

VITA
DALE ALSPACH

EDUCATION:

- B.Sc., University of Akron, June 1972
- Ph.D., The Ohio State University, December 1976

PROFESSIONAL EXPERIENCE:

- Graduate Teaching Associate, The Ohio State University 1973–1976
- N.S.F Graduate Research Associate, Summer 1976
- Lecturer, The Ohio State University, January 1977–July 1977
- N.S.F. Research Assistant, Summer 1977
- C.L.E. Moore Instructor, M.I.T., September 1977–July 1979
- Assistant Professor, Oklahoma State University, September 1979–May 1982
- Visiting Assistant Professor, University of Connecticut, Spring 1981 (Special Year in Analysis)
- Associate Professor, Oklahoma State University, 1982–1987
- Visiting Associate Professor, University of Texas at Austin, September, 1986–May 1987 (Sabbatical)
- Professor, Oklahoma State University, 1987–present
- Head of Mathematics Department, 2006-2011

GRANTS:

- NSF Group Travel Grant– Oberwolfach 1981.
- U.S. — Israel Binational Science Foundation Grant (with Y. Benyamini, Technion, Israel) 1983–87
- N.S.F. Support
 - 1980–84 “Complemented Subspaces of Classical Banach spaces”, \$36,100.

- 1984–86 “Complemented Subspaces of Classical Banach spaces”, \$26,400.
- 1986–89 “Complemented Subspaces of Classical Banach spaces”, \$38,328. Schütt added in third year, \$12,500.
- 1988–90 “Mathematical Sciences Research Equipment”, with Wright, Katz and Stevens, \$30,000. (Total from all sources \$70,960.)
- 1989–93 “Geometry of Classical Banach spaces”, with Schütt, \$136,685.
- 1993–96 “Geometry of Classical Banach spaces and Convex Bodies”, with Schütt, \$148,500.

INVITED TALKS:

- Special Session on Banach Spaces, January 1976, San Antonio
- Regional Functional Analysis Seminar, March 1977, Kent State University
- Special Session on Banach Spaces, March 1978, Ohio State University
- International Conference on Banach Spaces, August 1979, Kent State University
- Special Session on Banach Spaces, January 1980, San Antonio
- Colloquium, May 1981, Kent State University
- International Conference on Banach Spaces, August 1981, Oberwolfach, F.R.G.
- University of Miami, May 1982
- Stefan Banach International Mathematical Institute, May 1983, Warsaw, Poland
- Special Session on Metric Linear Function Spaces, April 1984, Notre Dame
- International Conference on Banach Spaces and Classical Analysis, Kent State University, August 1985
- Mathematisches Forschungsinstitut Oberwolfach, October 1986
- Special Session on Banach Space Theory, Denton, Texas, October 1986
- University of Texas-Texas A&M Functional Analysis Seminar, January 1987
- Workshop on Banach Space Theory, University of Iowa, July 1987
- Special Session on Banach Space Theory, Atlanta, Georgia, January 1988
- Conference on Banach Spaces and Geometry of Convex Bodies, Banff, Alberta, June 1988

- Seminar, Ohio State University, May 1988
- UT-Texas A&M Functional Analysis Seminar, March 1989
- Conference on Banach space theory, Strobl am Wolfgangsee, Austria, June 1989
- Special Session on Banach Spaces and Functional Analysis, Denton, Texas, November 1990
- UT-Texas A&M Functional Analysis Seminar, May 1991
- Mathematisches Forschungsinstitut Oberwolfach, September 1991
- International Research Workshop on Banach Space Theory, Universidad de Los Andes, Mérida, Venezuela, January 1992
- AMS Special Session on Banach Space Theory, San Antonio, January 1993
- AMS Special Session on Geometry of Banach Spaces and Operator Spaces, College Station, Texas, October 1993
- AMS Special Session on Banach Space Theory, Jerusalem, May 1995
- Seminar, Columbia, Missouri, April, 1996.
- AMS Special Session on Banach Spaces and Related Areas, Columbia, Missouri, November 1996
- AMS Special Session on the Modern Theory of Banach Spaces, Atlanta, Georgia, October 1997.
- AMS Special Session on Banach Space Theory, Louisville, Kentucky, March 1998.
- AMS Special Session on Development of Electronic Communications in Mathematics, San Antonio, Texas, January 1999.
- AMS Special Session on Banach and Operator Spaces: Isomorphic and Geometric Structure, Austin, Texas, October 1999.
- AMS Special Session on Banach Spaces, Columbia, South Carolina, March 2001.
- Conference “Banach spaces” which was part of the program “Asymptotic Geometric Analysis,” at the Pacific Institute of Math. Sciences. Vancouver, B.C., August 2002.
- Colloquium, Case Western, August 30, 2002.
- Workshop on Geometry of Banach spaces and infinite dimensional Ramsey theory, November 11 - 15, 2002 as part of the “Thematic Program on Set Theory and Analysis”, Fields Institute, Toronto.

