

Last Update: April, 2012

## Curriculum Vitae

### Personal Data

Thomas Berthold Schlumprecht

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

Nationality: German

Visa Status (in the USA): permanent resident since September 1997.

### 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

1/01 – 9/05	Associate Head (for Graduate studies)	Texas A&M University, College Station
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 (post-doctoral fellow)	University of Texas at Austin
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, 2012
- ★ 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.

### Preprints

- [1] S.A. Argyros, D. Freeman, R. Haydon, E. Odell, Th. Raikoftsalis, Th. Schlumprecht, and D. Zisimopoulou, *HI extensions of  $\mathcal{L}_\infty$ -spaces with very few operators*, (approximately 56 pages).
- [2] S. Dilworth, D. Kutzarova, me and P. Wojtaszczyk, *Weak Threshold Greedy Algorithms in Banach spaces*, (approximately 20 pages).

### Papers to appear

- [1] V. Ferenczi and Th. Schlumprecht, *Subsequential minimality in Gowers and Maurey space*, Proceedings of the London Mathematical Society, (approximately 30 pages).
- [2] 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, (approximately 15 pages).
- [3] 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 London Mathematical Society, (approximately 23 pages).
- [4] Th. Schlumprecht, *On the Closed Subideals of  $L(\ell_p \oplus \ell_q)$* , Operators and Matrices, (approximately 15 pages).
- [5] M. Daws, R. Haydon, Th. Schlumprecht and S. White, *Shift invariant preduals of  $\ell_1(Z)$* , Israel Journal, (approximately 28 pages).

### Papers in Print

- [1] R. Haydon, E. Odell, and Th. Schlumprecht, *Small subspaces of  $L_p$* , Annals of Mathematics, **173**, (2011) 169 – 209.
- [2] D. Freeman, E. Odell and Th. Schlumprecht, *The universality of  $\ell_1$  as a dual space*, Mathematische Annalen, **351**, (2011) 149 – 186.
- [3] 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.
- [4] S. Dilworth, D. Freeman, E. Odell and Th. Schlumprecht, *Greedy bases for Besov spaces*, Constructive Approximation, **43**, 281-296.

- [5] S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *Renormings and symmetry properties of one greedy bases*, Journal of Approximation Theory, **163**, Issue 9 (20111049 – 1075.)(approximately 24 pages).
- [6] 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.
- [7] 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.
- [8] S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *Partial Unconditionality*, Houston Journal of Mathematics, **35**, (2009) 1251–1311.
- [9] D. Freeman, E. Odell, Th. Schlumprecht and A. Zsak, *Spaces of bounded Szlenk index, II*, Fundamenta Mathematica, **205**, (2009) 161–177.
- [10] 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.
- [11] S. Dilworth, E. Odell, Th. Schlumprecht and A. Zsak, *Coefficient quantization in Banach spaces*, Foundations of Computational Mathematics, **8**, no. 6 (2008) 703 – 736.
- [12] E. Odell, Th. Schlumprecht and A. Zsak, *On the structure of asymptotic  $\ell_p$  spaces*, The Quarterly Journal of Mathematics, **59**, (2008) 85 – 122.
- [13] 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.
- [14] E. Odell, Th. Schlumprecht and A. Zsak, *Banach spaces of bounded Szlenk index*, Studia Mathematica, **183**, no.1 (2007) 63- - 97.
- [15] 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.
- [16] 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.
- [17] 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.
- [18] E. Odell and Th. Schlumprecht, *Embedding into Banach spaces with finite dimensional decompositions*, Rev. R. Acad. Cien Serie A Mat., **100**, (2006) 295–323.
- [19] 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.
- [20] 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.

