

Curriculum Vitae

Boris Shekhtman

SCHOOL ADDRESS

MATHEMATICS

Arts & Sciences

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PERSONAL AND CONTACT INFORMATION

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EDUCATIONAL QUALIFICATIONS

Year	Degree	Major	Institution	Comments
1980	Ph.D.	Mathematics	Kent State University	
1976	M.S.	Mathematics	Tartu State University	

ACADEMIC EXPERIENCE

Year	Academic Title	Institution	Comments
08/1993	Professor	University of South Florida	
08/1993-12/1993	Visiting Professor	University of California-Riverside	
08/1986-07/1993	Associate Professor	University of South Florida	
08/1983-07/1986	Visiting Assistant Professor	University of California-Riverside	
08/1981-07/1983	Visiting Assistant Professor	University of Southern California	
08/1978-07/1979	Teaching Assistant	Kent State University	
08/1976-07/1978	Assistant Researcher	Academy of Science, Estonia	
08/1976-07/1977	Instructor of Mathematics	Tallinn Polytechnic Institute	

In preparation

Submitted:

Published and accepted for publication

1. Boris Shekhtman and Tom McKinley, Polynomials with Vanishing Hessians and some density problems. *Approximation theory XV*, to appear
2. Boris Shekhtman and Tom McKinley, On a problem of Pinkus and Wajnryb regarding density of multivariate polynomials, *Proc of AMS*, Volume 145, Number 1 (2017) pp. 185—190.
, Published electronically: July 6, 2016., DOI: <http://dx.doi.org/10.1090/proc/13196>
3. Shekhtman Boris , On one class of Hermite projector, *Constructive Approximation*, vol. 44 (2016), pp. 297—311. DOI: [10.1007/s00365-015-9311-5](https://doi.org/10.1007/s00365-015-9311-5).
4. Shekhtman Boris, On regularity of generalized Hermite interpolation *Computer Aided Geometric Design* (2016), pp. 134-139, DOI information: [10.1016/j.cagd.2015.12.006](https://doi.org/10.1016/j.cagd.2015.12.006)
5. Shekhtman Boris and L. Skrzypek, On a Characterization of Hilbert Spaces through minimality of orthogonal projections and related topics, *JCAAM*,(2015) Vol 13, No 3—4, 322—329.
6. Shekhtman Boris and Tatyana Sorokina, Intrinsic Supersmoothness, *JCAAM*,(2015) Vol 13, No 3—4, 232--241
7. Shekhtman Boris, One characterization of Lagrange projectors. *Approximation theory XIV*, San Antonio 2013, Springer (2014), pp. 335--341.
8. Shekhtman Boris and L. Skrzypek. Minimal Versus Orthogonal Projections onto Hyperplanes in ℓ_1 and ℓ_∞ , *Approximation theory XIV*, San Antonio 2013, Springer (2014), pp. 343--349.
9. Shekhtman Boris, Regularity of Birkhoff Interpolation Schemes, *Proceedings of AMS*, Vol 142, No10 (2014), 3569--33573.
10. Tom Mckinley and Shekhtman B., On Haar covering of k^2 by three-dimensional spaces, *Journal of Approximation Theory* 182 (2014), 92—102.
11. Tom Mckinley and Shekhtman B., On some problems in multivariate interpolation, *JCAAM*, V12, #1—2, (2014), pp. 124—136.
12. Shekhtman Boris, On cyclicity and regularity of commuting matrices, *Mathematics and statistics* (2013), 1(3): 157—161.
13. Ma, Jinghan Meng, Boris Shekhtman, Tri-integrable couplings of the KdV hierarchy associated with a non-semisimple Lie algebra, *Global Journal of Mathematical sciences*. (2013), Vol. 2, 9--19
14. Shekhtman, Boris, On Symbolic Computation of Ideal Projectors, *Approximation Theory XIII*, San Antonio 2010, Springer *Proceedings in Mathematics*, Volume 13, 2012, 289--295 .
15. W.E. Clark, T. McKinley and Shekhtman B., On ideal extensions of ideal complements, *Journal of Commutative algebra*, Vol. 3, No 103 (2011), 295—300.

