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1 Education

Ph.D., University of Washington, March 1986. Title of Dissertation “The conjugate function on locally compact abelian groups.” Advisor, Professor Edwin Hewitt.
B.S., University of Washington, June 1980.

2 Positions Held

Professor, Department of Mathematics, University of Missouri-Columbia, Columbia, Missouri, September 1998.
Associate Professor, Department of Mathematics, University of Missouri-Columbia, Columbia, Missouri, September 1993– August 1998.
Assistant Professor, Department of Mathematics, University of Missouri-Columbia, Columbia, Missouri, September 1988–August 1993.
Assistant Professor, Department of Mathematics and Computer Science, California State University, Long Beach, California, September 1987–June 1988.
Lecturer, California State University, Long Beach, California, August 1986–May 1987.
Postdoctoral Fellow, University of Washington, Seattle, Washington, January 1986–June 1986.

3 Awards

1998 William T. Kemper Fellowship Award for Teaching Excellence (\$ 10,000).
1997 Arts and Science Student Government Purple Chalk Award in honor of excellent teaching.
1991–92 Provost’s Outstanding Junior Faculty Teaching Award (University of Missouri–Columbia) (\$1,000).

4 Books

1. Partial Differential Equations with Fourier Series and Boundary Value Problems, 2nd ed, Prentice Hall, approximately 800 pages, appeared in June 2004, Copyright 2005.
2. Calculus and its Applications, 10th ed, Prentice Hall, approximately 700 pages, appeared in 2003, Copyright 2004 (with Larry J. Goldstein, David C. Lay, and David I. Schneider).
3. Brief Calculus and its Applications, 10th ed, Prentice Hall, approximately 500 pages, appeared in 2003, Copyright 2004 (with Larry J. Goldstein, David C. Lay, and David I. Schneider).
4. Applied Complex Analysis with Partial Differential Equations, Prentice Hall, approximately 880 pages, appeared in 2002, Copyright 2002, (with the assistance of Gregory Jones).
5. Partial Differential Equations and Boundary Value Problems, Prentice Hall, 608 pages, appeared in August 1999, Copyright 2000.

5 Research Articles

1. (With F. Neurberg and S. Watson) *A multiplier theorem for Fourier series in several variables*, Colloq. Math (2007).
2. (With Stephen Montgomery-Smith) *Decomposition of analytic measures on groups and measure spaces*, Studia Math. **146** (2001), 261–284.
3. (With Stephen Montgomery-Smith and Sadahiro Saeki) *Transference in spaces of measures*, Journal of Funct. Analysis **165** (1999), 1–23.
4. (With Stephen Montgomery-Smith) *Analytic measures and Bochner measurability*, Bull. des Sciences Math. **122**, (1998) 39–66.
5. (With Earl Berkson and T.A. Gillespie) *Note on norm convergence in the space of weak type multipliers*, Journal of Operator Theory, **39** (1998), 139–149.
6. (With Annela Kelly and Stephen Montgomery-Smith) *Vector-valued weakly analytic measures*, Hokkaido Math. J. **27** (1998), 457–473.
7. (With Stephen Montgomery-Smith) *A dimension-free weak type $(1, 1)$ estimate for a conjugate maximal function*, Studia Math. **125** (1997), 13–21.
8. (With Stephen Montgomery-Smith) *Hardy martingales and Jensen's Inequality*, Bulletin of the Australian Math. Soc. **55** (1997), 185–195.
9. (With Brian Kelly) *Distributional control for operators on vector valued L^p -spaces*, Rocky Mountain Journal of Math. **27** (1997), 61–84.

10. (With Stephen Montgomery-Smith) *A transference theorem for ergodic H^1* , Quarterly Journal of Math. (Oxford), **48** (1997), 417–430.
11. (With Stephen Montgomery-Smith) *Hahn's Embedding Theorem for orders and harmonic analysis on groups with ordered dual groups*, Colloq. Math., **70** (1996), 235–252.
12. (With Phyllis Panman) *Weighted norm inequalities for the conjugate function on the \mathfrak{a} -adic solenoid*, Methods and Applications of Analysis, **3** (4), (1996), 498–508.
13. (With Brian Kelly, and S. Montgomery-Smith) *A note on UMD spaces and transference in vector-valued function spaces*, Proc. Edinburgh Math. Soc., **39** (1996), 485–490.
14. (With Brian Kelly) *Vector-valued transference and maximal ergodic theorems in UMD-valued function spaces*, Collectanea Math., **XLVII** (1996), 63–75.
15. (With Earl Berkson and T.A. Gillespie) *Generalized de Leeuw Theorems and extension theorems for weak type multipliers*, Proceedings of Missouri Conference on "Interaction between Function Analysis, Harmonic Analysis, and Probability", edited by N. Kalton et al, Lecture Notes in Pure and Applied Mathematics, Vol. 175, Marcel Dekker (1996), 41–67.
16. (With Earl Berkson and T.A. Gillespie) *Maximal estimates on measure spaces for weak type multipliers*, Journal of Geometrical Analysis, **5** (1995), 167–179.
17. (With Earl Berkson and T.A. Gillespie) *Maximal estimates on groups, subgroups, and the Bohr compactification*, Journal of Functional Analysis, **132** (1995), 383–416.
18. (With Earl Berkson and T.A. Gillespie) *Convolution estimates and generalized de Leeuw type theorems for multipliers of weak type $(1, 1)$* , Canadian J. Math., **47** (1995), 225–245.
19. (With Earl Berkson and T.A. Gillespie) *On Jodeit multiplier extension theorems*, Journal d'Analyse Mathématique, vol. 64 (1994), 337–345.
20. (With Earl Berkson and Jean Bourgain) *Restrictions from R^n to Z^n of weak type $(1, 1)$ multipliers*, Studia Math., **108** (3) (1994) 291–299.
21. (With Earl Berkson and T.A. Gillespie) *Spectral integration of Marcinkiewicz Multipliers*, Canadian Journal of Math., **45**, No. 3, (1993), 470–482.
22. (With Stephen Montgomery-Smith) *Distribution of Sidon series*, Arkiv för Matematik, **31**, No. 1, (1993), 13–26.
23. (With Stephen Montgomery-Smith) *Littlewood–Paley theory on solenoids*, Colloquium Mathematicum, **LXV**, (1993), 69–82.

