

Last Update: January, 2017

Curriculum Vitae

Personal Data

Thomas Berthold Schlumprecht

Marital status: married to Michele Silvan. Child: Nicolas Silvan Schlumprecht.

Nationality: Naturalized Citizen of the USA

Education

Diplom Ludwig – Maximilians-Universität, München (West-Germany) 1982

Dr. rer. nat.(Ph.D.) Ludwig – Maximilians-Universität, München (West-Germany) 1988
(Summa cum laude)

Professional Experience

1/13 – Adjunct Professor Faculty of Electrical Engineering, Technika, Prague

1/01 – 9/05 Associate Head Texas A&M University, College Station
(for Graduate studies)

9/99 – Professor Texas A&M University, College Station

9/95 – 9/99 Associate Professor Texas A&M University, College Station

9/92 – 9/95 Assistant Professor Texas A&M University, College Station

9/90 – 4/92 Assistant Professor Louisiana State University (on leave: 9/90-9/91)

9/88 – 9/91 Instructor University of Texas at Austin
(post-doctoral fellow)

1/87 – 8/88 Teaching Associate Universität München

1/85 – 12/86 Fellowship State of Bavaria

9/82 – 12/84 Actuary Wintherthur Company, München

Visiting Positions (one month or longer)

- ★ Visiting Professor, Czech Academy of Science, Prague, January-February, '12,
- ★ Professor Visitante, Universidade de São Paulo, Brazil, May '11,
- ★ Visiting Fellow, Peterhouse, Cambridge, UK, January – April '11,
- ★ Professeur Visitant, Université Paris VII, Equipe de Logique, France, May–June '08,
- ★ Visiting Scientist, Weizmann Institute, Rehovot, Israel, January '99 – March '99,
- ★ Visiting Member, Mathematical Science Research Institute, Berkeley, January '96 – May '96,
- ★ Professor Visitante, Universidad Complutense, Madrid, Spain, May '92 – August '92.

Languages: English, German, Spanish, French.

RESEARCH

Preprints

- [1] S.A. Argyros, D. Freeman, R. Haydon, E. Odell, Th. Raikoftsalis, Th. Schlumprecht, and D. Zisimopoulou, *HI extensions of \mathcal{L}_∞ -spaces with very few operators*, (approximately 56 pages).
- [2] P. Moutakis and Th. Schlumprecht, *A metric interpretation of reflexivity for Banach spaces*, arXiv1604.07271 (approximately 65 pages).
- [3] D. Freeman, Th. Schlumprecht and A. Zsák, *Closed ideals of operators between classical sequence spaces*, (approximately 18 pages).
- [4] F. Baudier, R. Causey, S. Dilworth, D. Kutzarova, N. Randrianarivony, Th. Schlumprecht and S. Zhang, *On the geometry of the countably branching diamond graphs*, (approximately 44 pages).

Papers to appear

- [1] Th. Schlumprecht and A. Zsák, *The algebra of bounded linear operators on has infinitely many closed ideals $\ell_p \oplus \ell_q$, $p \neq q$* , to appear in: Zeitschrift der Reinen und Angewandten Mathematik (Crelle), arXiv:1409.3480 (approximately 20 pages).
- [2] S. Dilworth, S. Gogyan, D. Kutzarova, and Th. Schlumprecht *On the boundedness of threshold operators in $L_1[0, 1]$ with respect to the Haar basis*, to appear in: Positivity (approximately 19 pages).

Papers in Print

- [1] F. Baudier, D. Freeman, Th. Schlumprecht, and A. Zsák, *The metric geometry of the Hamming cube and applications*, Geometry & Topology, **20 no 3**, (2016) 1427 – 1444.
- [2] Th. Schlumprecht, *Zippin's embedding theorem of Banach spaces into Banach spaces with bases*, Adv. Math., **274**, (2015) 833 – 880.
- [3] S. J. Dilworth, D. Kutzarova, E. Odell, Th. Schlumprecht, and A. Zsák *Renorming spaces with greedy bases*, J. Approx. Theory, **188**, (2014) 39 – 56.
- [4] D. Freeman, E. Odell, Th. Schlumprecht and A. Zsák, *Unconditional structures of translates for $L_p(\mathbb{R}^d)$* , Israel J. Math, **203**, (2014) 189 – 209.
- [5] D. Freeman, E. Odell, B. Sari and Th. Schlumprecht, *Equilateral sets in uniformly smoot Banach spaces*, Mathematika, **60**, (2014) 219 – 231.

