Updated: October 2011

BIOGRAPHICAL SKETCH

NAME:David R. LarsonPLACE OF BIRTH:Superior, WisconsinMARITAL STATUS:MarriedNO. OF CHILDREN: 2

CURRENT OFFICE ADDRESS AND TELEPHONE NUMBER

Department of Mathematics Texas A&M University

College Station, Texas 77843 larson@math.tamu.edu http://www.math.tamu.edu/~larson

CITIZENSHIP:

U.S.

EDUCATION

M.A.	1973	University of California, Berkeley
Ph.D.	1976	University of California, Berkeley

PROFESSIONAL EXPERIENCE

Graduate Assistant	1973-76	University of California, Berkeley
Assistant Professor	1976-80	University of Nebraska, Lincoln
Associate Professor	1981-83	University of Nebraska, Lincoln
Visiting Senior Scholar	1984, Spring	Leeds University, England
Professor	1984-86	University of Nebraska, Lincoln
Visiting Full Professor	1986, Fall	University of Pennsylvania, Philadelphia
Professor	1987-present	Texas A&M University

PROFESSIONAL RECOGNITION

- 1. Who's Who in Science and Engineering
- 2. Who's Who Among America's Teachers, 1996, 2000
- 3. TAMU Mathematics Department Teaching Award, Spring 1996
- 4. Who's Who in the World
- 5. 2005 Association of Former Students Distinguished Teaching Award, College Level
- 6. 2006 Association of Former Students Distinguished Teaching Award, University Level

SPECIALIZATION

Functional Analysis, Operator Algebras, Operator Theory, Frame Theory

MEMBERSHIPS

- 1. American Mathematical Society
- 2. Mathematical Association of America

GRANTS HELD

- 1. National Science Foundation Faculty Research Grant, MCS77-01971, 1977-80, Operator Algebras
- 2. National Science Foundation Faculty Research Grant, MCS80-03617, 1980-83, Operator Algebras
- 3. National Science Foundation, Faculty Research Grant, MCS83-01740, 1983-86, Operator Algebras and Operator Theory

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- 4. S.E.R.C. Visiting Scholar Grant, April and May, 1984.
- 5. National Science Foundation Faculty Research Grant DMS-9844359, 1986-89, Operator Algebras and Operator Theory.
- 6. National Science Foundation Faculty Research Grant DMS-8903317, 1989-91, Operator Algebras and Operator Theory (with R. Smith).
- National Science Foundation Mathematical Sciences Research Group [MSRG] Workshop in Linear Analysis and Probability Grant DMS-8921369 (with W. Johnson, G. Pisier, and J. Zinn), 1990-93, \$260,120.
- 8. National Science Foundation Faculty Research Grant DMS-9107137, 1991-94, Operator Algebras and Operator Theory (with R. Smith), \$166,780.
- 9. National Science Foundation Mathematical Sciences Research Group [MSRG] Workshop in Linear Analysis and Probability Grant DMS-9311902, 1993-97 (with W. Johnson, G. Pisier and J. Zinn), \$306,450.
- 10. National Science Foundation Mathematical Sciences Research Grant DMS-9401544, 1994-97 Operator Algebra and Operator Theory, (D. Larson alone), \$121,620.
- National Science Foundation Mathematical Sciences Research Grant DMS-9706810, 1997-2000, Operator Algebra, Operator Theory and Applications, (D. Larson alone), \$153,000; Equipment supplement \$4000; REU supplement \$4150.
- 12. National Science Foundation Mathematical Sciences Research Grant DMS-0070796, 2000-2004, Operator Algebras and Wavelets, (D. Larson alone), \$141,000; REU supplement \$2500; foreign travel supplemt \$1400; equipment supplement \$7200 (for a computer, which my grad student Troy Henderson built from components for our research on frame theory).
- 13. Proposal for a workshop at the Oberwolfach Mathematics Institute, Oberwolfach, Germany, was funded for Feb 2004. I was a co-organizer, We had 25 international participants.
- 14. National Science Foundation Workshop Grant: Great Plains Operator Theory Symposium, 2004-2005. I was the main organizer of this conference and was the PI on this grant proposal. We had 125 participants from 15 countries. About 25% were graduate students. \$13,000.
- 15. Proposal for a Special Semester at the University of Vienna for Spring 2005 was funded. I was a co-proposer, as a member of my FRG group. Our group established an informal cooperation with the Numerical Harmonic Analysis Group (NuHAG) at the University of Vienna. NuHAG is itself part of the European HASSIP network funded by the European Commission.
- 16. National Science Foundation Focused Research Group [FRG] Program: "Collaborative Research: Focused Research on Wavelets, Frames, and Operator Theory", July 1, 2002 to June 30, 2005, extended for two more years to June 30, 2007;
- 17. National Science Foundation Workshop Grant: *Workshop in Analysis and Probability*, DMS-0601926, 2006-09 and 2009-2012(joint with W. Johnson, G. Pisier, J. Zinn).
- 18. National Science Foundation: Texas A&M University Research Experience for Undergraduates [REU] Site proposal; I have been an associated senior mentor on this grant 2000-present.
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GRADUATE STUDENTS ADVISED

