Washington, D.C., 2004.

53. (with R. E. Greene) *Function Theory of One Complex Variable*, **2nd** ed., The American Mathematical Society, Providence, RI, 2002.

54. *The Elements of Advanced Mathematics*, 2nd ed., CRC Press, Boca Raton, FL, 2002.

55. *Solutions Manual for The Elements of Advanced Mathematics*, 2nd ed., CRC Press, Boca Raton, FL, 2002.

56. *Mathematical Apocrypha*, Mathematical Association of America, Washington, D.C., 2002.

57. *Calculus Demystified*, McGraw-Hill, New York, 2002.

58. (with H. R. Parks) *Geometric Integration Theory*, Birkhäuser Publishing, Boston, MA, 2008.

59. (with F. DiBiase) *The Boundary Behavior of Holomorphic Functions*, Birkhäuser, Boston, to appear.

60. (with K. Rosen and D. Zwillinger, eds.) *The Standard Book of Tables and Formulas*, **2nd** ed., CRC Press, Boca Raton, 2003.

61. *A Handbook of Real Variables, with Applications to Differential Equations and Fourier Analysis*, Birkhäuser, Boston, 2003.

62. (with G. F. Simmons) *Differential Equations: Theory, Technique, and Practice*, McGraw-Hill, New York, 2006.

63. (with G. F. Simmons) *Student's Solutions Manual to acccompany Differential Equations: Theory, Technique, and Practice*, McGraw-Hill, New York, 2006.

64. (with G. F. Simmons) *Ecuaciones diferenciales: Teoria, técnica y práctica*, Mexican edition, Derechos Reservados, 2007.

65. (with G. F. Simmons) *Studentandapos;s Solutions Manual to Acccompany Differential Equations: Theory, Technique, and Practice*, McGraw-Hill, New York, 2006.

66. *A Mathematician's Survival Guide*, American Mathematical Society, Providence, 2004.

67. (with John Bland and K.-T. Kim) *Explorations in Geometric Analysis: A Volume Dedicated to Robert E. Greene*, American Mathematical Society, Providence, R.I., 2003.

68. *Mathematical Apocrypha Redux*, Mathematical Association of America, Washington, D.C., 2006.

69. (with Brian Blank) *Instructor's Resource Manual for Calcululus*, Key Curriculum Press, Emeryville, CA, 2006.

70. *Real Analysis and Foundations*, **2nd** ed., CRC Press, Boca Raton, 2005.

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72. *Differential Equations Demystified*, McGraw-Hill, New York, 2005.

73. *Complex Variables: A Physical Approach with MATLAB*, CRC Press, Boca Raton, FL, 2007.

74. *Complex Variables: A Physical Approach with MaTLAB*, Persian edition, 2015.

75. *An Episodic History of Mathematics: Mathematical Culture through Problem Solving*, Mathematical Association of America, 2010.

76. *An Episodic History of Mathematics: Mathematical Culture through Problem Solving*, Korean edition, Kyung Moon, 2012.

77. *Mathematical Publishing, A Guidebook*, American Mathematical Society, Providence, RI, 2005.

78. *Cornerstones of Geometric Function Theory: Explorations in Complex Analysis*, Birkhäuser Publishing, Boston, 2006.

79. (with Gary R. Jensen) *150 Years of Mathematics at Washington University in St. Louis*, American Mathematical Society, Providence, RI, 2006.

80. (with R. E. Greene) *Function Theory of One Complex Variable*, **3rd** ed., American Mathematical Society, Providence, RI, 2006.

81. *The Proof is in the Pudding: A Look at the Changing Nature of Mathematical Proof*, Springer, 2011.

82. *The Proof is in the Pudding: A Look at the Changing Nature of Mathematical Proof*, Russian translation, 2016.

83. (contributing author) *Starting Our Careers*, American Mathematical Society, Providence, RI, 1999.

84. *A Guide to Complex Variables*, Mathematical Association of America, Washington, D.C., 2008.

85. *The Survival of a Mathematician: From Tenure to Emeritus*, American

Mathematical Society, 2009.