- [6] P. Hájek and Th. Schlumprecht, *The Szlenk index of $L_p(X)$* , Bull. Lond. Math. Soc., **46**, (2014) 415 – 424.
- [7] V. Ferenczi and Th. Schlumprecht, *Subsequential minimality in Gowers and Maurey space*, Proc. Lond. Math. Soc., **106**, (2013) 163 – 202.
- [8] M. Daws, R. Haydon, Th. Schlumprecht and S. White, *Shift invariant preduals of $\ell_1(\mathbb{Z})$* , Israel J. Math., **192**, (2012) 541 – 585.
- [9] S. Dilworth, D. Kutzarova, Th. Schlumprecht and P. Wojtaszczyk, *Weak Threshold Greedy Algorithms in Banach spaces*, J. Funct. Anal., **263**, (2012) no 12, 541 – 585.
- [10] Th. Schlumprecht, *On the Closed Subideals of $L(\ell_p \oplus \ell_q)$* , Operators and Matrices, **6**, (2012) no 2, 311 – 326.
- [11] N.J. Laustsen, E. Odell, Th. Schlumprecht and A. Zsak, *Dichotomy theorems for random matrices and ideals of operators on $(\oplus \ell_1^n)_{c_0}$* , Journal of the Lond. Math. Soc., **86**, (2012) no1, (approximately 23 pages).
- [12] S.A. Argyros, D. Freeman, R. Haydon, E. Odell, Th. Raikoftsalis, Th. Schlumprecht, and D. Zisimopoulou, *Embedding uniformly convex spaces into spaces with very few operators*, Journal of Functional Analysis, **262**, (2012) no 3, 825 – 849.
- [13] R. Haydon, E. Odell, and Th. Schlumprecht, *Small subspaces of L_p* , Annals of Mathematics, **173**, (2011) 169 – 209.
- [14] D. Freeman, E. Odell and Th. Schlumprecht, *The universality of ℓ_1 as a dual space*, Mathematische Annalen, **351**, (2011) 149 – 186.
- [15] E. Odell, B. Sari, Th. Schlumprecht and B. Zheng, *Systems formed by translations of one element in L_p* , Transactions of the American Mathematical Society, **63**, (2011) 6505 – 6529.
- [16] R. Schwartz, D. Jupiter, and Th. Schlumprecht, *Herd on the Street*, Journal of Portfolio Management, (2011) **38** no.1, Invited editorial comment, 1–4.
- [17] S. Dilworth, D. Freeman, E. Odell and Th. Schlumprecht, *Greedy bases for Besov spaces*, Constructive Approximation, **43**, 281 – 296.
- [18] S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *Renormings and symmetry properties of one greedy bases*, Journal of Approximation Theory, **163**, Issue 9 (2011) 1049 – 1075.
- [19] B.A. Bailey, Th. Schlumprecht and N. Sivakumar, *Nonuniform sampling and recovery of multidimensional bandlimited functions by Gaussian radial-basis functions*, Journal of Fourier Analysis and Applications, **17** no. 3, (2011) 519–533.
- [20] S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *On the convergence of greedy algorithms for initial segments of the Haar basis*, Mathematical Proceedings of the Cambridge Philosophical Society, **148**, (2010) 519–529.
- [21] S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *Partial Unconditionality*, Houston Journal of Mathematics, **35**, (2009) 1251–1311.
- [22] D. Freeman, E. Odell, Th. Schlumprecht and A. Zsak, *Spaces of bounded Szlenk index, II*, Fundamenta Mathematica, **205**, (2009) 161–177.

- [23] N. Sivakumar and Th. Schlumprecht, *On the sampling and recovery of bandlimited functions via scattered translates of the Gaussian*, Journal of Approximation Theory, **159** Issue 1, (2009) 128 – 153.
- [24] S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *Coefficient quantization in Banach spaces*, Foundations of Computational Mathematics, **8**, no. 6 (2008) 703 – 736.
- [25] E. Odell, Th. Schlumprecht and A. Zsak, *On the structure of asymptotic ℓ_p spaces*, The Quarterly Journal of Mathematics, **59**, (2008) 85 – 122.
- [26] P. Casazza, S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *Coefficient quantization for frames in Banach spaces*, Journal Mathematical Analysis and Applications, **348** no.1, (2008) 66–86.
- [27] E. Odell, Th. Schlumprecht and A. Zsak, *Banach spaces of bounded Szlenk index*, Studia Mathematica, **183** no.1, (2007) 63 – 97.
- [28] B. Sari, Th. Schlumprecht N. Tomczak-Jaegermann and V. Troitsky, *On norm closed ideals in $L(\ell_p, \ell_q)$* , Studia Mathematica, **179** no.3, (2007) 239–262.
- [29] E. Odell, Th. Schlumprecht and A. Zsak, *A new infinite game in Banach spaces with applications*, Proceedings of the International Conference in Honor of Nigel Kalton sixtieth birthday, May 22-27, 2006, Walter de Gruyter GmbH & Co. KG., Berlin New York, (2007) 147–183.
- [30] E. Odell and Th. Schlumprecht, *A universal reflexive space for the class of uniformly convex Banach spaces*, Mathematische Annalen, **335** no. 4, (2006) 901 – 916.
- [31] E. Odell and Th. Schlumprecht, *Embedding into Banach spaces with finite dimensional decompositions*, Rev. R. Acad. Cien Serie A Mat., **100**, (2006) 295 – 323.
- [32] N. J. Laustsen, Th. Schlumprecht and A. Zsak, *The lattice of closed ideals in the Banach algebra of operators on a certain dual Banach spaces*, Journal of Operator Theory, **56**, (2006) 391– 402.
- [33] E. Odell, G. Androulakis, Th. Schlumprecht and N. Tomczak Jaegerman, *On the structure of the spreading models of a Banach space*, Canadian Journal of Mathematics, **4**, (2005) 673 –707.
- [34] Th. Schlumprecht, *How many operators do there exist on a Banach space? Trends in Banach spaces and operator theory (Memphis, TN, 2001)*, Contemporary Mathematics, **321**, American Mathematical Society, Providence, RI, (2003) 295 – 333.
- [35] Th. Schlumprecht and V. Troitsky, *On quasi-affine transforms of Read’s operator*, Proceedings of the American Mathematical Society, **131** no. 5, (2003) 1405 – 1413.
- [36] G. Androulakis and Th. Schlumprecht, *S is complementably minimal and subsequentially block prime*, Studia Mathematica, **156** no.3, (2003) 227 – 242.
- [37] E. Odell and Th. Schlumprecht, *Trees and branches in Banach spaces*, Tansaction of the American Mathematical Society, **354** no. 10, (2002) 4085 – 4108.
- [38] E. Odell and Th. Schlumprecht, *On distortion and asymptotic structures of Banach spaces*, in: Handbook of the geometry of Banach spaces, Vol. 2, 1333 –1360, North-Holland, Amsterdam, 2003. (editors W. B. Johnson and J. Lindenstrauss).