- [21] 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.
- [22] 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.
- [23] G. Androulakis and Th. Schlumprecht, *S is complementably minimal and subsequentially block prime*, Studia Mathematica, **156**, no.3 (2003) 227–242.
- [24] E. Odell and Th. Schlumprecht, *Trees and branches in Banach spaces*, Transaction of the American Mathematical Society, **354**, no. 10 (2002) 4085–4108.
- [25] 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).
- [26] 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.
- [27] E. Odell and Th. Schlumprecht, *A Banach space block finitely universal for monotone bases*, Transactions of the American Mathematical Society, **4**, (2000) 1859-1888.
- [28] 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.
- [29] H. Knaust E. Odell and Th. Schlumprecht, *On Asymptotic structure, the Szlenk index and UKK properties in Banach spaces*, Positivity, **3**, (1999) 173-199.
- [30] 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.
- [31] E. Odell and Th. Schlumprecht, *Asymptotic properties of Banach spaces under renormings*, Journal of the American Mathematical Society, **11**, (1998) 175-188.
- [32] E. Odell and Th. Schlumprecht, *A problem on spreading models*, Journal of Functional Analysis, **153**, (1998) 249-261.
- [33] 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.)
- [34] 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.
- [35] 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.
- [36] E. Odell and Th. Schlumprecht, *The distortion problem*, Acta Mathematica, **173**, (1994) 259–281.
- [37] M. Lindström, and Th. Schlumprecht, *A characterization of Frèchet-Schwartz spaces*, Bulletin of the London Mathematical Society, **25**, (1993) 55–58.

- [38] E. Odell, H. Rosenthal and Th. Schlumprecht, *On weakly null F.D.D.'s*, Israel Journal of Mathematics, **84**, (1993) 333–351.
- [39] E. Odell and Th. Schlumprecht, *The distortion of Hilbert space*, Geometric and Functional analysis, Birkhaeuser Verlag, **3**, no. 2 (1993) 201–207.
- [40] Th. Schlumprecht, *Limited sets in  $C(K)$ -spaces and examples concerning the Gelfand Phillips property*, Mathematische Nachrichten, **157**, (1992) 51–64.
- [41] 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.
- [42] Th. Schlumprecht, *An arbitrarily distortable Banach space*, Israel Journal of Mathematics, **76**, (1991) 81–95.
- [43] Th. Schlumprecht, *A limited set that is not bounding*, Proceedings of the Royal Irish Academy, **90**, no. 2 (1990) 125–129.
- [44] Th. Schlumprecht, *On dual spaces without weak\* convergent convex blocks*, Proceedings of the American Mathematical Society, **107**, no. 2 (1989) 395–408.
- [45] 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  $\ell_p$* , Seminar notes in Functional Analysis and Partial Differential Equations, (1992) 57–89.
- [5] P. Gänsler 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/sofar.pdf>

## Invited Presentations at Conferences

1. 1 hour, *Workshop on Banach space theory, International Research Station, Banff, Canada*, April 2012,
2. 1 hour, *40th Winterschool in Abstract Analysis, Klenci, Czech Republic*, January, 2011,
3. 40 mins, *Regional Meeting of the AMS, special session on "Banach Spaces", Richmond, Virginia*, November 2010,
4. 1 hour, *Satellite conference of the ICM on "Functional Analysis and Operator theory", Bangalore, India*, August 2010,
5. 30 min, *International Functional Analysis Meeting in Valencia on the Occasion of the 80th Birthday of Professor Manuel Valdivia, Valencia, Spain*, June 2010,
6. 30 min, *From Banach Spaces to Frames, University of Maryland, Maryland*, May 2010,
7. 1 hour, *Regional Conference in Analysis, Kent, Ohio*, March 2010,
8. 3hours Lecture Series, *Invited 3 hours Minicourse, IV Curso Internacional de Analisis Matematico en Andalucia, Seville, Spain*, September 2009,
9. 20 min, *The State of Geometry and Functional Analysis, Tel Aviv, Israel*, June 2009,
10. 1 hour, *Conference on Banach spaces, operators and inequalities in honour of Graham Jameson, May* 2009,
11. 30 min, *National Meeting of the Canadian Mathematical Society, Session on Banach spaces*, December 2008,