1. Ph.D. graduates of Larson:

(1) Xingde Dai (1990), first position: University of North Carolina, Charlotte, (tenure-track); His thesis was published "Journal of Functional Analysis"; He is now a Full Professor at UNCC.

(2) Timothy Hudson (1992), first position: University of Waterloo, (2-year postdoc); His thesis was published in the "Proceedings of the London Mathematical Society". He took a tenure-track position at East Carolina University, and he was awarded an NSF individual investigator award. He was promoted to tenured Associate Professor. He is currently Chair of the Math. Department at Southeastern Louisiana University.

(3) Allan Donsig (1993), first position: University of Lancaster, England, (NSERC postdoc with permission to leave Canada); His thesis was published in "Journal of Functional Analysis". He is presently a tenured Associate Professor at the University of Nebraska, Lincoln.

(4) Keith Coates (1993), first position: Illinois Wesleyan University; (thesis directed jointly with R.R. Smith); He is currently a tenured Associate Professor at Drury University, Springfield, MO.

(5) Randall Crist (1993), first position: Creighton University, Omaha, NE; (thesis directed jointly with R.R. Smith); He has tenure at Creighton.

(6) Vishnu Kamat (1997); He is presently with Motorola Corp., Austin.

(7) Shijin Lu (1997); He is presently with [INSO] Corporation, Providence, RI.

(8) Deguang Han (1998); first position: 2-year postdoctoral fellowship at McMaster University; Currently a Full Professor at the University of Central Florida, Orlando.

(9) Qing Gu (1998); first position: Visiting Assistant Professor at UNC-Charlotte; Next position a postdoctoral fellow at Peking University; Current position: Associate Professor at East China Normal University, Shanghai.

(10) Xiaofei Zhang (2001); Sophie has worked in industry in Dallas since she graduated.

(11) Troy Henderson (2005); First position: a named postdoc at West Point Military Academy; The recipient of a Davies fellowship for research; Current position: tenure-track Assistant Professor at the University of Mobile.

(12) Nga Nguyen (2008); She currently holds a position at the Institute of Mathematics, Hanoi, Vietnam.

INVITED RESEARCH TALKS

- 1. University of Kansas, April 1977, seminar.
- 2. University of Alabama, January 1978, colloquium.
- 3. American Mathematical Society Meeting (Special Session), Iowa City, IA, April 1979, 20 Min.
- 4. Texas Tech University, December 1980, colloquium.
- 5. Great Plains Operator Theory Seminar (GPOTS-1981), Lawrence, KS, May 1981, half-hour talk; (Note: This was the first official edition of GPOTS.)
- 6. Sixth International Operator Theory Conference, Timisoara, Romania, June 1981, hour talk.