- [39] G. Androulakis and Th. Schlumprecht, *The space of Gowers and Maurey has non trivial operators*, Journal of the London Mathematical Society, **64** no. 3, (2001) 655–676.
- [40] E. Odell and Th. Schlumprecht, *A Banach space block finitely universal for monotone bases*, Transactions of the American Mathematical Society, **4**, (2000) 1859-1888.
- [41] R. J. Gardner, A. Koldobsky and Th. Schlumprecht, *An analytic solution to the Busemann-Petty problem on sections of convex bodies*, Annals of Mathematics (2), **352**, (1999) 173-199.
- [42] H. Knaust E. Odell and Th. Schlumprecht, *On Asymptotic structure, the Szlenk index and UKK properties in Banach spaces*, Positivity, **3**, (1999) 173-199.
- [43] R. J. Gardner, A. Koldobsky and Th. Schlumprecht, *Solution to the Busemann-Petty problem*, Comptes Rendus de l'Academie des Sciences, **328**, (1999) 29-34.
- [44] E. Odell and Th. Schlumprecht, *Asymptotic properties of Banach spaces under renormings*, Journal of the American Mathematical Society, **11**, (1998) 175-188.
- [45] E. Odell and Th. Schlumprecht, *A problem on spreading models*, Journal of Functional Analysis, **153**, (1998) 249-261.
- [46] P. Hitczenko, S. Kwapien, W. Li, G. Schechtman, Th. Schlumprecht, and J. Zinn, *Hypercontractivity and comparison of moments of iterated maxima and minima of independent random variables*, Electronic Journal of Probability, **3** no.2, (1998).
- [47] G. Schechtman, Th. Schlumprecht and J. Zinn, *On the Gaussian measure of the intersection of two symmetric convex sets*, Annals of Probability, **26**, (1998) 346 – 357.
- [48] E. Odell and Th. Schlumprecht, *On the richness of the set of p 's in Krivine's theorem*, Operator Theory: Advances and Applications, **77**, (1995) 177 –198.
- [49] E. Odell and Th. Schlumprecht, *The distortion problem*, Acta Mathematica, **173**, (1994) 259–281.
- [50] M. Lindström, and Th. Schlumprecht, *A characterization of Frèchet-Schwartz spaces*, Bulletin of the London Mathematical Society, **25**, (1993) 55–58.
- [51] E. Odell, H. Rosenthal and Th. Schlumprecht, *On weakly null F.D.D.'s*, Israel Journal of Mathematics, **84**, (1993) 333–351.
- [52] E. Odell and Th. Schlumprecht, *The distortion of Hilbert space*, Geometric and Functional analysis, Birkhaeuser Verlag, **3** no. 2, (1993) 201 – 207.
- [53] Th. Schlumprecht, *Limited sets in $C(K)$ -spaces and examples concerning the Gelfand Phillips property*, Mathematische Nachrichten, **157**, (1992) 51 – 64.
- [54] Th. Schlumprecht, *Limited sets in injective tensor products*, Lecture Notes in Mathematics, Vol. **1970**, Springer Verlag, E. Odell and H. Rosenthal (eds.), (1991) 133–158.
- [55] Th. Schlumprecht, *An arbitrarily distortable Banach space*, Israel Journal of Mathematics, **76**, (1991) 81–95.
- [56] Th. Schlumprecht, *A limited set that is not bounding*, Proceedings of the Royal Irish Academy, **90** no. 2, (1990) 125–129.

- [57] Th. Schlumprecht, *On dual spaces without weak* convergent convex blocks*, Proceedings of the American Mathematical Society, **107** no. 2, (1989) 395–408.
- [58] M. Lindström and Th. Schlumprecht, *On limitedness in locally convex spaces*, Archiv der Mathematik, **53**, (1989) 65–74.

Dissertation

Limited Sets in Banach Spaces, 1988.

Conference Proceedings and Seminar Notes (not refereed)

- [1] Th. Schlumprecht, *Sampling and recovery of bandlimited functions and applications to signal processing*, Advanced Studies of Mathematical Analysis IV, Proceedings of the Fourth International School, In Memory of Professor Antonio Aizpuru Tomas, Jerez de la Frontera, September 8 - 12 2009, edited by F Javier Perez-Fernandez and Fernando Rambla-Barreno, (2011) 116 - 142.
- [2] J. Bernues and Th. Schlumprecht, *Recientes resultados en la teoria de espacios de Banach*, Publicaciones del Departamento de Analisis de la Universidad Complutense, Madrid, (1994) 1–24.
- [3] E. Odell, and Th. Schlumprecht, *Distortion and stabilized structure in Banach spaces; new geometric phenomen for Banach spaces and Hilbert spaces*, Proceedings of the International Congress of Mathematics in Zürich (1994), 955–965.
- [4] Th. Schlumprecht, *A complementably minimal Banach space not containing c_0 or ℓ_p* , Seminar notes in Functional Analysis and Partial Differential Equations, (1992) 57–89.
- [5] P. Gänszler and Th. Schlumprecht, *Maximal inequalities for stochastic processes which are given as sums of independent processes indexed by pseudo-metric parameter spaces*, Publikationen in Wahrscheinlichkeitstheorie, Universität München, (1989) 1–34.