12. 1 hour, *IMST Conference, Session on "Banach Space Theory and Applications"*, Memphis, Tennessee, May 2008,
13. 1 hour, *Spring School in Modern Analysis, Department of Mathematics, Czech Academy of Sciences, Prague*, April 2008,
14. 1 hour, *AMS-ASL Special Session on "Analysis and Logic" at Joint National Meeting, San Diego*, January 2008,
15. 1 hour, *Kent State Informal Analysis Seminar, Kent, Ohio*, October 27-28, 2007,
16. 1 hour, *Wabash Conference on Abstract Analysis, Indianapolis, Indiana*, September 8-9, 2007,
17. 2 hours plenary, *International Conference on Banach Spaces and Operator Spaces, Chern Institute of Mathematics, Tianjin, China*, July 21 -25, 2007,
18. four-hour tutorial, *Conference on Set Theory of the Reals, University of Florida Special Year in Logic*, , May, 2007,
19. three one - hour talks, 35. *Winterschool in Abstract Analysis, Lhota, Czech Republic*, January, 2007,
20. Invited participant, *Workshop on the Kadison Singer Problem, American Institute of Mathematics*, October 2006,
21. 1 hour, *London Mathematical Society Regional Meeting Leeds*, July 2006,
22. 1 hour, *Banach spaces and their applications in Analysis, Miami University, Oxford, Ohio*, May 2006,
23. 30 min, *AMS-ASL Special Session on Interdisciplinary Research Involving Analysis and Logic, National Meeting of the AMS*, Jan 2006,
24. 1 hour, *Informal Regional Functional Analysis Seminar, College Station, Texas*, August 2005,
25. 1 hour, *Contemporary Ramifications of Banach Space Theory, Jerusalem, Israel*, June 2005,
26. 1 hour, *Workshop on Geometric Methods in Analysis and Probability, Schroedinger Institut, Vienna, Austria*, May 2005,
27. 20 min, *Joint Meeting of the AMS and the Mexican Mathematical Society, Houston, Texas*, May 2000,
28. 40 min, *Regional Meeting of the AMS, special session on Banach Spaces, Athens Ohio*, April, 2004,
29. 1 hour, *Regional Conference in Analysis, Kent, Ohio*, December, 2003,
30. 20 min, *National AMS meeting, special session on Banach Spaces and Convex Geometry*, January 2003,
31. 1 hour plenary, *Application of Set theory and Logic to Analysis, Workshop in the Fields Institute, Toronto*, November 2002.,
32. 1 hour, *Workshop in Pacific Institute of Mathematics, Vancouver*, July 2002.,
33. 1 hour, plenary, *Operator Theory and related areas, Timisoara, Romania*, July 2002,

34. 1 hour, plenary, *Recent Development in the Theory of Banach spaces and related fields*, Memphis Tennessee, October, 2001,
35. 20 min, *AMS Conference*, South Carolina, March, 2001,
36. 1 hour ,address, *Regional Conference in Analysis*, Kent, Ohio, December, 2000,
37. 1 hour, plenary, *Wabash Conference in Modern Analysis*, Indianapolis, Indiana, October 2000,
38. 20 min, *Regional AMS Conference*, Austin, Texas, October, 1999,
39. 1 hour, *Conference and Workshop on Geometrical Functional Analysis*, Vancouver, Canada, July, 1999,
40. 1 hour, *International Conference on Convexity*, Schloss Weinberg, Austria, April, 1999,
41. *Conference on Functional and Harmonic Analysis*, Kiel, Germany, August, 1998.,
42. 1 hour, *Conference in convex geometry*, Oberwolfach, Germany, December, 1997,
43. 20-min, session, *Regional Meeting of the American Mathematical Society at Atlanta*, Georgia, October, 1997,
44. Invited participant, *III. Italian conference on Mathematics in Finance*, June, 1997,
45. 20 min, session), *Meeting of the American Mathematical Society at Lawrenceville*, New Jersey, October, 96,
46. 1 hour, *Geometry in Banach spaces*, Oberwolfach, Germany, September, 1996,
47. 1 hour, *Interregional functional analysis conference*, College Station, Texas, August, 1996,
48. Invited participant, *Mathematics in Finance*, Mathematical Sciences Research Institut, Berkeley, California, June, 1996,
49. 40 min, *Probabilistic methods in finite dimensional Geometry*, Mathematical Sciences Research Institut, Berkeley, California, March, 1996,
50. 1 hour, *Infinite dimensional convex analysis*, Mathematical Sciences Research Institut, Berkeley, California, February, 1996,
51. 1 hour, *Joint Meeting of the American Mathematical Society and the Israel Mathematical Union*, May, 1995,
52. Series of five 1 hour talks, *Spring School in Functional Analysis*, Paseky, Czech Republic, April, 1994,
53. 1 hour plenary, *27<sup>th</sup> Annual Spring Topology Conference*, Columbia, South Carolina, March, 1994,
54. 20 min session, *Conference of the American Society*, San Antonio, January, 1993,
55. 1 hour, *Conference on recent Advances in infinite dimensional Banach Space*, Columbia Missouri, April, 1992,
56. 1 hour plenary talk, *International Research Workshop on Banach space*, Universidad de los Andes and the University of Iowa, Merida, Venezuela., January, 1992,
57. 30 min, *International Workshop on Banach space*, Hebrew University, Jerusalem, Israel, August, 1991,