86. *Discrete Mathematics Demystified*, McGraw-Hill, 2009.
87. *A Guide to Topology*, Mathematical Association of America, Washington, D.C., 2009.
88. *A Guide to Real Variables*, Mathematical Association of America, Washington, D.C., 2009.
89. *Essentials of Topology: Theory and Practice*, Taylor & Francis, Boca Raton, FL, 2009.
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92. *Explorations in Harmonic Analysis, with Applications in Complex Function Theory and the Heisenberg Group*, Birkhäuser Publishing, Boston, 2009.
93. (with H. R. Parks) *A Mathematical Odyssey: Journey from the Real to the Complex*, Birkhäuser Publishing, Boston, MA, 2013.
94. (with B. Blank) *Calculus Single Variable*, **2nd** ed., John Wiley and Sons, New York, 2011.
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96. (with B. Blank) *Calculus, Multivariable: Student Study and Solutions Manual*, Wiley, New York, 2011.
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100. *Calculus Demystified*, **2nd** ed., McGraw-Hill, New York, 2011.
101. *The Integral: A Crux for Analysis*, Morgan & Claypool, 2011.
102. *A Mathematician Comes of Age*, Mathematical Association of America, 2012.
103. *The Elements of Advanced Mathematics*, 3rd edition, Taylor & Francis, Boca Raton, FL, 2012.

104. *Studyguide for the Elements of Advanced Mathematics*, Taylor & Francis, Boca Raton, FL, 2013.
105. *e-Study Guide for The Elements of Advanced Mathematics*, 3rd ed., Cram101, 2014.
106. *Geometric Analysis of the Bergman Kernel and Metric*, Birkhäuser Publishing, 2013.
107. *A Guide to Functional Analysis*, Mathematical Association of America, Washington, D.C., 2013.
108. (with K. Kaiser and B. Wegner) *Topics and Issues in Electronic Publishing*, `http://www.math.uh.edu/~hjm/JMM_Book`.
109. (with R. Douglas, E. Sawyer, S. Treil, and B. Wick), *Proceedings of the Fields Workshop on the Corona Problem*, Springer, New York, 2014.
110. (with P. Casazza and R. Ruden) *I, Mathematician*, vol. 1, Mathematical Association of America, 2015.
111. (with P. Casazza and R. Ruden) *I, Mathematician*, vol. 2, COMAP, Bedford, MA, 2016.
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113. *Solutions Manual for Real Analysis and Foundations*, 3rd ed., Taylor & Francis/CRC Press, 2013.
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115. (with L. Fontana and M. Peloso), *Hodge Theory in the Sobolev Topology for the De Rham Complex*, American Mathematical Society, Providence, RI, 1998.
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117. *Convex Analysis*, Taylor & Francis, Boca Raton, FL, 2015.
118. *The Theory and Practice of Conformal Geometry*, Dover Publishing, 2016.
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122. *Harmonic and Complex Analysis in the Several Variables*, Springer, 2017.
123. *Real Analysis and Foundations*, 4th ed., Taylor & Francis/CRC Press, 2016.

124. *Instructor Solutions Manual for Real Analysis and Foundations*, 4th ed., Taylor & Francis/CRC Press, 2016.
125. *Student Solutions Manual for Real Analysis and Foundations*, 4th ed., Taylor & Francis/CRC Press, 2016.
126. (chapter) Cristina Pereyra, *Harmonic Analysis, Partial Differential Equations, Complex Analysis, Banach Spaces, and Operator Theory. Celebrating Cora Sadosky's Life*, Volume 1, 2016.
127. *Essentials of Mathematical Thinking*, Taylor & Francis, Boca Raton, FL, 2017.
128. *Handbook of Complex Analysis*, Taylor & Francis, Boca Raton, FL, 2017.
129. *Transition to Analysis with Proof*, Taylor & Francis, Boca Raton, FL, 2017.