24. (With Earl Berkson and T. A. Gillespie) *Transference of weak type Maximal inequalities by distributionally bounded representations*, Quarterly J. of Math. **43**, No. 171, (1992), 259–282.
25. (With Earl Berkson and T.A. Gillespie) *Transference of almost everywhere convergence*, Journal of Operator Theory, **27** (1992) 283–308.
26. (With Earl Berkson and T.A. Gillespie) *Almost everywhere convergence for transferred convolution operators*, in “Function Spaces”, edited by Krzysztof Jarosz, Marcel Dekker Lecture Notes in Pure and Applied Mathematics, **136**, (1992), 31–43.
27. (With Earl Berkson and T.A. Gillespie) *Invariant Subspaces and harmonic conjugation on compact abelian groups*, Pacific J. Math, **155**, No. 2, (1992), 201–213.
28. (With R. Nair) *Certain averages on the a -adic numbers*, Proc. Amer. Math. Soc., **114**, No. 1, (1992), 21–28.
29. (With S. Watson) *Harmonic conjugation in L^1 on compact abelian groups*, Math. Proc. Cambridge Phil. Soc., **111**, Part 1, (1992), 113–127.
30. (With Earl Berkson and T.A. Gillespie) *Transfert de la convergence presque partout*, Comptes rendus de l’ Académie des Sciences, Paris, **315** Série I (1992), 1389–1392.
31. (With Earl Berkson and T. A. Gillespie) *Transference of maximal inequalities by separation-preserving representations*, Amer. J. Math **113**, (1991), 47–74.
32. (With Earl Berkson and T.A. Gillespie) *Transferred bounds for square functions*, Houston J. of Math., **17** (1991) , 525–550.
33. (With Earl Berkson and T.A. Gillespie) *Distributional control and generalized analyticity*, Integral Equations and Operator Theory, **14**, (1991), 311–341.
34. *Exponential estimates for the conjugate function on locally compact abelian groups*, Can. Mat. Bul., Vol. **33**, (1), (1990), 34–44.
35. *A note on analytic measures*, J. of Math. and Math. Sc., Vol. 13, (1), (1990), 187–188.
36. *On a Stein and Weiss property of the conjugate function*, Canadian Journal of Math, Vol. **42**, (1), (1990), 109–126.
37. (With Earl Berkson and T. Alastair Gillespie) *Representation of groups with ordered dual groups and generalized analyticity*, Journal of Functional Analysis, Vol. **90**, (1), (1990), 206–235.
38. (With Kent Merryfield) *On the inversion of Fourier Transforms*, Bul. Australian Mat. Soc. Vol. **40**, (3), (1990), 429–440.

39. (With Earl Berkson and T. Alastair Gillespie) *Summability methods for transferring Fourier multipliers and transference of maximal inequalities*, in “Analysis and Partial Differential Equations: a Collection of Papers Dedicated to Mischa Cotlar”, edited by Cora Sadosky, Marcel Dekker, New York, Lecture Notes in Pure and Applied Math. Vol. **122**, 1–34, (1990).
40. (With Earl Berkson and T.A. Gillespie) *Transfert des inégalités maximales de type faible*, C.R. Acad. Sci. Paris, t. **310**, Série I, (1990), 167–170.
41. (With Earl Berkson and T.A. Gillespie) *Transfert des multiplicateurs de type faible*, C.R. Acad. Sc., Paris, t. **311**, Série I, No. 3, (1990), 173–176.
42. (With Earl Berkson and T. A. Gillespie) *Transfert des opérateurs maximaux par des représentations conservant la séparation*, C. R. Acad. Sci. Paris, t. **309** Série I, (1989), 163–166.
43. *A homomorphism theorem for multipliers*, Proceed. Edinburgh Math. Soc., Vol **32**, (1989), 213–221.
44. *The conjugate function on the finite dimensional torus*, Canadian Math. Bull., Vol. **32 (2)**, (1989), 140–148.
45. (With Edwin Hewitt) *Marcel Riesz’s theorem on conjugate Fourier series and its descendants*, Proceedings of the Analysis Conference, (Singapore, 1986). Edited by T.L. Choy, 1988, Elsevier Publishers, North Holland, New York, pp. 1–56.
46. (With Edwin Hewitt) *A generalized Marcel Riesz theorem on conjugate functions*, Analysis at Urbana. Proceedings of Special Year in Modern Analysis, University of Illinois, Urbana, (1987), edited by E. Berkson, T. Peck, and J.J. Uhl, London Math. Soc. Lecture Note Series, 137, 41–46, 1989.

6 Ph. D. Students

1. Elena Koutcherik: Szego’s Theorem and transference, 2007.
2. Annela Rämmer Kelly: Weakly analytic vector-valued measures, 1996.
3. Phyllis Panman: A_p conditions for the ergodic Hilbert transform on locally compact abelian groups, 1995.
4. Brian Kelly: Distributionally controlled representations acting on spaces of vector valued functions, 1994.