58. 20 min, *Meeting of the American Society of Mathematics, Denton, Texas, November, 1990,*
59. 30 min, *International Conference on Banach spaces, Strobl, Austria, June, 1989,*
60. *International Conference on Banach spaces and related Topics, Mons, Belgium, August, 1987,*
61. 1 hour, *Fifteenth Winterschool on Abstract Analysis and Topology, Srni, CSSR, January 18–25, 1987,*
62. 30 min, *International Conference on Function spaces, Poznan, Poland, August, 1986,*

### Colloquia Talks

1. University of Ljubljana, Slovenia March 2011,
2. Czech Academy of Science, Prague, Czech Republic February 2012,
3. Universidade de São Paulo, Brazil June, 2011,
4. University of Glasgow, UK February, 2011,
5. University of Lancaster, UK February, 2011,
6. Universidad de Granada, Spain June, 2010,
7. Virginia Commonwealth University January 2010,
8. Universidad de Sevilla, Spain September, 2009,
9. University of Leeds, UK July 2008,
10. Universite Paris VII, France June 2008 (two talks),
11. University of Denver, Colorado January 2008,
12. Millican Lecture, University of North Texas November 2007,
13. University of Illinois, Urbana Champaign September 2007,
14. University of Thunder Bay, Canada March, 2007,
15. Academy of Sciences, Prague February, 2007,
16. Speaker - London Mathematical Society Invited Lecture Series,
  - Cambridge University, June 2006,
  - University College London, June 2006,
  - University of Lancaster, June 2006,
17. Universidad Oviedo, Oviedo, Spain, February 2006,
18. University of Alberta, Edmonton, Canada, March 2006,
19. Cambridge University, United Kingdom, May 2005,
20. University of Mississippi, Oxford, Mississippi, February 2005,
21. Trinity University, San Antonio, Texas, October, 2004,

22. University of Alberta, Canada, October 2004,
23. Millican Lecture, University of North Texas, Denton, February 2003,
24. Institute of Mathematics of the Academy of Science, Warsaw, Poland, January, 2002,
25. Trinity University, San Antonio, Texas, October, 2001,
26. University of Texas at Austin, June, 2000,
27. Schroedinger Institut, Vienna, Austria, April 1999,
28. University of Crete, Greece, May 1999,
29. Hebrew University, Jerusalem, Israel, March 1999,
30. Technion University, Haifa , Israel, March 1999,
31. University of Munich, Germany, January 1999,
32. University of South Carolina, October, 1998,
33. University of Munich, Germany, January 1998,
34. Instituto Tecnologico Autonomo de Mejico (Department of Finance), April, 1998,
35. University of Texas at Austin, March, 1998,
36. Department of Business, Vienna, Austria, May, 1997,
37. University of Texas, San Antonio, November, 1996,
38. Weizman Institut, Rehovot, Israel, May, 1995,
39. University of Texas at el Paso, November 1993,
40. Universidad de Sevilla, Spain July, 1992,
41. Universidad de Valencia, Spain June, 1992,
42. Universidad Autonoma, Madrid, Spain, June, 1992,
43. Universidad Complutense Madrid, Spain (also taught a minicourse, 2 hours per week for 10 weeks), May – August, 1992,
44. Kent State University, Kent, Ohio , March 20–22, 1992,
45. University of Missouri, Columbia, Missouri, October, 1991,
46. Universidad Complutense, Madrid, Spain, January, 1990,
47. Academy of Abo, Turko, Finland, June, 1990,
48. Academy of Abo , Turko, Finland, August, 1987,