- AMS special session on "Recent trends in infinite-dimensional Banach space theory," Athens, OH, March 2004.
- Conference "Banach spaces and their applications in analysis", in honor of Nigel Kalton 60th birthday, Oxford, Ohio, May 2006.
- AMS special session on "The Geometry of Banach Spaces and Connections to Other Areas," Richmond, VA, November 2010.
- Colloquium, University of North Texas, April 11, 2011.

PAPERS:

1. On the structure of separable \mathcal{L}_p spaces ($1 < p < \infty$), (with P. Enflo and E. Odell), *Studia Math.* 60(1977) p. 79–90.
2. On the primariness of spaces of continuous functions on ordinals, (with Y. Benyamini), *Israel J. Math.* 27 (1977) p. 64–92.
3. Quotients of $C[0, 1]$ with separable dual, (announcement) *Bulletin Amer. Math. Soc.* 83 (1977), p. 1057–1059.
4. Quotients of $C[0, 1]$ with separable dual, *Israel J. Math.* 29 (1978) 361–384.
5. $C(K)$ quotients of separable \mathcal{L}_∞ spaces (with Y. Benyamini) *Israel J. Math* 32 (1979) 145–160.
6. Quotients of c_o are almost isometric to subspaces of c_o , *Proc. Amer. Math. Soc.* 76 (1979) p. 285–288.
7. A quotient of $C(\omega^\omega)$ which is not isomorphic to a subspace of $C(\alpha)$, $\alpha < \omega_1$, *Israel J. Math* 35 (1980) p. 49–60.
8. $C(K)$ norming subsets of $C[0, 1]$, *Studia Math* 70 (1981) p. 27–61.
9. A fixed point free nonexpansive map, *Proc. Amer. Math. Soc.* 82 (1981) p. 423–424.
10. $C(\alpha)$ preserving operators on separable Banach spaces, *J. Funct. Anal.* 45 (1982) p. 139–168.
11. Small into isomorphisms on L_p spaces, *Illinois J. Math* 27 (1983) p. 300–314.
12. Projections onto \mathcal{L}_1 subspaces of $L_1(\mu)$ (with W. B. Johnson), *Banach Spaces, Harmonic Analysis and Probability Theory, Lecture Notes in Math.* 995, Springer-Verlag, Berlin 1983.

13. Projections onto translation-invariant subspaces of $L_1(R)$, (with A. Matheson), Trans. A.M.S. 227 (1983) p. 815–823.
14. Projections onto translation-invariant subspaces of $L_1(G)$, (with A. Matheson and J.M. Rosenblatt), J. Funct. Anal. 59 (1984) p. 254–292.
15. A characterization of the complemented translation-invariant subspaces of $L_1(R^2)$, J. London Math Soc. (2), 31 (1985) p. 115–124.
16. On $\mathcal{L}_{p,\lambda}$ spaces for small λ , Pac. J. Math. 125 (1986) p. 257–287.
17. Complemented translation-invariant subspaces, Longhorn Notes–University of Texas Functional Analysis Seminar, 1986–1987, Lecture Notes in Mathematics, 1332, Springer-Verlag, Berlin, New York, 1988, p 112–125.
18. Averaging weakly null sequences, (with E. Odell), Longhorn Notes - University of Texas Functional Analysis Seminar, 1986–1987, Lecture Notes in Mathematics, 1332, Springer-Verlag, Berlin, New York, 1988,126–144.
19. A geometrical property of $C(K)$ spaces, (with Y. Benyamini), Israel J. Math. 64 (1988) p. 179–194.
20. Separating sets with the Fourier-Stieltjes transform, (with A. Matheson and J.M. Rosenblatt), J. Funct. Anal. 84 (1989) p. 297–311.
21. Projections onto translation-invariant subspaces of $H^1(\mathbf{R})$, (with D. Ullrich), Trans. A.M.S. 313 (1989) p. 571–588.
22. Constructing unconditional finite dimensional decompositions, (with N. Carothers), Israel J. Math. 70 (1990) p. 236–256.
23. A characterization of the complemented translation-invariant subspaces of $H^1(\mathbf{R})$, Trans. A.M.S. 323 (1991) p. 197–207.
24. On the complemented subspaces of X_p , Israel J. Math. 74 (1991), 33–45.
25. Complexity of weakly null sequences, (with S. Argyros), Dissertationes Math. CCCXXI (1992) 1–44.
26. Level sets and the uniqueness of measures, Journal of the London Mathematical Society 48 (1993) 249–262.
27. A ℓ_1 -predual which is not isometric to a quotient of $C(\alpha)$, Proceedings of the Workshop on Banach Spaces, Mérida, Venezuela, Contemporary Math 144 (1993) 9–14.
28. Operators on $C(\omega^\alpha)$ which do not preserve $C(\omega^\alpha)$, Fundamenta Math. 153 (1997) 81–98.