16. Shekhtman Boris, On non-existence of certain error formulas for ideal interpolation, *Journal of Approximation Theory*, 162 (2010) 1398–1406
17. W-X, Ma, Shekhtman, Boris, Do the chain rules for matrix functions hold without commutativity? *LAMA*, 58, Vol. 58, No 1, (2010), 79—87.
18. McKinly T and Boris Shekhtman, On simultaneous block-diagonalization of cyclic commuting matrices, *LAMA*, Vol. 58, No. 2, (2010), 245–256.
19. Shekhtman Boris, A taste of ideal interpolation, *Journal of Concrete and Applicable Mathematics*, VOL.8, NO.1, (2010), 125—149.
20. Shekhtman Boris, Skrzypek, L., On uniqueness of Fourier projections in L_p spaces, *Journal of Concrete and Applicable Mathematics*, VOL.8, NO.3, (2010), 439—447.
21. Shekhtman Boris, Skrzypek, L., Non-Uniqueness of minimal projections in L_p , *Journal of Approximation Theory*, 161, (2009), 23—34.
22. McKinly T and Boris Shekhtman, What do real ideal projectors interpolate, *Nonlinear Analysis Series A: Theory, Methods & Applications*, 71, (2009), 2457—2461.
23. Shekhtman Boris, Ideal Interpolation, Translations to and from Algebraic Geometry, in *Approximate Commutative Algebra, "Texts and Monographs in Symbolic Computation"*, Springer-Verlag, 2009, 163—189.
24. Shekhtman Boris, Some tidbits on ideal projectors, commuting matrices and their applications, *ETNA, Elec. Trans. Numer. Anal.*, 36(2009), 17—26
25. Shekhtman Boris, On the limits of Lagrange projectors, *Constructive Approximation*, 29, (2009), 293—301.
26. Shekhtman, Boris, On a conjecture of Tomas Sauer regarding nested ideal interpolation, *Proc. Amer. Math. Soc.* **137** (2009), 1723-1728.
27. De Boor, C, Shekhtman, Boris. On the pointwise limits of bivariate Lagrange projectors, *LAA*, 429 (2008), 311--325.
28. Shekhtman, Boris. Bivariate ideal projectors and their perturbations., *Advances in Compt. Mathematics*, Volume 29, (2008), 207--228
29. Shekhtman, Boris, On error formulas for multivariate polynomial interpolation, *Approximation Theory XII, San Antonio 2007*, (M. Neamtu and L. Schumaker eds.) Nashboro Press 2008, 386--397.
30. Shekhtman, Boris., W-X, Ma, Linear System arising from a Polynomial Problem . *Chinese Annals of Mathematics, Chin. Ann. Math, Volume 28B, number 3, (2007), 283—292*
31. Shekhtman, Boris. Perturbations of Ideal Complements. In *Banach Spaces and their Applications in Analysis*, B. Randrianantonina and N. Randrianantonina eds. De Gruyter, Berlin-New York (2007), 413--422
32. Shekhtman, Boris. On a Problem of Carl de Boor regarding the limits of Lagrange Projectors . *Constructive Approximation*, Volume 24, Number 3 / 2006, 365—370.
33. Shekhtman, Boris., Skrzypek, L. Geometric aspects of minimal projections onto planes . *Constructive Theory of Functions, Varna 2005* (B.D. Bojanov ed.), *Martin Drinov Academic Publishing House, (2006), 267—277.*
34. Shekhtman, Boris. On one question of Ed Saff . *ETNA, Elec. Trans. Numer. Anal.*, Vol 25, (2006), 439-445
35. Shekhtman, Boris., Skrzypek, L. Norming points of Orthogonal projections . *Abstract and Applied Analysis*, vol. 2006, Article ID 42305, 17 pages.
36. Shekhtman, Boris. On a Naive Error Formula for Multivariate Interpolation. *Splines and Wavelets, Wavelets and Splines, Athens 2005, Mod. Methods Math.*, (2006), 416--427
37. Shekhtman, Boris., Rakhmanov, E. Discrete norms of Polynomials on the Circle. *Journal of approximation theory*, **139** (2006), no. 1-2, n0 1-2 2—7