- 7. Conference on Factorization Problems in Functional Analysis, Santa Monica, CA, August 1981, half-hour talk.
- 8. International Conference on the Mathematical Theory of Networks and Systems, Santa Monica, CA, August 1981, half-hour talk.
- 9. American Mathematical Society Annual Meeting (Special Session), Denver, CO, January 1983, 20 min. talk.
- 10. National Science Foundation Regional Conference (William Arveson), Lubbock, TX, August 1983, (special one-hour lecture).
- 11. Texas A&M University, January 1984, seminar.
- 12. University of Houston, January 1984, colloquium.
- 13. University of Georgia, February 1984, colloquium.
- 14. University of Alabama, February 1984, colloquium and seminar.
- 15. King's College, University of London, April 1984, two-hour seminar.
- 16. Trinity College, Dublin, May 1984, colloquium.
- 17. University of Glasgow, May 1984, colloquium.
- 18. University of Newcastle, May 1984, seminar.
- 19. University of Leeds, May 1984, colloquium.
- 20. Iowa State University, February 1985, colloquium.
- 21. Arizona State University, March 1985, colloquium.
- 22. S.U.N.Y.-Buffalo, March 1985, seminar.
- 23. Great Plains Operator Theory Seminar (GPOTS-1985), Texas A&M University, May 1985, half-hour talk.
- 24. Florida Atlantic University, February, 1986, colloquium.
- 25. Special Year in Operator Theory, Conference on "Asymmetric Operator Algebras," 5 special one hour lectures, March 10-14, 1986, Indiana University.
- 26. Great Plains Operator Theory Seminar (GPOTS-1986), April, 1986, University of Cincinnati, half-hour talk.
- 27. University of Pennsylvania, October 1986, seminars.
- 28. Texas A&M University, November 1986, colloquium.
- 29. Great Plains Operator Theory Seminar (GPOTS-1987), University of Kansas, May 1987, half-hour talk.
- 30. Functional Analysis Electrical Engineering Conference, Phoenix, June 1987, half-hour talk.
- 31. Operator Algebras Conference, Durham, England, July 1987, hour talk.
- 32. American Math. Society Meeting (Special Session), Lincoln, Nebraska, October 1987, 20 min.
- 33. University of North Carolina, November 1987, seminar.
- 34. UTAMIRFAS, Austin, March, 1988, one-hour.
- 35. American Math. Society Summer Research Institute, "Operator Theory/Operator Algebras and Applications," special one-hour lecture, July 1988, University of New Hampshire, Durham.
- 36. Great Plains Operator Theory Symposium (GPOTS-1989), May 1989, University of Houston, half-hour talk; (Note: This was the first time GPOTS was officially called a "symposium").
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- 37. University of North Carolina, December, 1989, a main speaker in a mini-conference.
- 38. Great Plains Operator Theory Symposium (GPOTS-1990), April 1990, Albuquerque, half-hour talk.
- 39. NSF-CBMS Regional Conference for Paul Muhly, (one-half hour talk), May 1990.
- 40. University of Cincinnati, May 1990, colloquium.
- 41. University of California San Diego, July, 1990, seminar.
- 42. University of Texas San Antonio, November, 1990, colloquium.
- 43. University of Waterloo, Ontario, February, 1991, seminar.
- 44. University of North Carolina, June, 1991, colloquium.
- 45. University of California San Diego, July, 1991, seminars.
- 46. American Math. Society Meeting (Special Session), Fargo, ND, October 1991, 20 min.
- 47. University of Nebraska, Lincoln, March 1992, colloquium and seminar.
- 48. American Math. Society Meeting (Special Session), Tuscaloosa, AL, March 1992, 20 min.
- 49. Great Plains Operator Theory Symposium (GPOTS-1992), May 1992, University of Iowa, half-hour.
- 50. University of Nanjing, China, June 1992, one hour.
- 51. Zhaozhung College, China, June 1992, one hour.
- 52. Qufu Normal University, China, June 1992, Five special one-hour lectures. (I was the main speaker at a small conference in Qufu organized around my 10-day visit to China.)
- 53. University of New Mexico, Albuquerque, October 1992, colloquium and seminar.
- 54. American Math. Society Meeting (Special Session), Dayton, OH, October 1992, 20 min.
- 55. University of North Carolina, Chapel Hill, November 1992, colloquium, and a main speaker in a mini-conference.
- 56. University of North Carolina, Charlotte, November 1992, colloquium.
- 57. University of California, Berkeley, December 1992, Functional Analysis Colloquium.
- 58. University of Alabama, Tuscaloosa, March 1993, colloquium.
- 59. Conference on "The Interaction between Operator Theory, Control Theory, and Wavelets", sponsored by NSF, USAF and NSA, May 1993, Charlotte, North Carolina, one of four main speakers. (The others were C. Chui, C. Foias and V. Wickerhauser.)
- 60. Great Plains Operator Theory Symposium (GPOTS-1993), June 1993, Boulder, CO, half-hour.
- 61. Southwest Texas State Univ., San Marcos, July 1993, colloquium.
- 62. University of Waterloo, Ontario, July 1993, seminar.
- 63. American Mathematical Society Annual Meeting (Special Session), Cincinnati, OH, January 1994, 20 min.
- 64. American Mathematical Society Meeting (Special Session), Manhattan, KS, March 1994, 20 min.
- 65. University of California, Irvine, March 1994, colloquium and seminar.
- 66. University of California, San Bernardino, March 1994, colloquium.
- 67. University of North Carolina, Charlotte, April 1994, colloquium (three talks).
- 68. Texas Christian University, Fort Worth, October, 1994, colloquium.
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- 69. Great Plains Operator Theory Symposium (GPOTS-1994), May 1994, University of Nebraska, one of eight main speakers.
- 70. East Carolina University, Greenville, NC, November 1994, colloquium.
- 71. North Carolina Functional Analysis Conference, Greenville, NC, November 1994, the main speaker.
- 72. American Mathematical Society Meeting (Special Session), San Francisco, January, 1995, 20 min.
- 73. South Eastern Analysis Meeting (SEAM), Atlanta, GA, March 1995, one of four main speakers. (The others were R. Curto, P. Duren and C. Foias.)
- 74. University of Alabama, Tuscaloosa, April 1995, colloquium.
- 75. NSF-sponsored Conference on "Control Theory and Math. Analysis", Tuscaloosa, AL, April 1995, 30 min.
- 76. Great Plains Operator Theory Symposium (GPOTS-1995), Cincinnati, OH, May 1995, 20 min.
- 77. University of North Carolina, Charlotte, April 1995, colloquium.
- 78. University of Wisconsin, Superior, November 1995, colloquium.
- 79. American Mathematical Society Annual Meeting (Special Session), Orlando, FL, January 1996, 20 min.
- 80. University of North Carolina, Charlotte, April 1996, colloquium.
- Center for Approximation Theory Annual Symposium, College Station, TX, April 1996, 40 min.
- Great Plains Operator Theory Symposium (GPOTS-1996), Phoenix, AZ, May 1996, 20 min.
- 83. Conference on "Wavelet Theory and Relations with Operators", Charlotte, NC, sponsored by NSF and USAF, July 1996, one of four main speakers. (The others were John Benedetto, Charles Chui and Guido Weiss.)
- 84. N.A.T.O. Advanced Study Institute on "Operator Algebras, Operator Theory, and Applications", Samos, Greece, August 1996, a main speaker.