Papers in Related Areas

- [1] D. Jupiter, Th. Schlumprecht and R. Schwartz, *Herd on the street*, Journal of Portfolio Management Fall 2011, **38**, No. 1, Invited editorial comment, 1 – 4.

Other Writings

- [1] Th. Schlumprecht, *Mathematics in Finance (class notes)*,
<http://www.math.tamu.edu/~thomas.schlumprecht/mathfin.html>
- [2] Th. Schlumprecht, *On some applications of Logic and Set theory to Analysis (class notes)*,
<http://www.math.tamu.edu/~thomas.schlumprecht/notes06c.ps>
- [3] Th. Schlumprecht, *Functional Analysis I (class notes)*,
http://www.math.tamu.edu/schlump/course_notes_math655_0c11.pdf

Invited Presentations at Conferences

1. 1 hour, invited, conference on “Infinite Dimensional Analysis” dedicated to Richard Aron, Kent State University, Ohio, October, 2016,
2. 1 hour, invited, ”TSSRK Fest”, Bangalore, IndiaSeptember, 2016,,
3. 1 hour, invited, conference on “Transfinite methods in Banach spaces and algebras of operators”, Institute of Mathematics of the Polish Academy of Sciences, Bedlewo, Poland, July, 2016,
4. Series of three talks,, “Winterschool in Abstract Analysis”, Prague, Czech Republic, January, 2016,
5. 30 Mins, Special session on ”Banach Spaces and Applications” Southeastern Sectional Meeting of the American Mathematical Society, Memphis Tennessee, October, 2015,
6. 1 hour, Workshop on ”Applied Functional Analysis, Casa de las Matematicas Oaxaca/Banff International Research Center (CMO/BIRS), Oaxaca, Mexico, June/July 2015,
7. 1 hour, plenary, *Relations Between Banach Space Theory and Geometric Measure Theory workshop*, University of Warwick, UK, June 2015,
8. 1 hour, *Banach spaces and their applications in Analysis*, Centre International de Rencontre Mathematiques, Lumniy, France, January, 2015,
9. 1 hour, *Conference on Geometric Functional Analysis and its Applications* Besançon, France, October, 2014,
10. 1 hour, *First Brazilian Workshop in Geometry of Banach Spaces*, Maresias, Brazil, August, 2014,
11. 1 hour, *Aleksander Pelczynski Memorial Conference*, Bedlewo, Poland, July, 2014,
12. 1 hour, *Conference on Banach spaces in honor of Professor Stanimir Troyanski* , Albacete, Spain, June, 2014,
13. 20 mins, *Special Session on ”Linear and Non-linear Geometry of Banach Spaces” at Fall Central Sectional Meeting of the AMS*, St. Louis, Missouri, October 18 – 20, 2013,

14. 40 mins, *Special Session on "Non-linear Geometry of Banach Spaces" at the First Mathematical Congress of the Americas, Guanajato, Mexico, August 5 - 9, 2013,*
15. 1 hour, *Summer Informal Regional Functional Analysis Seminar, College Station, Texas, August 2 - 4, 2013,*
16. 1 hour, plenary, invited, *IAS-ISF conference on Banach Spaces: "Geometry and Analysis in memory of Joram Lindenstrauss", Jerusalem, Israel, May 26 - 31, 2013,*
17. 4 hours series, *7th ILJU School of Mathematics, "Banach spaces and related topics", Gyeongju, South Korea, January 2013,*
18. 1 hour *Workshop on "the Geometry of Banach Spaces", Centre de Recherche Mathématique, Luminy, France, August 2012,*
19. 1 hour, Plenary Speaker, *International Conference on Mathematics and Statistics, Memphis, Tennessee, May 2012,*
20. 1 hour, *Workshop on "Banach space theory", International Research Station, Banff, Canada, April 2012,*
21. 1 hour, *40th Winterschool in "Abstract Analysis", Klenci, Czech Republic, January, 2011,*
22. 40 mins, *Regional Meeting of the AMS, special session on "Banach Spaces", Richmond, Virginia, November 2010,*
23. 1 hour, *Satellite conference of the ICM on "Functional Analysis and Operator theory", Bangalore, India, August 2010,*
24. 30 min, *"International Functional Analysis Meeting in Valencia on the Occasion of the 80th Birthday of Professor Manuel Valdivia", Valencia, Spain, June 2010,*
25. 30 min, *"From Banach Spaces to Frames", University of Maryland, Maryland, May 2010,*
26. 1 hour, *Regional Conference in Analysis, Kent, Ohio, March 2010,*
27. 3hours Lecture Series, *Invited 3 hours Minicourse, "IV Curso Internacional de Analisis Matematico en Andalucia", Seville, Spain, September 2009,*
28. 20 min, *"The State of Geometry and Functional Analysis", Tel Aviv, Israel, June 2009,*
29. 1 hour, *"Conference on Banach spaces, operators and inequalities in honour of Graham Jameson", Lancaster, UK, May 2009,*
30. 30 min, *National Meeting of the Canadian Mathematical Society, Session on "Banach spaces", Ottawa, Canada, December 2008,*
31. 1 hour, *IMST Conference, Session on "Banach Space Theory and Applications", Memphis, Tennessee, May 2008,*
32. 1 hour, *Spring School in Modern Analysis, Department of Mathematics, Czech Academy of Sciences, Prague, April 2008,*
33. 1 hour, *AMS-ASL Special Session on "Analysis and Logic" at Joint National Meeting, San Diego, January 2008,*
34. 1 hour, *Kent State Informal Analysis Seminar, Kent, Ohio, October 27-28, 2007,*