38. Shekhtman, Boris., Uniqueness of Tchebysheff subspaces and their ideal relatives, *Frontiers in Interpolation and Approximation, Pure and Applied Mathematics , Chapman&Hall, (2006), 407—425*
39. Shekhtman, Boris. " Ideal projections onto planes. " *Approximation theory XI: Gatlinburg 2004 Mod. Methods Math., Nashboro Press, Brentwood, TN, 2005.* (2005): 395-404
40. Shekhtman, Boris, and Leslaw Skrzypek. "Uniqueness of Minimal Projections onto two-dimensional Subspaces . " *Studia Mathematica* 168:3 (2005): 273-284
41. Shekhtman, Boris. "Case Study in Bivariate Hermite Interpolation . " *Journal of Approximation Theory* 136 (2005): 140-150
42. Shekhtman, Boris. "On Hermite interpolation in R_d ." *Electron. Trans. Numer. Anal.* 18 (2004): 65-72.
43. Shekhtman, Boris. "Polynomial interpolation in R_3 ." *Comput. Math. Appl.* 48:9 (2004): 1299-1304.
44. Shekhtman Boris, Interpolation by matrix-generated polynomials, in *Advances in Constructive Approximation, Vanderbilt 2003, Neamptu and Saff (eds), Nashboro press (2004), 477—493.*
45. Shekhtman, Boris, B. L. Chalmers, and M. I. Ostrovskii. "Hahn-Banach operators: a review." *Approximation theory and wavelets (Austin, TX, 1999), J. Comput Anal. Appl.* 5:1 (2003): 11-24.
46. Shekhtman, Boris. "On interpolation by and Banach spaces of polynomials." *Paul Erdos and his mathematics, I (Budapest, 1999), Bolyai Soc. Math. Stud., Jnos Bolyai Math. Soc., Budapest (2002): 637-652.*
47. Shekhtman, Boris. "Interpolation by polynomials in several variables." *Approximation theory, X (St. Louis, MO, 2001), Innov. Appl. Math., Vanderbilt Univ. Press, Nashville, TN (2002): 367-372.*
48. Shekhtman, Boris, and Bruce L. Chalmers. "On spaces admitting minimal projections which are orthogonal." *Approximation theory, X (St. Louis, MO, 2001), Innov. Appl. Math., Vanderbilt Univ. Press, Nashville, TN (2002): 113-116.*
49. Shekhtman, B., and B. L. Chalmers. "On minimal and almost locally minimal and orthogonal minimal projections." *Trends in approximation theory (Nashville, TN, 2000), Innov. Appl. Math., Vanderbilt Univ. Press, Nashville, TN (2001): 49-52.*
50. Shekhtman, B., and B. L. Chalmers. "A two-dimensional Hahn-Banach theorem." *Proc. Amer. Math. Soc. (electronic)* 129:3 (2001): 719-724.
51. Shekhtman, Boris, and Ivan V. Ivanov. "Linear discrete operators on the disk algebra." *Proc. Amer. Math. Soc. (electronic)* 129:7 (2001): 1987-1993.
52. Shekhtman, Boris. "On the divergence of polynomial interpolation in the complex plane." *Constr. Approx.* 17:3 (2001): 455-463.
53. Shekhtman, Boris. "Obstacles to bounded recovery." *Abstr. Appl. Anal.* 6:7 (2001): 381-400.
54. Shekhtman, Boris, B. L. Chalmers, and C. Cottin. "Minimal Boolean sum and blending-type projections and extensions." *Approximation in mathematics (Memphis, TN, 1997), Comput. Math. Appl.* 40:1 (2000): 63-70.
55. Shekhtman, B., B. L. Chalmers, and F. T. Metcalf. "On the computation of minimal projections: millennium report." *Applied mathematics reviews, World Sci. Publishing, River Edge, NJ (2000): 119-156.*
56. Shekhtman, Boris. "On the density principle for rational functions." *Mathematical journey through analysis, matrix theory and scientific computation (Kent, OH, 1999), Numer. Algorithms* 25:1-4 (1999): 341-346.
57. Shekhtman, Boris, W. Edwin Clark, David C. Fisher, and S. Suen. "Upper bounds for the domination number of a graph." *Proceedings of the Twenty-ninth Southeastern International Conference on Combinatorics, Graph Theory and Computing (Boca Raton, FL, 1998), Congr. Numer.* 132 (1998): 99-123.