- 85. Washington University, St. Louis, November 1996, colloquium.
- 86. Great Plains Operator Theory Symposium (GPOTS-1997), Kingston, Ontario, May 1997, 20 min. talk; (Note: This was the first joint GPOTS/COSY meeting.)
- 87. Shanghai Operator Algebra and Operator Theory Conference, Shanghai, China, July 1997, a main speaker.
- 88. Wabash Conference, Indianapolis, IN, September 1997, a main speaker.
- 89. Nanjing University, Nanjing, China, July 1997, colloquium.
- 90. Peking University, Beijing, China, July 1997, colloquium.
- 91. American Mathematical Society Meeting (Special Session), Baltimore, MD, January 1998. (I could not give this talk due to my father's death.)
- 92. American Mathematical Society Meeting (Special Session), Manhattan, KS, March 1998.
- 93. Canadian Operator Theory Symposium (COAS), Edmonton, Alberta, May 1998, a main speaker.
- 94. Washington University, St. Louis, March 1999, research seminar.
- 95. University of Houston, April 1998, colloquium.
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- 96. University of Nebraska Centennial Mathematics Conference, Lincoln, April 1998, a main speaker.
- 97. Center of Approximation Theory Symposium, Texas A&M University, April 1998, 45 minute talk.
- 98. SUMIRFAS-1998, College Station, hour talk.
- 99. University of Wisconsin, Superior, September 1998, a research colloquium and a recruiting seminar.
- 100. University of New Hampshire, Durham, December 1998, colloquium.
- American Mathematical Society, Special Session on Operator Algebras and their Applications, 20 min. talk, San Antonio, TX, January 1999.
- 102. University of North Carolina, Charlotte, February 1999, research seminar.
- 103. University of Toronto, Toronto, Ontario, March 1999, colloquium.
- 104. McMaster University, Hamilton, Ontario, March 1999, colloquium.
- 105. Vanderbilt University, Nashville, April 1999, colloquium.
- 106. SIAM (Society for Industrial and Applied Mathematics) Annual Meeting, Mini-Symposium on "Wavelets and their Applications", Atlanta, May 1999, 30 minute talk.
- 107. Canadian Operator Theory Symposium (COAS), Prince Edward Island, May 1999, (I was invited to be the main speaker and give 3 one-hour talks.)
- 108. Harmonic Analysis Conference (in honor of John Benedetto), College Park, MD, October 1999, 20 minute talk.
- 109. American Mathematical Society, Special Session, Charlotte, North Carolina, October 1999.
- 110. American Mathematical Society, Special Session, Washington, DC, January 2000.
- 111. University of Missouri, Columbia, MO, February 2000, colloquium.
- 112. North Carolina Functional Analysis Conference, East Carolina University, Greenville, NC, March 2000, one-hour talk.
- 113. Great Plains Operator Theory Symposium (GPOTS-2000), San Juan, Puerto Rico, May 2000, one of 12 main speakers.
- 114. International Workshop on Operator Theory and Applications (IWOTA), Bordeaux, France, June 2000, 45-min talk.
- 115. SPIE-2000 Annual Symposium, (International Society for Optical Engineering), Special Session, San Diego, CA, July 2000, 20-min talk.
- 116. American Mathematical Society, Special Session on "Pseudo-Differential Operators, Wavelet Transforms, and Related Topics", Toronto, Ontario, September 2000, 20 min talk.
- 117. American Mathematical Society, Special Session on "Abstract Wavelet Theory", San Francisco, CA, October 2000, 20 min talk.
- 118 Baylor University, Waco, TX, October 2000, colloquium.
- 119. American Mathematical Society, Special Session on "Operator Algebras and Their Representations", Birmingham, AL, November 2000, 20 min talk.
- 120. American Mathematical Society, Special Session on "Wavelets, Frames, Sampling, and Time-Frequency Representations", Birmingham, AL, November 2000, 20 min talk.
- 121. Iowa State University, Ames, IA, February 2001, colloquium.
- 122. Baylor University, Waco, TX, March 2001, colloquium.
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- 123. Vanderbilt University, Nashville, TN, March 2001, colloquium. Plenary Address, Conference on Ideal Data Representation, Institute of Mathematical Analysis and its Applications (IMA), University of Minnesota, Minneapolis, April 2001.
- 124. 30 minute talk, Sampling Theory and Applications (SAMPTA), Orlando, FL, May 2001.
- 125. 30 minute "short plenary" talk, Great Plains Operator Theory Symposium (GPOTS), University of New Hampshire, Durham, NH, June 2001.
- 126. Series of three lectures, Functional Analysis VII: a conference and postgraduate school on functional analysis, Inter-University Center, Dubrovnik, Croatia, September 17-26, 2001. Funding source: Conference Committee and a special supplement to my NSF grant. (Note: I canceled this trip due to the September 11 terrorist attacks.)
- 127. Plenary Address, International Workshop on Operator Algebra and Operator Theory, (supported by the Chinese Academy of Sciences), Linfen, China, October 2001. Funding source: Conference committee and a supplement to my NSF grant.
- 128. Peking University, Beijing, China, October 2001, colloquium.
- 129. Chinese Academy of Sciences, Beijing, China, October 2001, colloquium.
- 130. 20 minute session, American Mathematical Society, Special session on Operator Spaces, Operator Algebras, and Applications, Irvine, CA, November 2001.
- 131. University of Central Florida, Orlando, FL, December 2001, colloquium.
- 132. 20 minute session, American Mathematical Society, Special Session on Undergraduate Research Programs, San Diego, CA, January 2002.
- 133. University of North Carolina, Charlotte, March 2002, colloquium.
- 134. University of Central Florida, Orlando, March 2002, colloquium.
- 135. 20 minute session, American Mathematical Society, Special Session on Frames, Wavelets and Operator Theory, Atlanta, March 2002.
- 136. 30 minute talk, Southeastern Analysis Meeting (SEAM-2002), Chapel Hill, NC, March 2002.
- 137. University of Nebraska, Lincoln, April 2002, colloquium.
- 138. Plenary Address, Iowa-Nebraska Functional Analysis Seminar (INFAS), DeMoines, April 2002.
- 139. Plenary Address, Great Plains Operator Theory Symposium (GPOTS-2002), University of North Carolina, Charlotte, May 2002. Funding Source: Completely funded by conference committee.
- 140. Plenary Address, Slovenian Linear Algebra Conference, Bled, Slovenia, June 2002 (note: I canceled my participation in this to take care of an REU program at A&M).
- 141. Plenary Address, Romanian Operator Theory Conference (OT-19), Timisoara, Romania, June 2002. Funding Source: Local support by conference committee.
- 142. 30 minute talk, International Workshop on Operator Theory and Applications (IWOTA-2002), Blacksburg, VA, August 2002.
- 143. Plenary Address, International Conference on Abstract and Applied Analysis, Hanoi, Vietnam, August 2002. Funding Source: Local support by conference committee. I was also invited to be on the Scientific Committee. (This was a satellite conference of the 2002-International Congress of Mathematicians, held in Beijing.)
- 144. National University of Singapore, August 2002, colloquium.