35. 1 hour, *Wabash Conference on Abstract Analysis, Indianapolis, Indiana, September 8-9, 2007,*
36. 2 hours plenary, “*International Conference on Banach Spaces and Operator Spaces*”, *Chern Institute of Mathematics, Tianjin, China, July 21 -25, 2007,*
37. four-hour tutorial, “*Conference on Set Theory of the Reals,*” *University of Florida Special Year in Logic, May, 2007,*
38. three one - hour talks, 35. *Winterschool in “Abstract Analysis”, Lhota, Czech Republic, January, 2007,*
39. Invited participant, *Workshop on “the Kadison Singer Problem”, American Institute of Mathematics, October 2006,*
40. 1 hour, *London Mathematical Society Regional Meeting Leeds, July 2006,*
41. 1 hour, “*Banach spaces and their applications in Analysis*”, *Miami University, Oxford, Ohio, May 2006,*
42. 30 min, *AMS-ASL Special Session on “Interdisciplinary Research Involving Analysis and Logic”, National Meeting of the AMS, January 2006,*
43. 1 hour, *Informal Regional Functional Analysis Seminar, College Station, Texas, August 2005,*
44. 1 hour, “*Contemporary Ramifications of Banach Space Theory*”, *Jerusalem, Israel, June 2005,*
45. 1 hour, *Workshop on “Geometric Methods in Analysis and Probability”, Schroedinger Institut, Vienna, Austria, May 2005,*
46. 20 min, *Joint Meeting of the AMS and the Mexican Mathematical Society, Houston, Texas, May, 2000,*
47. 40 min, *Regional Meeting of the AMS, special session on “Banach Spaces”, Athens Ohio, April, 2004,*
48. 1 hour, *Regional Conference in Analysis, Kent, Ohio, December, 2003,*
49. 20 min, *National AMS meeting, special session on “Banach Spaces and Convex Geometry”, January 2003,*
50. 1 hour plenary, *Application of Set theory and Logic to Analysis, Workshop,, in the Fields Institute, Toronto, November 2002,*
51. 1 hour, *Workshop in Pacific Institute of Mathematics, Vancouver, July 2002,*
52. 1 hour, plenary, “*Operator Theory and related areas*”, *Timisoara, Romania, July 2002,*
53. 1 hour, plenary, “*Recent Development in the Theory of Banach spaces and related fields*”, *Memphis Tennessee, October, 2001,*
54. 20 min, *AMS Conference, South Carolina, March, 2001,*
55. 1 hour, address, *Regional Conference in Analysis, Kent, Ohio, December, 2000,*
56. 1 hour, plenary, *Wabash Conference in Modern Analysis, Indianapolis, Indiana, October 2000,*

57. 20 min, *Regional AMS Conference, Austin, Texas, October, 1999,*
58. 1 hour, *Conference and Workshop on "Geometrical Functional Analysis", Vancouver, Canada, July, 1999,*
59. 1 hour, *International Conference on "Convexity", Schloss Weinberg, Austria, April, 1999,*
60. *Conference on "Functional and Harmonic Analysis", Kiel, Germany, August, 1998,*
1 hour, *Conference in "Convex Geometry", Oberwolfach, Germany, December, 1997,*
61. 20-min, session, *Regional Meeting of the American Mathematical Society at Atlanta, Georgia, October, 1997,*
62. Invited participant, *III. Italian conference on Mathematics in Finance, June, 1997,*
63. 20 min, session), *Meeting of the American Mathematical Society at Lawrenceville, New Jersey, October, 96,*
64. 1 hour, *"Geometry in Banach spaces",*
65. Oberwolfach, Germany September, 1996,
66. 1 hour, *Interregional functional analysis conference,*
67. College Station, Texas August, 1996,
68. Invited participant, *Mathematics in Finance, Mathematical Sciences Research Institute, Berkeley, California June, 1996,*
69. 40 min, *"Probabilistic methods in finite dimensional Geometry",*
70. Mathematical Sciences Research Institut, Berkeley, California March, 1996,
71. 1 hour, *"Infinite dimensional convex analysis',*
72. Mathematical Sciences Research Institut, Berkeley, California February, 1996,
73. 1 hour, *Joint Meeting of the American Mathematical Society and the Israel Mathematical Union, May, 1995,*
74. Series of five 1 hour talks, *Spring School in Functional Analysis,*
75. Paseky, Czech Republic April, 1994,
76. 1 hour plenary, *27th Annual Spring Topology Conference, Columbia, South Carolina, March, 1994,*
77. 20 min session, *Conference of the American Society, San Antonio, January, 1993,*
78. 1 hour, *Conference on "Recent Advances in infinite dimensional Banach Space", Columbia Missouri, April, 1992,*
79. 1 hour plenary talk, *International Research Workshop on "Banach space", Universidad de los Andes and the University of Iowa, Merida, Venezuela,, January, 1992,*
80. 30 min, *International Workshop on "Banach space", Hebrew University, Jerusalem, Israel, August, 1991,*
81. 20 min, *Meeting of the American Society of Mathematics, Denton, Texas, November, 1990,*
82. 30 min, *International Conference on "Banach spaces", Strobl, Austria, June, 1989,*

83. *International Conference on “Banach spaces and related Topics”*, Mons, Belgium, August, 1987,
84. 1 hour, *Fifteenth Winterschool on Abstract Analysis and Topology*, Srni, CSSR, January 18–25, 1987,
85. 30 min, *International Conference on “Function spaces”*, Poznan, Poland, August, 1986.