58. Shekhtman, Boris, and Ivan Ivanov. "Linear discrete operators and recovery of functions." *Approximation theory IX, Vol. I. (Nashville, TN, 1998), Innov. Appl. Math., Vanderbilt Univ. Press, Nashville, TN (1998): 157-164.*
59. Shekhtman, Boris. "On the discrete norms of polynomials." *Approximation theory IX, Vol. I. (Nashville, TN, 1998), Innov. Appl. Math., Vanderbilt Univ. Press, Nashville, TN (1998): 303-307.*
60. Shekhtman, Boris, and B. L. Chalmers. "Actions that characterize l_∞ ." *Linear Algebra Appl.* (1998): 155-169.
61. Shekhtman, Boris, W. Edwin Clark, and Gregory L. Mccolm. "An application of spanning trees to k -point separating families of functions." *J. London Math. Soc. (2)* 58:2 (1998): 297-310.
62. Shekhtman, B., and B. L. Chalmers. "Spectral properties of operators that characterize $l_\infty^{(n)}$." *Abstr. Appl. Anal.* 3:3-4 (1998): 237-246.
63. Shekhtman, Boris, and W. E. Clark. "Covering by complements of subspaces II." *Proc. Amer. Math. Soc.* 125:1 (1997): 251-254.
64. Shekhtman, Boris, and W. E. Clark. "Domination numbers of q -analogues of Kneser graphs." *Bull. Inst. Combin. Appl.* 19 (1997): 83-92.
65. Shekhtman, Boris, and W. E. Clark. "On the domination numbers of certain analogues of Kneser graphs." *Proceedings of the Twenty-eighth Southeastern International Conference on Combinatorics, Graph Theory and Computing (Boca Raton, FL, 1997) Congr. Numer.* 126 (1997): 175--181.
66. Shekhtman, B., and B. L. Chalmers. "Some estimates of action constants and related parameters." *Approximation in mathematics (Memphis, TN, 1997), Comput. Math. Appl.* 40:1 (1997): 71-79.
67. Shekhtman, Boris, and B. L. Chalmers. "Extension constants of unconditional two-dimensional operators." *Linear Algebra Appl.* (1996): 173-182.
68. Shekhtman, Boris. "Another note on polynomial vs. rational approximation." *J. Approx. Theory* 85:3 (1996): 343-347.
69. Shekhtman, Boris. "Interpolation of individual functions, Concrete analysis." *Comput. Math. Appl.* 30:3-6 (1995): 191-196.
70. Shekhtman, Boris, and A. Levin. "Two problems on interpolation." *Constr. Approx.* 11:4 (1995): 513-515.
71. Shekhtman, Boris, and W. Edwin Clark. "Covering by complements of subspaces." *Linear and Multilinear Algebra* 40:1 (1995): 1-13.
72. Shekhtman, Boris. "On simultaneous interpolation of two functions." *Approximation theory VIII, Vol. 1 (College Station, TX, 1995), Ser. Approx. Decompos., World Sci. Publishing, River Edge, NJ* 6 (1995): 515-518.
73. Shekhtman, Boris. "Interpolating subspaces in \mathbb{R}_n , Interpolating at two and three points." *Approximation theory, wavelets and application (Maratea, 1994), NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci., Kluwer Acad. Publ., Dordrecht* 454 (1995): 465-471.
74. Shekhtman, Boris, and W. Edwin Clark. "On the domination matrices of the C-analogues of Kneser graphs." *Proceedings of the Twenty-sixth Southeastern International Conference on Combinatorics, Graph Theory and Computing (Boca Raton, FL, 1995), Congr. Numer.* 107 (1995): 193-197.
75. Shekhtman, Boris, and B. L. Chalmers. "On the role of l_∞ in approximation theory." *Approximation, probability and related fields (Santa Barbara, CA, 1993), Plenum, New York* (1994): 151-160.
76. Shekhtman, Boris, and B. L. Chalmers. "The action constants." *Approximation probability and related fields (Santa Barbara, CA, 1993), Plenum, New York* (1994): 161-166.
77. Shekhtman, Boris. "On the strong form of the Faber theorem." *Stochastic processes and functional analysis (Riverside, CA, 1994), Lecture Notes in Pure and Appl. Math., Dekker, New York* 186 (1994): 215-218.