130. Student's Solutions Manual to *Basics of Real Analysis*, Taylor & Francis, Boca Raton, FL, 2017, to appear.
131. Instructor's Solutions Manual to *Basics of Real Analysis*, Taylor & Francis, Boca Raton, FL, 2017, to appear.
132. *The Elements of Advanced Mathematics*, 4th ed., Taylor & Francis, Boca Raton, FL, 2017.
133. Solutions Manual to *The Elements of Advanced Mathematics*, 4th ed., Taylor & Francis, Boca Raton, FL, 2017, to appear.
134. *A Primer of Mathematical Writing*, 2nd ed., American Mathematical Society, 2017.
135. *Elementary Introduction to the Lebesgue Integral*, Taylor & Francis, 2018.
136. *Fourier Analysis and Differential Equations with Wavelets*, Taylor & Francis, to appear.
137. *Complex Variables: A Physical Approach*, 2nd edition, CRC Press, 2019.
138. *An Episodic History of Mathematics: Mathematical Culture through Problem Solving*, Arabic Edition, Translation Center at King Saud University, 2019.
139. *Complex Analysis with Real Foundations*, Springer, to appear.
140. (with Arni Rao) a chapter entitled "Mathematical models for understanding

social distancing measures : general setting and analysis" in *Recent Developments in the Mathematical Modeling and Analysis of Infections*, Praveen Agarwal, Juan Nieto, Delfim Torres eds., Springer, New York, to appear.

141. (with Arni Rao) From Wavelets and Differential Equations to Fisher-Rao Metrics and Conformal Mapping: the COVID-19 Modeling and Geographic Distances of Collaborators, a chapter in *Math in the Time of Corona*, Springer, New York, 2020.
142. (with Arni Rao) a chapter entitled "Intensive Collaborative Work on COVID-19 Modeling" in *Math in the Time of the Corona*, Springer, New York, 2020.
143. (with Arni Rao) Continued and serious lockdown could have minimized many newly transmitted cases of COVID-19 in the U.S.: wavelets, deterministic models, and data, a chapter in *Mathematical Modelling and Analysis of Infectious Disease Problems (COVID-19) and Their Global Impact*, Praveen Agarwal, Juan J. Nieto, Michael Ruzhansky, and Delfim. F. M. Torres, eds., Springer, Singapore.
144. *Real Variable Hardy Spaces à la E. M. Stein*, Birkhäuser Publishing, to appear.
145. *The Elements of Advanced Mathematics*, 5th edition, CRC Press, 2022.
146. *Real Analysis and Foundations*, 5th edition, CRC Press, to appear.
147. *Differential Equations: Theory, Technique, and Practice*, 3rd edition, CRC Press, to appear.
148. (with Arni Rao and C. R. Rao), *Artificial Intelligence*, Handbook of of Statistics 49, Academic Press, Cambridge, MA, 2023.
149. (with Peter Dovbush), *Normal Families and Normal Functions*, to appear.
150. *Complex Analysis: The Geometric Viewpoint*, Chinese edition, Higher Education Press, 2021.
151. (with B. Blank), *WileyPLUS Card for Calculus: Single and Multivariable.*
152. (with B. Blank), *WileyPLUS Card for Calculus: Single Variable.*
153. (with B. Blank), *WileyPLUS Card for Calculus: Multivariable.*
154. *A Guide to Complex Variables*, Chinese edition, Higher Education Press, 2022.
155. (with Robert E. Greene) *Function Theory of One Complex Variable*, Chinese Edition, 2011.

156. (with Brian Blank) *Student Solutions Manual to Accompany Calculus: Multivariable*, Key Curriculum Press, 2011.
157. (with Brian Blank) *Calculus, Instructor Solutions Manual: Single Variable*, Key Curriculum Press, 2008.
158. (with Brian Blank) *Calculus, Instructor Resources: Single and Multivariable*, Key Curriculum Press, 2003.
159. (with James R. Munkres and Harold R. Parks) *The Elements of Algebraic Topology*, Taylor & Francis Publishing, to appear.
160. (with Harold R. Parks) *Vector Calculus*, Taylor & Francis, to appear.
161. (with Peter Dovbush) *The Geometric Theory of Complex Variables*, to appear.
162. (with Gordon Chen) *Animal Shapes, Modal Analysis, and Applications*, Cambridge University Press, to appear.
163. (with Peter Dovbush) *One Complex Varsiable from the Several Variable Point of View*, Taylor and Francis, Boston, 2025.
164. *Complex Analysis: Geometry View*, 2nd edition, Chinese version.
165. *Novo Livro de Receitas*, Portuguese Brazilian edition of *Calculus Demystified*, ALTA Books, 2014.
166. *Tankoban Hard Cover*, Japanese version of *How to Teach Mathematics*, 1998.