- 145. 20 minute session, American Mathematical Society, Special Session on Wavelets, Frames and Operator Theory, Orlando, November 2002.
- 20 minute session, American Mathematical Society, Special Session on Operator Algebras, Baltimore, January 2003.
- 147. Plenary Address, Southeastern Analysis Meeting (SEAM-2003), University of Tennessee, Knoxville, March 2003. Funding Source: Completely funded by conference committee.
- 148. Plenary Lecture, "Mars Workshop" on Wavelets, Frames and Operator Theory, (one of two principal expository speakers), Louisiana State University, March 2003. "
- 149. Series of three Lectures, Functional Analysis VIII, Dubrovnik, Croatia, June 2003. Funding Source: Local support by conference committee. (Note: I had to cancel this due to a family emergency.)
- 150. Baylor University, Waco, TX, September 2003, colloquium.
- 151. Seminar, FRG Workshop, Georgia Tech, October 2003.
- 152. Lecture and Problem Session, Oberwolfach, February 2004.
- 153. Louisiana State University, Baton Rouge, April 2004, colloquium.
- 154. 20 minute session, American Mathematical Society, Special Session on Frames and Applications, Houston, May 2004.
- 155. Series of three Lectures, Workshop on the Functional and Harmonic Analysis of Wavelets and Frames, (one of two principal speakers), National University of Singapore, August 2004. Funding Source: Completely funded by conference committee.
- 156. 20 minute session, American Mathematical Society, Special Session on Frames and Wavelets, Vanderbilt University, October 2004.
- 157. University of Houston, Houston, March 2005, colloquium.
- 158. Hour talk, Workshop on Group Theoretical Methods, Operator Theory, and nonorthogonal expansions, ESI Institute, Vienna, Austria, April 2005.
- 159. Plenary Address, Great Plains Operator Algebras Symposium (GPOTS-2005), University of Central Florida, Orlando, June 2005.
- 160. Hour talk, International Conference on Banach Algebras and Their Applications-2005, Bordeaux, France, July 2005.
- 161. 20 minute session, American Mathematical Society, Special Session on Recent Progress in Operator Algebras, University of Nebraska, Lincoln, NE, October 2005.
- 162. 20 minute session, American Mathematical Society, Special Session on Wavelets, Frames and Related Expansions, Eugene, Oregon, November 2005.
- 163. University of Cincinnati (two talks), Cincinnati, November 2005, colloquium.
- 164. University of Texas at San Antonio, San Antonio, November 2005, colloquium.
- 165. Keynote Talk, Fourth International Conference on Wavelet Analysis and Applications, Macau, China, December 2005, Funding Source: Local support by conference committee.
- 166. Institute of Mathematical Analysis [IMA] Discussion participant, Workshop on New Mathematics and Algorithms for 3-D Image Analysis, University of Minnesota, Jan 9-12, 2006.
- 167. 20 minute session, American Mathematical Society, Special session on Frames and Wavelets, San Antonio, Jan 2006.