Colloquia Talks

1. University of Illinois, Chicago, April, 2016,
2. Vanderbilt University, December, 2015,
3. University of Linz, Austria, May, 2015,
4. Technical University Prague, Czech Republic May, 2015,
5. Universidad Carlos III, Madrid, Spain June, 2014,
6. University of Linz, Austria, May, 2014,
7. Technical University, Prague, Czech Republic, March, 2013,
8. Czech Academy of Science, Prague, Czech Republic, February, 2012,
9. University of Ljubljana, Slovenia, March, 2011,
10. Universidade de São Paulo, Brazil, June, 2011,
11. University of Glasgow, UK, February, 2011,
12. University of Lancaster, UK, February, 2011,
13. Universidad de Granada, Spain, June, 2010,
14. Virginia Commonwealth University, January, 2010,
15. Universidad de Sevilla, Spain, September, 2009,
16. University of Leeds, UK, July 2008,
17. Universite Paris VII, France, June 2008 (two talks),
18. University of Denver, Colorado, January 2008,
19. Millican Lecture, University of North Texas, November, 2007,
20. University of Illinois, Urbana Champaign, September, 2007,
21. University of Thunder Bay, Canada, March, 2007,
22. Academy of Sciences, Prague, Czech Republic, February, 2007,
23. Speaker - London Mathematical Society Invited Lecture Series
 - Cambridge University, June, 2006,
 - University College London, June, 2006,
 - University of Lancaster, June, 2006,

24. Universidad Oviedo, Oviedo, Spain, February, 2006,
25. University of Alberta, Edmonton, Canada, March 2006,
26. Cambridge University, United Kingdom, May 2005,
27. University of Mississippi, Oxford, Mississippi, February, 2005,
28. Trinity University, San Antonio, Texas, October, 2004,
29. University of Alberta, Canada, October, 2004,
30. Millican Lecture, University of North Texas, Denton, February, 2003,
31. Institute of Mathematics of the Academy of Science, Warsaw, Poland, January, 2002,
32. Trinity University, San Antonio, Texas, October, 2001,
33. University of Texas at Austin, June, 2000,
34. Schrödinger Institut, Vienna, Austria, April ,1999,
35. University of Crete, Greece, May 1999,
36. Hebrew University, Jerusalem, Israel, March, 1999,
37. Technion University, Haifa, Israel, March, 1999,
38. University of Munich, Germany, January, 1999,
39. University of South Carolina, October, 1998,
40. University of Munich, Germany, January, 1998,
41. Instituto Tecnológico Autónomo de México (Department of Finance), April, 1998,
42. University of Texas at Austin, March, 1998,
43. Department of Business, Vienna, Austria, May, 1997,
44. University of Texas, San Antonio, November, 1996,
45. Weizman Institut, Rehovot, Israel, May, 1995,
46. University of Texas at el Paso, November, 1993,
47. Universidad de Sevilla, Spain, July, 1992,
48. Universidad de Valencia, Spain, June, 1992,
49. Universidad Autónoma, Madrid, Spain June, 1992,
50. Universidad Complutense Madrid, Spain, (Minicourse, 2 hours per week for 10 weeks),
May – August, 1992,
51. Kent State University, Kent, Ohio, March 20 – 22, 1992,
52. University of Missouri, Columbia, Missouri October, 1991,
53. Universidad Complutense, Madrid, Spain January, 1990,
54. Academy of Abo, Turko, Finland June, 1990,
55. Academy of Abo, Turko, Finland August, 1987,

AWARDS AND FUNDING

Recognition and Awards

- ★ Fellow of the American Mathematical Society, since 2016,
- ★ University Fellow (\$ 100,000, period: 2001 - 2006),
- ★ Outstanding Award in Service, Department of Mathematics, April 2001,
- ★ University Research Award of the Association of former Students, May 2000,
- ★ The paper *The distortion problem* (with E.Odell), Acta Math. 173 (1994), no. 2, 259–281, was selected for a featured review by the American Mathematical Society.

Funding

- (1) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS-1464713, \$265,000, PI, May 2015 – May 2018,
- (2) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS-1160633, \$220,000, PI, May 2012 – May 2015,
- (3) FUNDAÇÃO DE AMPARO À PESQUISA DO ESTADO DE SÃO PAULO: FAPESP2010/17493-1, ca.\$6000.00, May 2011,
- (4) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS-0856148, \$260,000, PI, June 2009 – May 2012,
- (5) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS-0556013, \$110,000, PI, June 2006 – May 2009,
- (6) PACIFIC INSTITUTE OF MATHEMATICS: Grant to organize Focused Research Group on “Partial Unconditionality”, March 2006,
- (7) LONDON MATHEMATICAL SOCIETY, SCHEME 2 : \$1,200 Pounds, June 2006,
- (8) NATIONAL SCIENCE FOUNDATION: *VIGRE: Department-Wide Infrastructure: Widening the Pipeline for Mathematical Sciences*, DMS-9977354, \$2,300,000, Co-PI, June 2000 - May 2005,
- (9) NATIONAL SCIENCE FOUNDATION: *Banach spaces and operators on them*, DMS-0300058, \$120,000, PI, June 2003 –2006 (no cost extension until June 2007),
- (10) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS-0070456, \$78,000, PI, June 2000 - June 2004,
- (11) NATIONAL SCIENCE FOUNDATION: *A Gaussian correlation problem and infinite dimensional structure theory of Banach spaces*, DMS-9706828, \$65,000, PI, June 1997–June 2000,

- (12) TEXAS ADVANCED RESEARCH PROGRAM (TARP): *A Gaussian Correlation Problem*, 122, \$61,250, PI with J. Zinn, January 1996 to January 1998,
- (13) NATIONAL SCIENCE FOUNDATION: *A Gaussian Correlation Problem and Structure theory of infinite dimensional Banach spaces*, DMS-9501243, \$45,000, PI, June 1995 to June 1997,
- (14) NATIONAL SCIENCE FOUNDATION: *Structure theory of infinite Banach spaces*, DMS-930001, \$53,900, PI, June 1992 to June 1995,
- (15) LOUISIANA EDUCATION QUALITY SUPPORT FUND: *Structure theory of infinite Banach spaces*, \$30,000, PI, June 1992 to June 1994.