167. (with Robert E. Greene), *Function Theory of One Complex Variable*, Japanese Edition, 3rd edition.
168. *Points: The Key to Analysis*, Chinese Edition, 2020.
169. (with Arni Rao), *Mathematical Functions and AI*, in preparation.
170. (with Arni Rao), *Mathematical Modeling for the Life Sciences*, in preparation.
171. *Essentials of Topology: Theory and Practice*, 2nd ed., Taylor & Francis, Boston, MA, 2026.
172. (with Arni Rao), *Linear Algebra with Applications*, in preparation.
173. *Convex Analysis*, 2nd ed., Taylor & Francis, Boston, MA, 2026.
174. (with Peter B. Dovbush), *The Schwarz Lemma: Classical Roots and Modern Branches*, to appear.
175. (with Peter B. Dovbush), *Integral Kernels and Geometry in Several Complex Variables*, in preparation.

GRADUATE STUDENTS DIRECTED

Jeffrey Hanock, M.A., 1978
Frank Kozakowski, M.A., 1978
Gary Massion, M.A., 1978
Curtis La Mack, M.S., 1983
Thomas Szekely, M.S., 1983
Kyle Hunter, M.S., 1984
Cynthia Wilson, M.S., 1985
Gerardo Aladro, Ph.D., 1985
Paul MacMillan, M.S., 1986
Amy Rush, M.S., 1986
Daowei Ma, Ph.D., 1990
Chen Zhenhua, Ph.D., 1990
Estela Gavosto, Ph.D., 1990
Marco Peloso, Ph.D., 1990
Jiye Yu, Ph.D., 1993
Xiaojun Huang, Ph.D., 1994
Siqi Fu, Ph.D., 1994
Fausto di Biase, Ph.D., 1995
Tristan Nguyen, Ph.D., 1997.
Bao Luong, Ph.D., 1997.
Judy Kenney, Ph.D., 1997.
Dylan Retsek, Ph.D., 2001.

Lynn Apfel, Ph.D., 2003.
Seth Howell, Ph.D., 2004.
Lina Lee, Ph.D., 2007.
Bennett Standeven, Ph.D., 2009.
Baili Min, Ph.D., 2011.
Liwei Chen, Ph.D., 2015.
Bingyuan Liu, Ph.D., 2015.

INVITED LECTURES GIVEN

1975	Claremont Graduate School American Mathematical Society Summer Institute on Several Complex Variables University of California at Santa Cruz
1976	University of California at Berkeley California Institute of Technology
1977	Universite de Paris-Sud Several Complex Variables Seminar Universiteë de Paris-Sud Harmonic Analysis Seminar
1978	American Mathematical Society Summer Institute on Harmonic Analysis
1979	Princeton Conference on Several Complex Variables Claremont Graduate School Principal Speaker, regional MAA Conference, U. C. Riverside California State Polytechnic University, San Luis Obispo South California Functional Analysis Seminar

1980 Claremont Colleges
University of California at Berkeley
Michigan State University
University of South Carolina
University of North Carolina
University of Tennessee
University of New Mexico
University of Chicago
DePaul University
University of Kentucky
Washington University
Princeton University
Institute for Advanced Study
University of Arkansas
University of California at Davis
Matematisches Forschungsinstitut Oberwolfach

1981 University of North Carolina
American Mathematical Society meeting in Pittsburgh
Princeton University

1982 American Mathematical Society meeting in Bryn Mawr
American Mathematical Society meeting in Madison
University of Toronto

1983 Rutgers University
King's College
Matematisches Forschunsingstitut Oberwolfach

1984 University of Uppsala
Mittag-Leffler Institute
Swedish Mathematics Society
University of Oslo
Bryn Mawr College
Peking University
Stanford University
University of California at Berkeley
Johns Hopkins University
University of Maryland
Washington University

1985 University of Pittsburgh
Tulane University
Lehigh University
Princeton University
University of North Carolina
University of Georgia
Lehigh University
University of Chicago

1986 Florida International University
University of South Carolina
University of Maryland (principal speaker, complex analysis year)
University of Umeå
University of Trondheim
Swedish Mathematical Society
University Autonoma de Madrid
Purdue University