- 168. Speaker, February Fourier Talks, University of Maryland, Feb 16-17, 2006.
- 169. Louisiana State University, Baton Rouge, February 2006, colloquium.
- 170. Speaker, Workshop on Wavelets, Frames and Operator Theory, LSU. Baton Rouge, Feb 24-26, 2006.
- 171. Hour talk, *Wavelet Workshop*, Washington University, St. Louis, April 3-7, 2006. Washington University, St. Louis, April 2006, colloquium.
- 172. Speaker, Workshop on Wavelets, Frames and Operator Theory, Vanderbilt University, April 28-30, 2006.
- 173. Speaker, Current Trends in Harmonic Analysis and its Applications: Wavelets and Frames, University of Colorado, Boulder, May 18-20, 2006.
- 174. 20 minute session, Great Plains Operator Theory Symposium [GPOTS], University of Iowa, May 23-28, 2006.
- 175. I was invited to give a plenary talk at [IWOTA-2006], held in Seoul, Korea, early August 2006, all expenses paid, but I had to cancel due to local Workshop and REU commitments.
- 176. I was invited to give an hour talk at an international conference on Frames and Wavelets at a national Math. Institute in Argentina, August 2006, but I had to cancel due to local workshop and REU commitments.
- 177. I was one of the organizers of, and led discussions in, the American Institute of Mathematics [AIM] Workshop on the Kadison Singer Problem, Palo Alto, Sept 25-29, 2006.
- 178. 20 minute session, American Mathematical Society, Special session on *Recent results* on operator algebras, University of Cincinnati, Oct 21-22, 2006.
- 179. Speaker, BIRS [Banff Centre] Workshop on Operator methods in fractal analysis, wavelets and dynamical systems, Banff, Alberta, Canada, Dec 2-7, 2006.
- 180. 20 minute session, American Mathematical Society, Special session on Frames and Wavelets in Harmonic Analysis, Geometry, and Applications, New Orleans, Jan 5-8, 2007.
- 181. University of Central Florida, Orlando, February 2007, colloquium
- 182. 20 minute session, Great Plains Operator Theory Symposium [GPOTS], University of Nebraska, May 15-20, 2007.
- 183. Univ. North Carolina-Charlotte, Dec 2007, Colloquium.
- 184. 20 min session, American Math. Society, Special Session, San Diego, Jan 2008.
- 185. Plenary talk in the conference Operator algebras and applications in Morocco, Marrakech, April 2008.
- 186. 20 min session, American Math. Society, Special Session, Vancouver, October 2008.
- 187. Univ. Cincinnati, November 2008, colloquium.
- 188. Hour talk, BIRS [Banff Center] Workshop on the theme: Frames from First Principles: error correction, symmetry goals, and numerical efficiency, Banff, Alberta, Canada, April 2009.
- 189. Plenary talk, conference Twenty years of Wavelets, Chicago, May 2009.
- 190. 20 min session, Great Plains Operator Theory Symposium [GPOTS], Univ. Colorado, Boulder, June 2009.
- 191. University of Nebraska, July 2009, Colloquium.
- 192. University of Oklahoma, November 2009, Colloquium.
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- 193. Univ. Houston, March 2010, Colloquium.
- 194. Univ. Texas-San Antonio, March 2010.
- 195. 20 min session, Great Plains Operator Theory Symposium [GPOTS], Univ. of Denver, June 2010.
- 196. Plenary talk, conference *Operator algebras and their applications*, Chinese Academy of Sciences, Beijing, July 2010. (This conference was in honor of Richard Kadison's 85th birthday.)
- 197. SUNY-Buffalo, November 2010, Colloquium.
- 198. Seminar talk, Workshop on the theme: *Frames, Wavelets and Tomography*, Baton Rouge, January 2011.
- 199. Technical University of Munich, March 2011, Colloquium.
- 200. Plenary talk, Formal Research Workshop on the theme: *Frames and Operator Algebras*, Oberwolfach Mathematics Insitute, Germany, March 2011.
- 201. Baylor University, April 2011, Colloquium.