Membership in Professional Organizations

- ★ American Mathematical Society

SERVICE

Editorial Work

- ★ Editor, *Advances in Operator Theory*, since September 2016.
- ★ Associate Editor for *The Proceedings of the American Mathematical Society*, since October 2010.
- ★ International Editor for the *Glasgow Mathematical Journal*, since January 1999.

Conference Organization

- ★ Conference on Metric spaces: embeddings into Banach spaces, July 5-9, 2016, College Station, Texas (with Florent Baudier, Michail Ostrovskii, and Nirina Randrianarivony).
- ★ Miniconference on “The Mathematical Legacy of Ted Odell”, August 1 – 2, 2013, College Station, Texas.
- ★ Workshop on “Greedy Algorithms in Banach spaces and Compressed Sensing” (with E. Odell), July 18 – 22, 2011, College Station, Texas.
- ★ Session on “Banach spaces and related areas” (with E. Odell and V. Troitsky) as part of the Summer Meeting of Canadian Mathematics Society, June 3 - 5, 2011, Edmonton, Alberta, Canada.
- ★ “Frames, Banach Spaces and Signal Processing” (with D. Larson) August 7 - August 11, 2006, College Station, Texas.
- ★ AMS Special Session on “Geometry of Banach Spaces and Connections with Other Areas”, (with S. Dilworth and E. Odell), Miami Florida, May 2006.
- ★ AMS Special Session on “Extension of Functions” (with A. Arias, C. Fefferman, E. Odell), San Antonio, January 2006.
- ★ ”Haskellfest”, Miniconference in honor of Haskell Rosenthal (with A. Arias and E. Odell) August 14 - August 15, College Station, 2005.
- ★ Workshop on the Geometry of Banach spaces and infinite Ramsey theory (with E. Odell, S. Todorćević, and N. Tomczak-Jaegerman), Fields Institute, Toronto, Canada, November 2002.
- ★ Special Session on Banach spaces and Operator spaces, Annual meeting of the AMS, (with G. Pisier), College Station, 1994.
- ★ Workshop on “the Gaussian Correlation Conjecture and Related Topics” (with J. Zinn) College Station, June 1998.

Reviewing and Refereeing

- ★ Refereed for: Acta Mathematica, Israel Journal of Mathematics; GAFA; Proceedings of the American Mathematical Society; Transactions of the American Mathematical Society, Pacific Journal of Mathematics; Studia Mathematica; Fundamenta Mathematica; Transactions of the American Mathematical Society; Journal of Harmonic Analysis and Applications; American Journal of Mathematics; Journal of Approximation Theory, Journal of Mathematical Analysis and Applications; Houston Journal of Mathematics; Combinatorica.
- ★ Reviewed proposals for NSERC, NSF, the Estonian Science Foundation, National Natural Science Foundation of China, Israel Science Foundation, BIRS, Czech Science Foundation.

Departmental Service

- ★ Sub-committee for Promotion to Professor, since March 2013; Chair: March 2014 – March 2015.
- ★ Graduate Committee, September 2011 – September 2013.
- ★ Member, Committee to hire post-doctoral fellows, September 2007 – May 2009, Chair: September 2008 -May 2009.
- ★ Subcommittee for Promotion and Tenure, May 2005 – May 2007, Chair: September 2006 – May 2007.
- ★ Director for Graduate Studies, January 2001 – September 2005.
- ★ Chair, Graduate committee, January 2001 – September 2005.
- ★ Member, Undergraduate Committee of the Department of Mathematics, Fall 1999 – Fall 2001.
- ★ Member, Ad-hoc Committee to evaluate the Undergraduate Program, Spring/Summer 2000.
- ★ Member, Executive Committee of the Department of Mathematics, January 1997 – December 1999.
- ★ Member, Subcommittee for Promotion and Tenure, September, 1996 – December, 1996.
- ★ Organizer of the Linear Analysis Seminar, January 1996 – December 2000.
- ★ Member, Committee to develop a program for the Master of Science in Mathematics with Business/Industrial Concentration, 1994 – 199.5
- ★ Member, Committee for the Qualifying Examinations in Real Analysis, January 1994 – June 1996.

University Committees

- ★ Member, Research Advisory Committee to the Dean, September, 2005 – September 2014.
- ★ Member, Dean's advisory committee on Tenure and Promotion, September, 2012 – September, 2015, and September 2016 – September, 2107.

TEACHING

Chair of the following Ph.D. committees

- ★ Andrew Swift (co-chair: F. Baudier) graduation (expected) August 2018,
- ★ Keaton Hamm (co-chair: N. Sivakumar) graduated August 2015, Position obtained: Visiting Assistant Professor, Vanderbilt University.
- ★ Ryan Causey (co-chair: G. Paouris) graduated August 2014. Position obtained: Visiting Assistant Professor, University of South Carolina, Columbia.
- ★ Aaron Bailey (co-chair: N. Sivakumar), graduated August 2011. Position obtained: Visiting Assistant Professor, University of Connecticut, Storres,
- ★ Rui Liu (co-chaired with G. Ding), graduated January 2010. Position obtained: Assistant Professor, University of Nankai,
- ★ Daniel Freeman, graduated August, 2009. Position obtained: Bing Instructorship, University of Texas, Austin, afterwards: Assistant Professor, St. Louis University, St. Louis, Missouri.