1987 University of California at Berkeley
Stanford University
University of California at Santa Cruz
University of Illinois at Urbana
Princeton University
Matematisches Forschungsinstitut Oberwolfach
Texas A& M University
Rice University
Indiana University
International Conference on Mathematical Modeling
Stanford University

1988 University of North Carolina
University of Arkansas
University of Kansas
University of Massachusetts at Amherst
Mittag-Leffler Institute
Swedish Mathematical Society
University of Umeå
Universite Paul Sabatier
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1989 University of Wisconsin, Eau Claire
Purdue University
Univ. of Notre Dame
Int'l Complex Analysis Conference, Cetraro, Italy
Kansas State University
Wichita State University

1990 Temple University
University of Toronto
Oregon State University
University of Washington
Indiana University
Southern Illinois University
Mathematisches Forschungsinstitut Oberwolfach
National Academy of Sciences "Frontiers of Science" Forum

1991 University of Maryland
Brown University
Yale University
University of Michigan
Cornell University

1992 University of North Florida
University of California at San Diego
St. Louis University
George Mason University (10 lectures)
Universite de Paris VI
University of Michigan
Oklahoma State University
Indiana University
University of Massachusetts

1993 Southeastern Functional Analysis Conference
Politecnico Torino
University of Florence
University of Rome
Summer Research Institute on Operator Theory, Seattle
University of Arkansas
Oregon State University
Wichita State University

1994 Clemson University
University of Cincinnati
Northwestern University
Univ. of Illinois, Chicago
Geometry Conference, Cetraro, Italy
Univ. of Missouri, Rolla
Univ. of Chicago
Univ. of Maryland

1995 AMS Special Session, San Francisco
University of Edinburgh
Meramec College
Australian National University
MacQuarie University
University of Adelaide
University of Sydney
AMS Special Session, Burlington
University of Washington, Seattle
University of California at Berkeley

1996 Mathematical Sciences Research Institute
University of California at Berkeley (colloquium)
University of California at Berkeley (seminar)
Oregon State University
Virginia Polytechnic Institute ("Students' Choice Lecturer")
Rose-Hulman Institute of Technology
University of Tennessee (Distinguished Speaker Series)

1997 Special Session on Complex Analysis, AMS Nat'l. Meeting in Seattle
Special Session on Geometry, AMS Nat'l. Meeting in Seattle
University of Central Arkansas
Hendrix College
Ohio State University
University of Missouri, Columbia
Pohang Institute of Technology, Korea
Conference in Memory of Lars V. Ahlfors, Stanford
Boston College
Texas A&M
Stanford University

1998 University of S. Florida
Indiana University
Butler University
Principal Speaker, Conference on Function Spaces
SIUE Edwardsville
University of North Carolina
Principal speaker, Hayama (JAPAN) Conference on Complex Geometry
Principal speaker and organizer, Korean Several
Complex Variables Conference, Seoul

1999	University of Maryland
	UCLA
	University of Wyoming
	Special Session, AMS, Salt Lake City
2000	Special Session, AMS, Washington, D.C.
	Department of Mathematics, Michigan State University
	Computational Biology Group, Michigan State University
	Carleton College
	University of Sardinia, Italy
	University of Florence, Italy
	University of Rome II, Italy
	Conference at Lake Como, Italy
2001	Distinguished Lecturer, Allegheny College
	University of Arkansas
	Seoul National University
2002	MEGSL Conference, St. Louis
	Court Lecturer of the MAA
	Discrete Geometry Conference, Tallahassee
	Functional Analysis Conference, Edwardsville
	Distinguished Lecturer, MAA Meeting, Claremont
2003	Penn State University
	Bowdoin College

2004 Di Giorgi Institute, Pisa, Italy
American Cleft Palate-Craniofacial Association, Chicago
lecture delivered by collaborator Alex Kane
Oregon State University (Arvid Longseth Lecturer)
Work in Teams, Banff International Research Station
University of Missouri at Rolla
Stanford University
University of Washington
University of Santa Clara
University of California, Irvine
MSRI/Evans lecture series