78. Shekhtman, Boris. "Duality principle in linearized rational approximation." *Methods of approximation theory in complex analysis and mathematical physics (Leningrad, 1991), Lecture Notes in Math., Springer, Berlin* 1550 (1993): 173-177.
79. Shekhtman, Boris, and P. Borwein. "The density of rational functions in Markov systems: a counterexample to a conjecture of D. T. Newman." *Const. Approx.* 9:1 (1993): 105-110.
80. Shekhtman, Boris, and G. Gierz. "On Archimidian ordered vector spaces and a characterization of simplices." *Proc. Amer. Math. Soc.* 116:2 (1992): 369-375.
81. Shekhtman, Boris. "Discrete approximating operators on function algebras." *Constr. Approx.* 8:3 (1992): 371-377.
82. Shekhtman, Boris. "Some examples concerning projection constants." *Approximation theory, spline functions and applications, (Maratea, 1991), NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci., Kluwer Acad. Publ., Dordrecht* 356 (1992): 471-476.
83. Shekhtman, Boris, B. L. Chalmers, and K. C. Pan. "A strategy for proving extensions of the 4/3 conjecture." *Approximation theory (Memphis, TN, 1991), Lecture Notes in Pure and Appl. Math., Dekker, New York* 138 (1992): 207-215.
84. Shekhtman, Boris, B. L. Chalmers, and K. C. Pan. "When is the adjoint of a minimal projection also minimal." *Approximation theory (Memphis, TN, 1991), Lecture Notes in Pure and Appl. Math., Dekker, New York* 138 (1992): 217-226.
85. Shekhtman, Boris. "Some idempotent matrices of large rank." *Approximation interpolation and summability (Ramat Aviv, 1990/Ramat Gan, 1990), Israel Math. Conf. Proc., Bar-Ilan Univ, Ramat Gan* 4 (1991): 261-266.
86. Shekhtman, Boris, and K. C. Pan. "On minimal interpolating projections and trace duality." *J. Approx. Theory* 65:2 (1991): 216-230.
87. Shekhtman, Boris, N. Dyn, and D. Lubinsky. "On density of generalized polynomials." *Canad. Math. Bull.* 34:2 (1991): 202-207.
88. Shekhtman, Boris. "On polynomial "interpolation" in L_1 ." *J. Approx. Theory* 66:1 (1991): 24-28.
89. Shekhtman, Boris. "On a problem of G. G. Lorentz regarding the norms of Fourier projections." *Proc. Amer. Math. Soc.* 108:1 (1990): 187-190.
90. Shekhtman, Boris, and E. B. Saff. "Interpolatory properties of best L_2 -approximants." *Indag. Math. (N.S.)* 1:4 (1990): 483-498.
91. Shekhtman, Boris. "On rational bases." *Approximation theory VI, Vol. II (College Station, TX, 1989), Academic Press, Boston, MA* (1989): 589-592.
92. Shekhtman, Boris, and G. Gierz. "On spaces with large Chebyshev subspaces." *J. Approx. Theory* 54:2 (1988): 155-161.
93. Shekhtman, Boris. "On the norms of interpolating operators." *Israel J. of Math.* 64:1 (1988): 39-48.
94. Shekhtman, Boris. "On the geometry of real polynomials." *Approximation theory, Tampa (Tampa, Fla., 1985-1986), Lecture Notes in Math., Springer, Berlin* 1287 (1987): 161-175.
95. Shekhtman, Boris, and Gerhard Gierz. "On duality in rational approximation." *Constructive Function Theory* "86 Conference (Edmonton, AB, 1986), Rocky Mount. J. Math. 19:1 (1986): 137-143.
96. Shekhtman, Boris, and Gerhard Gierz. "On approximation by rationals from a hyperplane." *Proc. Amer. Math. Soc.* 96:3 (1986): 452-454.
97. Shekhtman, Boris. "On some problems of M. Z. Nashed on outer inverses." *Linear Algebra Appl.* (1986): 149-152.
98. Shekhtman, Boris, and D. J. Newman. "On isomorphisms with prescribed range." *J. Math. Anal. Appl.* (1986): 299-302.
99. Shekhtman, Boris, and G. Gierz. "A duality principle for rational approximation." *Pacific J. Math.* 125:1 (1986): 73-92.