Chair of the following Master's committees

- ★ Yi Zhang, graduation (expected) May 2016,
- ★ Shuang Yin. (co-chair: P. Howard), Graduation: May 2013,
- ★ David Shephard (co-chaired: M. Boggess), May 2012, Mathematical Finance, position obtained: Actuarial Analyst, Aon-Hewit,
- ★ Rashi Arora (co-chair: M. Boggess), August 2011, Mathematics in Finance, position obtained: Lecturer, TAMU, Qatar,
- ★ Ursula Zavala (co-chaired with M. Boggess), August 2011 Mathematics in Finance, position obtained: Lecturer, Blinn College,
- ★ Michael Dermont, May 2011, Traditional Track, position obtained: Actuarial Internship Blue Cross/Blue Shield,
- ★ Michelle Moyer (co-chair: M. Boggess), May 2010, Mathematics in Finance, position obtained: Actuarial Analyst II, USAA.
- ★ Youngdeug Ko, May 2003, Traditional Track, position obtained: Ph.D. student, Texas A&M,
- ★ Roel Morales, May 2003, Traditional Track, position obtained: Ph.D. student, North Texas State University, Denton,
- ★ Maria Baiamonte, May 2002, Traditional Track, position obtained: Lecturer, University of Tennessee at Knoxville,

- ★ Jochen Sutor, August 1998, Mathematics in Finance, position obtained: Mercedes Benz AG,
- ★ Sven Gronenberg, August 1998, Mathematics in Finance, position obtained: Ph.D. student, Universität Ulm,
- ★ Ed Glidwell, August 1998, Mathematics in Finance, position obtained: PhD student, Pennsylvania State University,
- ★ Georg Reiser, May 1997; co-chaired with Bruce Lowe, Mathematics in Finance, position obtained: SAP AG.

Course Development

- ★ Development of a graduate course in Mathematics of Finance; Mathematics of contingent claims (Option Pricing); this course is part of the department's master's program "Finance and Mathematics".

Classes (since 2000)

A) Graduate Classes

- ★ Math 655, Functional Analysis , Fall 2016,
- ★ Math 608, Real Variables II, Spring 2015,
- ★ Math 607, Real Variables, Fall 2013,
- ★ Math 663, Seminar in Analysis, "Greedy Approximations", Fall 2012,
- ★ Math 655, Functional Analysis I, Fall 2011,
- ★ Math 608, Real Variables, II , Spring, 2010 ,
- ★ Math 607, Real Variables, I, Fall, 2009,
- ★ Math 655, Functional Analysis, Fall 2007
- ★ Math 663, Seminar in Analysis, "Logic and Set Theory in Analysis" , Fall 2006,
- ★ Math 655, Functional Analysis , Fall 2003,
- ★ Math 663, Introduction to Real Analysis, Fall 2002,
- ★ Math 663, Problems in Mathematics, Summer 2002,
- ★ Math 608, Real Variables, II, Spring, 2002,
- ★ Math 607, Real Variables, I, Fall, 2001,
- ★ Math 628, Mathematics in Finance, Spring 2001,
- ★ Math 628, Mathematics in Finance, Spring 2000.

B) Undergraduate Classes

- ★ Math409, Advanced Calculus, Fall 2016,
- ★ Math171, Calculus I, Fall 2016 (two sections),
- ★ Math171, Calculus I, Fall 2015 (two sections),
- ★ Math172, Calculus II, Spring 2015 (two sections),
- ★ Math171, Calculus I, Fall 2013 (two sections),
- ★ Math171, Calculus I, Fall 2012 (two sections),
- ★ Math308, Differential Equations, Fall 2011,
- ★ Math172, Calculus II, Fall 2010 (two sections),
- ★ Math 152, Engineering Calculus I, Fall, 2009,
- ★ Math 410, Advanced Calculus II, Spring 2009,
- ★ Math 222, Discrete Mathematics -Writing Course, Spring 2009,
- ★ Math 436, Introduction to Topology, Spring 2008,
- ★ Math 151, Engineering Calculus I, Fall 2007,
- ★ Math 409, Advanced Calculus, Fall 2008,
- ★ Math151, Engineering Calculus I (two classes), Fall 2005,
- ★ Math 446, Introduction to Real Analysis, I , Spring 2004,
- ★ Math 447, Introduction to Real Analysis, II, Fall 2003,
- ★ Math 407, Complex Variables, Spring 2003,
- ★ Math 409, Advanced Calculus, Fall 2000.

Post-Doctoral Advisees

- ★ Pavlos Moutakis, Sept. 2015 –
- ★ Andras Zsak (obtained lecturership at Peterhouse College, Cambridge, UK), Sept. 2002 – May, 2005,
- ★ Anisca Rasvan (obtained tenure track position at Lakehead University, Thunder Bay, Ontario, Canada), Sept 2001 – May 2003,
- ★ George Androulakis (obtained tenure track position at University of South Carolina in Columbia), Sept. 1998 – May, 2000
- ★ Mark Rudelson (obtained tenure track position at University of Missouri in Columbia, now professor at University of Michigan), Sept, 1993 – May, 1996.