2005 Principal Lecturer, Annual AMS/MAA meeting in Atlanta
American Cleft Palate-Craniofacial Association, Myrtle Beach
lecture delivered by collaborator Petra Jacobsen
Principal Lecturer, MAA Regional Meeting, Moraga
San Jose State University Math Adventures Lecture
Principal Lecturer, SEAM Meeting, William & Mary College
Colloquium, Univ. of Santa Clara, 2004
Sarason seminar, U. C. Berkeley, 2004
Evans/Christ seminar, U. C. Berkeley, 2005
Colloquium, U. C. Berkeley, 2005
Sarason seminar, U. C. Berkeley, 2005

2006 AAAS Symposium
Colloquium, Fresno State University

2007 Colloquium, Tulane University
Colloquium, UC Santa Cruz
Colloquium, Stanford University
Organizer, Conference at Banach Center

2008	Colloquium, San Francisco State University
	Colloquium, Kansas State University
	Stanford University Logic Seminar
	Colloquium, Purdue University
2009	Colloquium, Purdue University
	Seminar, Purdue University
	Colloquium, University of Pittsburgh
	Seminar, University of Michigan
	"What Is?" seminar, University of Michigan
	Colloquium, University of Michigan
	Schrödinger Institute of Theoretical Physics
2010	University of Notre Dame
	Miami University in Oxford, Ohio
	St. Francis College
2011	Harris Stowe College
	University of Wisconsin in Eau Claire
	Chapman University
2012	AMS Special Session on Learning Analysis
	Fields Institute of Mathematics Plenary Talk
2014	Plenary Speaker at MAA meeting, SIUE Edwardsville
	Principal Speaker, Conference on Function Spaces SIUE Edwardsville
2015	Distinguished Speaker, University of Central Florida
	Knox College
2016	Plenary Speaker, SIU Mathematics Conference, Carbondale
	Colloquium Speaker, University of California at Riverside
2018	Colloquium Speaker, Georgetown University
	Keynote speaker, MAA meeting, Hofstra University
2019	Colloquium Speaker, Rutgers University
	Colloquium Speaker, Illinois Wesleyan University
2020	Plenary Speaker, minisymposium on COVID-19, Elsevier.
	Plenary Speaker, webinar on COVID-19, National School of Applied Sciences of Fez, Morocco
2021	Plenary speaker, conference to honor Marco Peloso, Milan
	Plenary speaker, conference on Bergman kernel, Warsaw

2022 speaker, special session, annual AMS meeting

GRANTS AND OUTSIDE SUPPORT

1975 - 2006:	National Science Foundation Summer Research Grant
1983:	Research Initiation Grant at Pennsylvania State University
1987:	Mathematical Research Equipment Grant from the National Science Foundation
1988:	Biological Research Grant from Washington University
1988:	Graduate Education Grant in Areas of National Need from the Department of Education
1989:	Special Projects Grant from the National Science Foundation for the 1989 American Mathematical Society Summer Research Institute
1989-96:	Undergraduate Research Experience Grant from the National Science Foundation
1992-93:	Fund for the Improvement of Post-Secondary Education Grant for developing the book *How to Teach Mathematics*
1993-4:	Kemper Foundation Grant for Developing a Course on Problem Solving at Washington University and an accompanying text
1996-8:	Group Infrastructure Grant, National Science Foundation
1996-1998:	Group Research Grant in Analysis
1999:	SEGR Grant, National Science Foundation
1999–2001:	NSF Summer Research Grant
2000:	SEGR Grant, National Science Foundation
2000:	Grant to run Holomorphic Mappings Conference, National Science Foundation
2000:	National Need Grant, Department of Education
2001–2003:	NSF Summer Research Grant
2002:	National Need Grant, Department of Education
2005:	Research Grant from Dean of Graduate School at Washington University
2007:	NSF Grant to run conference at Banach Center
2012:	NSF Grant to run conference at Fields Institute
2021:	NSF Grant to study the COVID-19 virus.