100. Shekhtman, Boris, and G. Gierz. "Non-linear Approximation from a Hyperplane: Rational Approximation versus Product Approximation". *Approximation Theory V*, Academic Press (1986). p.347-350
101. Shekhtman, Boris, and D. J. Newman. "A Losynski-Kharshiladze theorem for Muntz polynomials." *Acta Math. Hungar.* 45:3-4 (1985): 301-303.
102. Shekhtman, Boris, and Bruce L Chalmers. "Minimal projections and absolute projection constants for regular polyhedral spaces." *Proc. Amer. Math. Soc.* 95:3 (1985): 449-452.
103. Shekhtman, Boris. "On projections in L_1 and L_∞ ." *Constr. Approx.* (1985): 297-303.
104. Shekhtman, Boris. "On the norms of some projections." *Banach spaces (Columbia, Mo., 1984), Lecture Notes in Math., Springer, Berlin* 1166 (1985): 177-185.
105. Shekhtman, Boris. "On projections in approximation theory." *Approximation theory and spline functions (St. John's, Nfld., 1983), NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci., Reidel, Dordrecht* 136 (1984): 455-466.
106. Shekhtman, Boris. "Interpolation projections and Banach spaces." *J. Approx. Theory* 38:4 (1983): 338-343.
107. Shekhtman, Boris. "Some classification schemes in approximation theory." *Proc. of Approximation Theory IV* (1983): 673-678.
108. Shekhtman, Boris. "Why piecewise linear functions are dense in $C[0,1]$." *J. Approx. Theory* 36:3 (1982): 265-267.
109. Shekhtman, Boris. "Properties of spline projections." *Multivariate approximation theory, II (Oberwolfach, 1982), Internat. Ser. Numer. Math., Birkh user, Basel* 61 (1982): 375-384.
110. Shekhtman, Boris. "Some remarks on approximation in $C(O)$." *Approximation Theory, III (Proc. Conf., Univ. Texas, Austin, Tex., 1980), Academic Press, New York-London* (1980): 829-836.
111. Shekhtman, Boris. "The limits of abstract splines." *Numer. Funct. Anal. Optim.* 2:5 (1980): 375-385.
112. Shekhtman, Boris. "Unconditional convergence of abstract splines." *J. Approx. Theory* 30:3 (1980): 237-246.
113. Shekhtman, Boris. "Abstract interpolation theory." *Tartu Riikl.  el. Toimetised (Russian)* 448 (1978): 82-93.
114. Shekhtman, Boris. "Abstract interpolation theory." *Proc. of the Student Conference of Baltic Republics, (Russian)* (1977): 78-79.
115. Shekhtman, Boris. "Interpolation in Hilbert Spaces." *Proc. of Petropavlovsk Student Conference* (1976): 56-57.

CONFERENCES PRESENTATIONS

Over 100 conferences in US, Canada, Brazil, South Africa, Germany, USSR, Russia, Austria, Italy, Portugal, Hungary, Israel, France, Great Britain,.

23 Invited and Plenary talks in US, Brazil, Austria, Italy, Hungary, Israel, France, Great Britain.

CONFERENCES ORGANIZED,

US-USSR conference in Approximation Theory, Tampa (1988)

AMS Conference, Tampa (1989), AMAT, Memphis, 2008

EDITORIAL ACTIVITIES:

Editor of: Journal of Applied Functional Analysis,
Editor of: Journal of Abstract and Applied Analysis,

Referee for 17 leading journals in mathematics.