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## AWARDS AND FUNDING

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## Recognition and Awards

- ★ 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: *Structure theory of infinite Banach spaces*, DMS–930001, \$53,900, PI, June 1992 to June 1995,
- (2) LEQSF: *Structure theory of infinite Banach spaces*, \$30,000, PI, June 1992 to June 1994,
- (3) 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,
- (4) TEXAS ADVANCED RESEARCH PROGRAM (TARP): *A Gaussian Correlation Problem*, 122, \$61,250, PI with J. Zinn, January 1996 to January 1998,
- (5) NATIONAL SCIENCE FOUNDATION: *A Gaussian correlation problem and infinite dimensional structure theory of Banach spaces*, DMS–9706828, \$65,000, PI, June 1997–June 2000,
- (6) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS–0070456, \$78,000, PI, June 2000 - June 2004,
- (7) NATIONAL SCIENCE FOUNDATION: *VIGRE: Department-Wide Infrastructure: Widening the Pipeline for Mathematical Sciences*, DMS–9977354, \$2,300,000, Co-Pi, June 2000 - May 2005,
- (8) NATIONAL SCIENCE FOUNDATION: *Banach spaces and operators on them*, DMS–0300058, \$120,000, PI, June 2003 –2006 (no cost extension until June 2007),
- (9) PACIFIC INSTITUTE OF MATHEMATICS: Grant to organize Focused Research Group on “Partial Unconditionality”, March 2006,
- (10) LONDON MATHEMATICAL SOCIETY, SCHEME 2 : \$1,200 Pounds, June 2006,
- (11) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS–0556013, \$110,000, PI, June 2006 – May 2009,
- (12) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS–0856148, \$260,000, PI, June 2009 – May 2012,
- (13) FUNDAÇÃO DE AMPARO À PESQUISA DO ESTADO DE SÃO PAULO: FAPESP2010/17493-1, ca.\$6000.00, May 2011,
- (14) NATIONAL SCIENCE FOUNDATION: *Banach spaces: Theory and Applications*, DMS–1160633, \$220,000, PI, May 2012 – May 2015,

## Membership in Professional Organizations

★ American Mathematical Society

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## SERVICE

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### Editorial Work

- ★ 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

- ★ 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. Todorčević, 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; 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.

## Departmental Service

- ★ Graduate Committee, since September 2011
- ★ Committee to hire post-doctorial 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, 1994-1995
- ★ Member, Committee for the Qualifying Examinations in Real Analysis, January 1994 – June 1996.

## University Committees

- ★ Member, Research Advisory Committee to the Dean, since September 2005.

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## TEACHING

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### **Chair of the following Ph.D. committees**

- ★ Daniel Freeman, graduated August, 2009. Position obtained: Bing Instructorship, University of Texas, Austin.
- ★ Rui Liu (co-chaired with G. Ding), graduated January 2010. Position obtained: Assistant Professor, University of Nankai.
- ★ Aaron Bailey (co-chairing with N. Sivakumar), graduated August, 2011 Position obtained: Visiting Assistant Professor, University of Connecticut, Storres.
- ★ Ryan Causey graduation (expected), August 2015.

### **Chair of the following Master's committees**

- ★ Georg Reiser, May 1997; co-chaired with Bruce Lowe, Mathematics in Finance, position obtained: SAP AG.
- ★ Ed Glidwell, August 1998, Mathematics in Finance, position obtained: PhD student, Pennsylvania State University.
- ★ 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.
- ★ Youngdeug Ko, May 2003, Traditional Track, position obtained: Ph.D. student, Texas A&M.
- ★ Maria Baiamonte, May 2002, Traditional Track, position obtained: Lecturer, University of Tennessee at Knoxville.
- ★ Roel Morales, May 2003, Traditional Track, position obtained: Ph.D. student, North Texas State University, Denton.
- ★ Michelle Moyer (co-chaired with M. Boggess), May 2010, Mathematics in Finance, position obtained: Actuarial Analyst II, USAA.
- ★ Michael Dermont, May 2011, Traditional Track, position obtained: Actuarial Internship Blue Cross/Blue Shield.
- ★ Rashi Arora (co-chaired with 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.
- ★ David Shephard (co-chaired with M. Boggess), May 2012, Mathematical Finance.

## 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 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

- ★ 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**

- ★ George Androulakis (obtained tenure track position in University of South Carolina)
- ★ Andras Zsak (obtained visiting position in University of Cambridge, UK)
- ★ Anisca Rasvan (obtained tenure track position in Lakehead University, Thunder Bay, Ontario, Canada)