EDITORIAL WORK

- 1. Associate Editor, Proceedings of the American Mathematical Society, two four-year terms, February 1, 1997-Feb 1, 2005. I handled about 900 papers.
- 2. Current Editorial Committee Member on 4 refereed journals: Operators and Matrices; Involve Banach Journal of Mathematical Analysis; International Journal of Pure and Applied Mathematics;
- 3. D. Larson and L. Baggett (eds.) *The functional and harmonic analysis of wavelets and frames*, Contemporary Mathematics 247, American Math. Society, Providence, 1999, 306 pp.
- 4. D. Larson, C. Heil and P. Jorgensen (eds.), *Wavelets, Frames and Operator Theory*, Contemporary Math., Vol. 345, American Math. Society, Providence, RI, 2004.
- 5. H. Feichtinger, P. Jorgensen, D. Larson, G. Olafsson (eds.), it Wavelets, Frames and Operator Theory: a formal report volume on the Oberwolfach mini-workshop we organized in Feb. 2004, at the Oberwolfach Mathematics Institute, Germany.
- D. Han, P. Jorgensen, D. Larson (eds.), Proceedings of the Great Plains Operator Theory Symposium 2005, Contemporary Math., vol. 414, American Math. Society, Providence, RI, 2006.
- D. Larson, P. Massopust, C. Nguyen, Z. Nashed, M. Papadakis, A. Zayed (eds.), Frames and operator theory in Analysis and Signal Processing, Contemporary Math., American Math. Society, Providence, RI, 2008.
- 8. D. Larson, P. Jorgensen, P. Massopust and G. Olafsson (eds.) Frames and Wavelets in Harmonic Analysis, Geometry and Applications, Contemporary Math., Amer. Math. Society, Providence, 2009.
- 9. Co-edited (with R. El-Harti) a special volume of the journal *Operators and Matrices*, for the Proceedings of the conference *Operator algebras and applications in Morocco*, Marrakech, April 2008. The volume appeared in electronic form in January 2011.