OTHER ACTIVITIES

Reviewer for *Mathematical Reviews*

Reviewer for *Zentralblatt für Mathematik*

Referee for the National Science Foundation

Referee for
Annals of Mathematics,
Proceedings of the American Mathematical Society,
Duke Journal of Mathematics,
Pacific Journal of Mathematics,
Annali Scuola Norm. Sup. Pisa,
Indiana Journal of Mathematics,
and other journals

Panel member, NSF Centers of Science and Technology Program, 1989

Panel member, NSF Instrumentation and Laboratory Improvement Grant Program, 1992

Panel member, NSF Calculus and First Two Years Teaching Grant Program, 1993

Panel member, NSF Curriculum Development Program, 1994

Associate Editor, the NEW *Notices* of the AMS, 1995-

Associate Editor Committee, *American Mathematical Monthly*, 1996-

Associate Editor, *Complex Variables*, 1994-present

Member at Large of Council of the American Mathematical Society, 1993-1995

Member of the Executive Committee of the American Mathematical Society, 1995-1999

Appointed Executive Committee representative to the AMS Council, 1996-1999

Member, AMS Committee on Publications, 1995-1998.

Chairman of the AMS Committee on Publications, 1995-1996

Chairman of the AMS President's Taskforce on Electronic Journals, 1995

Chairman of the AMS Long Range Planning Committee, 1997-2000

Chief Editor of the Carus Monograph Series for the MAA, 1997-2000

Member of outside review committee, Univ. of Oregon

Editorial Consultant for Harper & Row, Wadsworth, Saunders, John Wiley and Sons, Addison-Wesley, Benjamin Cummings, Springer Verlag

Founder and Consulting Editor, CRC Press *Studies in Advanced Mathematics* Book Series

Founder and Managing Editor, *Journal of Geometric Analysis*

Editor-in-Chief, *Journal of Mathematical Analysis and Applications*, 2000–

Founder and Managing Editor, Complex Analysis and its Synergies

Editorial Board, Journal of Humanistic Mathematics.

Editor, *Advances in Nonlinear Analysis*

Software Consultant, Natoli Engineering

Panel Member, AMS Forum on Employment, 1995

Panel Member, Forum on How to Give a Lecture, AMS, 1996

Panel Member, Forum on Set Theory and Logic, AMS, 1996

Member, Board of Advisors, American Institute of Mathematics, 1997–

Member, Putnam Exam Problems Committee of the MAA, 1998–2000

Member of Research Group to Develop Computer Graphic Tools in Aesthetic Rhinoplasty, 1996–

Helped revise the Math Reviews Subject Classification System, 1999

Chairman, Department of Mathematics, Washington University in St. Louis, 1999–2004

Natural Sciences Division Head, Washington University in St. Louis, 2002–

Member, Panel to Discuss Future of Harmonic Analysis, Edwardsville, 2002

Member of Research Group to Study Unicoronal Synostosis

Editor, Birkhäuser Advanced Texts series

Editor, Walter Rudin Series of Advanced Texts for McGraw-Hill Publishing

Member of Editorial Board, *Notices of the AMS*, 2004–

Book Review Editor, *Notices of the AMS*, 2004–

Member of Book Review Board, *Bulletin of the AMS*, 2003–

Deputy Director, American Institute of Mathematics, 2006–2008

Member of the AMS Committee on Committees, 2008-

Managing Editor of the Notices of the AMS, 2010-2015

Associate Editor, *Complex Variables and Elliptic Equations*

Associate Editor, *Bulletin of the American Mathematical Society*

Associate Editor, *American Mathematical Monthly*

Editor-in-Chief, *Methods of Complex Analysis*

Member of Outside Review Committee, University of South Florida, 2010

Editorial Board, *Bulletin of Mathematical Sciences*, 2024–

References

- Steven R. Bell, Department of Mathematics, Purdue University, West Lafayette, Indiana 47907-2067
- John Erik Fornæss, Department of Mathematics, University of Michigan, Ann Arbor, Michigan 48109-1109
- Robert E. Greene, Department of Mathematics, University of California at Los Angeles, Los Angeles, California 90095-1555
- Kang-Tae Kim, Department of Mathematics, Pohang University of Science and Technology, Pohang, SOUTH KOREA
- Harold R. Parks, Department of Mathematics, Oregon State University, Corvallis, Oregon 97331-4605
- Yum-Tong Siu, Department of Mathematics, Harvard University, Cambridge, Massachusetts 02138-2901