November 2, 2005

ADDRESSES, TALKS, SEMINARS


15. May 27, 2004. Invited lecture Talbot’s effect for Schrödinger equation with integrable potentials. CBMS conference on tiling, Carleson theorem, and applications of combinatorial methods in harmonic analysis, Department of Mathematics, Georgia Institute of Technology, Atlanta, GA.


17. April 16, 2004. Talk Talbot’s phenomenon for Schrödinger equation with non-smooth potential, Analysis Seminar, Department of Mathematics, USC.

18. February 11, 2004. Talk The double trigonometric series with the hyperbolic phase, and a problem of S. Chowla, Analysis Seminar, Department of Mathematics, Georgia Institute of Technology, Atlanta, GA.

19. January 22, 2004. Colloquium talk Quantum carpets, Talbot’s effect, and Analytic Number Theory, Department of Physics, USC.


29. April 18, 25; May 02, 2003. Series of 3 talks *Multiple discrete oscillatory Hilbert transforms*, Number Theory Seminar, Department of Mathematics, USC.


33. February 13, 2003. Talk S.A. Telyakovskii’s result and multiple oscillatory Hilbert transforms with the polynomial phases, Seminar on Approximation Theory, Steklov Mathematical Institute of the Russian Academy of Sciences, Moscow, Russia.


36. April 2002. Talk Plane wave decompositions of multi-variate polynomials, Number Theory Seminar, Department of Mathematics, University of South Carolina, Columbia.

37. March 2002. Talk On the representations of bi-variate polynomials as linear combinations of plane waves, Geometry and Analysis Seminar, Department of Mathematics, University of South Carolina, Columbia.

38. February 2002. Invited talk Gridge Approximation and Radon compass, International Workshop in Approximation Theory, School of Mathematical Sciences, Tel Aviv University, Israel.


42. April 2001. Talk Trigonometric series with the polynomial phase and their applications to Schrödinger type equations, Analysis Seminar, Department of Mathematics, Georgia Institute of Technology, Atlanta, GA.

43. March 2001. Talk Fibonacci numbers and arithmetical properties of solutions of Schrödinger equation with periodic initial data, Interdisciplinary Seminar, Department of Physics, USC.

44. March 2001. Invited lecture Oscillatory Hilbert transforms with the polynomial phase and their applications to Schrödinger type equations, the program on “Oscillatory Integrals and Dispersive Equations”, March 19-23, Institute for Pure and Applied Mathematics, University of California, Los Angeles, CA.

45. March 2001. Talk On the polynomial gridge series (963-42-212), Special Session on Approximation and Wavelets, III. 963rd AMS Meeting, University of South Carolina, Columbia, SC.

46. March 2001. Talk Turan’s method and ridge approximation of harmonic functions (963-41-207), Special Session on Analytic Number Theory, I. 963rd AMS Meeting, University of South Carolina, Columbia, SC.

47. January 2001. Colloquium talk Oscillatory Hilbert transforms and their applications, Department of Mathematics, Georgia Southern University, Statesboro, GA.


51. September – October 2000. Series of talks *Fourier analysis as genesis of wavelets*, Interdisciplinary Seminar, Department of Physics, USC.


64. March 1998. Address Nonlinearity versus linearity in ridge approximation, Special Session on Nonlinear Problems, Meeting #932, American Mathematical Society, March 27 – 28, Kansas State University, Manhattan, Kansas

65. March 1998. Report Schrödinger equation and oscillatory Hilbert transforms of second degree, Special Session for Contributed papers, Meeting #932, American Mathematical Society, March 27 – 28, Kansas State University, Manhattan, Kansas


69. March 1997. Series of talks Radon – Fourier analysis, ridge approximation and optimal quadrature formulas, Seminar on Functional Analysis, Department of Mathematics, USC.

70. February 1997. Colloquium talk Ridge approximation and orthogonal polynomials, Department of Mathematics, University of South Florida, Tampa, Florida.


73. February 1996. Invited talk *Orthogonal trigonometric polynomial bases with explicit coefficients* at the Workshop On Spline Functions and the Theory of Wavelets, Centre de Recherche Mathématiques, Montreal, Canada.


75. December - November 1994. Series of talks on Research Seminars of the Department of Mathematics, USC:

- *Properties of Radon transforms* - Research Seminar on Approximation Theory;
- *Polygon approximation of functions of two variables*;
- *Orthonormal trigonometric polynomial bases via the Theory of Wavelets*;
- *Variational properties of solutions of time dependent Schrödinger equation of a free particle* - Seminar on Applied Mathematics;
- *Vinogradov's estimate of the smallest quadratic non-residue* - Number Theory Seminar.


78. March 1993. Colloquium talks *Curlicues, Gauss sums and self-similarity in time-dependent Schrödinger equation* – University of South Carolina (Columbia, SC), University of South Florida, Tampa, Fl.

79. March 1993. Colloquium talks *Orthonormal polynomial bases in the spaces C and A with explicit coefficients and the theory of wavelets* – University of Windsor (Windsor, Ont., Canada) and York University, Toronto, Ont., Canada.


- Talk *Optimal quadrature formulae on certain classes of periodic functions* – Seminar of the Department of Mathematics of the University of Stellenbosch, South Africa;
Series of talks *Wavelets* – Department of Mathematics at Wits University, Johannesburg, South Africa.

82. February 1992. Colloquium talk *Chaotic features of solutions to time Dependent Schrödinger equation with periodic initial data* – Department of Mathematics of the University of South Florida, Tampa, Fl.


84. February 1992. Talk *Orthonormal trigonometric polynomial bases and wavelets* – Seminar on Approximation Theory, Department of Mathematics of the University of South Carolina, Columbia, SC.


   Talk *Wavelets and orthonormal trigonometric polynomial bases* – Mini-Conference on Approximation Theory, August 1991, Dalhousie University, Halifax, Nova Scotia, Canada;

86. July 1991. Colloquium talk *Time dependent Schrödinger equation with periodic initial data* – Department of Mathematics, University of Missouri- Columbia, Columbia, Missouri;

   Colloquium talk *Trigonometric series with polynomial spectra* – Department of Mathematics, University Missouri-Rolla, Rolla, Missouri;

   Series of talks *Wavelets* – Department of Mathematics and Statistics, Queen’s University, Kingston, Ontario, Canada.

87. June 1991. Talk *Wavelets* – Special Conference, Center of Mathematical Research, University of Montreal, Quebec, Canada;


93. Plenary and contributed Conference talks given at International and all-Union Conferences held in Moscow, Kalouga, Kiev, Minsk, Erevan, Ufa, Tbilissi, Kemerovo, Saratov, Voronezh, Dnepropetrovsk, Vil'nius.