Ph. D. students:

K. C. Pan (1990), I. Ivanov (1992), R. Taylor (2007), D. Prokhorov (in progress), T. McKinley (in progress)
Member of over 30 Ph. D. committees.

TEACHING AND RESEARCH INTERESTS

- Approximation Theory and Classical Analysis
- Algebraic Geometry
- Functional Analysis
- Harmonic Analysis
- Linear Algebra
- Graph Theory

Contracts and Grants from FAST

Proposal Title Projections in Approximation Theory, \$15, 000, NSF, 06/1981-07/1982

Proposal Title Cooperative research USF-Inria (France), \$25, 000, NSF-FR, 06/1996-07/1996

Proposal Status Description : Declined by Sponsor

Proposal Begin Date : 05/01/08 **Proposal End Date** : 04/30/11

Budgeted Amount : \$201,656.00 **Spending Amount** : \$201,656.00

Proposal Type:PROPOSAL

COURSES Developed

- Advanced Numerical Analysis (USC, 1981-1982)
- Seminar in Approximation Theory (UCR, 1984-1985)
- Seminar in Rational Approximation (UCR, 1984-1985)
- Functional Analysis and Banach Algebras (UCR, 1985-1986)
- Reading course in Harmonic Analysis (USF, 1986)
- Measure Theory and Integration (USF, 1987, 1989-1990)
- Projections in Banach Spaces and Approximation Theory (USF, 1989)
- Reading course in Projections in Banach Spaces (USF, 1990)
- Prep. Course in Real Analysis, (USF 1991)
- Ideal Interpolation, (USF, 2006)
- Multivariate Interpolation (USF, 2009)

GOVERNANCE/COMMITTEES

Year	Name of Committee	Role	Institution
05/2008-09/2009	New Appointments Committee	Member	USF
08/2007-05/2008	Library Committee	Member	USF, Department of Mathematics and Statistics
2007	member college of arts and sciences T & P committee		
08/2006-05/2008	New Appointments Committee		
08/2006-05/2008	Advisory Committee	Member	USF, Department of Mathematics
08/2006-05/2007	Publicity Committee	Member	USF, Department of Mathematics
08/2004-08,2006	College of arts and sciences T & P committee		
08/2005-05/2006	Publicity Committee	Member	USF, Department of Mathematics
08/2005-05/2006	New Appointments Committee	Chair	USF, Department of Mathematics
08/2004-05/2006	Tenure and Promotion Committee	Member	USF, Coll. of Arts & Sciences
08/1993-05/1994	New Appointments Committee	Chair	USF, Department of Mathematics
08/1992-07/1994	Advisory Committee	Member	USF, Department of Mathematics
08/1991-05/1992	Undergraduate Committee	Member	USF, Department of Mathematics
08/1990-07/1991	Honors Committee	Member	University of South Florida
08/1990-07/1991	Honors Program Committee Graduate Committee	Member	University of South Florida
08/1989-07/1990	Travel Committee	Member	USF, Department of Mathematics
08/1987-07/1989	Library Committee	Member	USF, Department of Mathematics
08/1986-07/1987	Colloquium Committee	Member	USF, Department of Mathematics

AWARDS

Year	Society/Association
2006	Most viewed article in JAT
2002	Presidential award (USF)
06/1996-07/1996	Visiting INRIA Institute, France
06/1991-07/1991	Visiting Witts University, South Africa
06/1990-07/1990	Visiting Simon Fraser University, Canada
06/1989-06/1989	Visiting Kent State University
07/1989-07/1989	Visiting Dalhausie University, Canada
06/1982-07/1982	Visiting Kent State University
08/1980-05/1981	Post-Doctoral Studies, MRC, University of Wisconsin-Madison

08/1979-05/1980

University Fellowship, Kent State University

01/1976

Republic prize for the best diploma in Mathematics, Tallin, USSR

01/1974

Medal of Estonian Students Math. Society, Tartu, USSR