ORGANIZATIONAL ACTIVITIES

- 1. Organized a Special Session on "Nest Algebras" in the 1981 International Conference on the Mathematical Theory of Networks and Systems (MTNS), Santa Monica, July 1981.
- 2. Financial coordinator (1984-2004) for the series of Annual Great Plains Operator Theory Symposia; Up to 2003 the NSF support negotiated was \$14,000 per year (for 2001, 2002, 2003) attached to my NSF grant; The award amount for 2004 was \$13,000 and was used to support GPOTS-2004 held May 2004 at TAMU. Starting in 2005, NSF has requested separate Conference Proposals for GPOTS. A separate proposal was written for 2005-2006, jointly by the University of Central Florida and the University of Iowa, and I assisted the PI's with the writing. A similar plan was used for 2007-2008, 2009-2010, 2011-2012. The annual budget has recently been over \$40,000. I have chaired the annual GPOTS Steering Committee Meeting for over 25 years. I am currently one of the members of the GPOTS Scientific Committee.
- 3. Organized a NSF-CBMS Regional Conference Operator Theory, Analytic Functions, Matrices, and Electrical Engineering with J. W. Helton as the main speaker, August 1985, University of Nebraska.
- 4. Organized a Special Session on *Triangularity in Operator Algebras* in the 1989 Fall Central Regional Meeting of the AMS, Muncie, Indiana, October, 1989.
- 5. Organizing Committee (Chair) 1991 GPOTS conference, which was held May 15-18 at TAMU.
- 6. Organized a Mini-Conference on *Operator-Theoretic Control Theory* at TAMU, with Mathematics and Engineering participation from 6 other universities, in conjunction with C. Foias' Frontiers talks, November, 1992.
- Organized a Special Session on Operator Theory and Triangular Operator Algebras (joint with Raul Curto) in the 1993 Annual Winter Meeting of the AMS, San Antonio, Texas, January, 1993.
- 8. Organized a Special Session on *Nonselfadjoint Operator Algebras* in the 1993 Fall Central Regional Meeting of the AMS, College Station, Texas, October, 1993.
- 9. Organized the 1995 edition of SUMIRFAS in August, 1995, College Station, and coorganized an associated banquet in honor of Carl Pearcy on the occasion of his sixtieth birthday.
- 10. Organized a Special Session (jointly with L. Baggett) on *The functional and harmonic analysis of wavelets and frames* in the 1999 annual winter meeting of the AMS, San Antonio, Texas, January 1999.
- 11. Organized a *Concentration Week on Wavelets and Frames* at Texas A&M, July 1999, part of our Linear Analysis and Probability Workshop, over 20 participants from 5 countries.
- 12. I made a pre-organizational trip to SPIE-1999 in anticipation of running a special session the following year, Denver, July 1999.
- 13. Organized a Special Session on *The functional analysis of wavelets* in a conference within the symposium SPIE-2000, (the Annual Meeting of the International Society for Photo-Optical Engineering), San Diego, July 30-Aug. 4, 2000.
- 14. Invited participant in AMS discussion group on *Conference organization*, Winter AMS Meeting, Washington, D.C., January 2000.



- 15. Organized another Special Session, similar to the 2000-edition, in SPIE-2001, San Diego, July 29-August 3, 2001.
- 16. Organized a Special Session on "Wavelets and Frames" in IWOTA-2002, Blacksburg, VA, August 2002.
- 17. Co-organizer of a series of FRG workshops 2002-2005.
- 18. Co-organized a mini-workshop entitled "Wavelets, Frames and Operator Theory" at the Oberwolfach Mathematics Institute, Germany, Feb. 2004.
- 19. Co-organized (with W. Johnson, G. Pisier and J. Zinn) the annual summer "Workshop in Analysis and Probability", Texas A&M University, July-August each year, and the associated weekend conference "SUMIRFAS".
- 20. Organized a "Concentration Week on Wavelets, Frames and Operator Theory" at Texas A&M, July 2002, part of our annual summer Linear Analysis and Probability Workshop. There were over 30 participants from 7 countries. "
- 21. Organized a miniconference on "Wavelets, frames and operator theory" on the following weekend, with participants from 10 different universities.
- 22. I was invited to serve on the Scientific Committee for the ICM (International Congress of Mathematicians) Satellite Conference "Abstract and Applied Analysis", Hanoi, Vietnam, August 2002.
- 22. Co-organized an [AIM] Workshop on the *Kadison-Singer Problem*, American Institute of Mathematics, Palo Alto, Sept 25-29, 2006.
- 24. Co-organized a Special Session on it Frames and operator theory in Analysis and Signal Processing in the 2006 AMS National Meeting in San Antonio, Jan 2006.
- 25. Co-organized a Special Session on /it Frames and wavelets in harmonic analysis, geometry, and applications in the 2007 AMS National Meeting in New Orleans, Jan 2007.
- 26. Served on the Scientific Committee of the conference International Conference on Operator Algebras and Applications in Morocco, Marrakech, Morocco, April 14-18, 2008.
- 27. Co-organized a Special Session on *Optimal Frames and Operator algebras* in the 2010 AMS National Meeting in San Francisco, Jan 13-16, 2010.
- 28. Co-organized a Satellite workshop of the AMS National Meeting, with the same title as the special session (item 28), held at San Francisco State University, Jan 17-18, 2010.
- 29. Co-organized a Special Session on Wavelets, Fractal Geometry, and Operator algebras in the 2011 AMS National Meeting in New Orleans, Jan 2011.
- 30. Co-organized a Satellite workshop of the AMS National Meeting, with the same title as the special session (item 30), held in Baton Rouge just prior to the AMS meeting, Jan 2011.

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