29. Tensor products and independent sums of \mathcal{L}_p -spaces, *Memoirs of the Amer. Math. Soc.* 138 (660), (1999), viii+77.
30. The dual of the Bourgain-Delbaen space, *Israel J. Math.* 117 (2000), 239–259.
31. The Szlenk index and local- ℓ_1 -indices of a Banach space, (with R. Judd and E. Odell), *Positivity* 9, (2005), p 1–44.
32. L_p spaces (with E. Odell), *Handbook of the Geometry of Banach Spaces, Volume 1*, W.B. Johnson and J. Lindenstrauss, Eds. North-Holland, Amsterdam, (2001), 123–160.
33. Subspaces of L_p , $p > 2$, Determined by Partitions and Weights, (with S. Tong), *Studia Math.* 159 (2003), 207-227.
34. Subspaces of L_p , $p > 2$ with unconditional bases have equivalent partition and weight norms, *Arkiv Math.* 86 (2006), 73–78, (with S. Tong).
35. D. Alspach, Good ℓ_2 -subspaces of L_p , $p > 2$, *Banach J. Math. Anal.* 3, (2009), 49-54.
36. Geometry of the Banach spaces $C(\beta\mathbb{N} \times K, X)$ for compact metric spaces K , *Studia Math.* 207 (2011), 153-180 (with Eloi Medina Galego).

AWARDS:

- National Merit Scholar, University of Akron, 1968–72
- University Fellow, Ohio State University, 1972–76
- College of Arts and Sciences Board of Faculty Representatives Award for Scholarly Excellence 1982–1983
- Regents Professor, Oklahoma State University, 1990–1998
- Southwestern Bell Professor 1991-1993

OTHER:

- Organized Special Session on Banach Space Theory for AMS Central Section meeting March 1983
- Founder(1989) and operator of an electronic bulletin board and archive for Banach space theory. The archive was folded into the archives at Los Alamos in 1998. Moderator of the functional analysis section of the ArXiv.org (formerly Los Alamos, now housed at Cornell) archive.

- Member of the Editorial Committee of the Proceedings of the American Mathematical Society 1992–1999.
- One of the Editors for Banach J. of Analysis 2008–present.
- Reviewer for NSF, US-Israel Binational Science Foundation, and Canadian Research Council grants.
- Referee for papers submitted to various journals: Studia Math., Israel J., Fundamenta, London Math. Soc., Proc. AMS, Pacific J., Math. Ann., Computers and Mathematics with Applications, IJMMS, Glasgow, J. of Functional Analysis, Annals of Mathematics.

OTHER SCHOLARLY ACTIVITIES

- Authored hundreds of calculus exercises for Math 2144 and 2153 in Maple TA. These have been given to Maplesoft for incorporation into their site.
- Participated in the MAA PREP workshop on Inquiry Base Learning, June 2008.
- Participated in the conference "Doctoral Programs in Mathematics Education", September 2007.
- Member of the OSU-NCAT redesign team for Math 1513. Team received some support through a FIPSE grant at NCAT.
- Member of the project advisory team for the NSF CCLI funded "AMS Survey of Web-based Assessment and Testing in Mathematics Departments".
- First Vice-Chair Oklahoma-Arkansas Section of the MAA
- Consultant for MAA Project NExT 2012 Fellow Joel Louwsma, OU

RECENT COMMITTEE ASSIGNMENTS

University and College Committees

- Group III Vice-Chair 2003-2005.
- Group III Chair 2005-2007.
- Chair of the Rules Committee of Graduate Faculty Council 2003-5
- Associate VP for Research and Dean of the Graduate College Search Committee, 2003-2004.
- Honorary Degree Screening Committee 2004-7.

- Eminent Faculty Award Screening Committee 2005-6.
- Interdisciplinary Taskforce 2006-2007.
- Summer Bridge Program 2007-08.
- A&S Retention Task Force 2010-2011.

Departmental Committees

- Personnel Committee, 1990–1994 (Chairman 1991-1992 and 1993-1994) 1996-1998, 2003-2004
- Head Search Committee, 1990, 1996, 2003.
- Appointments Committee, 1990, 1996, 2000, 2002, 2004, 2012.
- Kerr Committee 2001-2003.
- Chair Mathematics and Engineering Calculus Committee 2004-6
- Chair Website Committee 2006-2008.
- MLRC faculty liaison 2006-2010.
- Cumulative Review Committee 2011-2014.
- ALEKS Placement Committee 2011- , Chair 2011-2012.
- Computational Resources 2007- , Chair 2007-
- Calculus Revision 2012-
- MAA/OK-AR 75th Anniversary 2012-2013

THESES AND CREATIVE COMPONENTS SUPERVISED

- Creative Component for C. Chen 1991
- Creative Component for M. Thomas 1993
- Creative Component for Tao Li, 2000.
- Creative Components for Ying Deng, Kai-Siong Leow, Xiufang Li, Zhoubin Li, 2003.
- Creative Component for Yu Wang, 2004.

- Creative Component for X. Fang, 2006.
- Ed.D. Thesis for G. Force 1995
- Ph.D. Thesis for A. Perry 1999
- Ph.D. Thesis for S. Tong 2002