International Conference

Harmonic Analysis and Approximations, V

10 - 17 September, 2011, Tsaghkadzor, Armenia

Dedicated to 75th anniversary of academician **Norair Arakelian**

P R O G R A M M E

10 SEPTEMBER

10^{00}-19^{00} Arrival and Registration

19^{00}-21^{00} *Opening Ceremony and Welcome Reception*

11 SEPTEMBER

9^{00}-10^{00} *Breakfast*

PLENARY LECTURES - Chairman: *P. Gauthier*

10^{00}-10^{50} N. Arakelian, *Analytic and real analytic continuation*
11^{00}-11^{50} D. Drasin, *Frequently hypercyclic entire functions*
11^{50}-12^{10} *Coffee Break*
12^{10}-13^{00} J. Müller, *Continuous functions with universal Fourier series*

13^{00}-14^{00} *Lunch*

SECTION A – Chairman: *U. Goginava*

15^{00}-15^{20} R. Hovsepyan, *On one class of trigonometric series*
15^{25}-15^{45} E. Lebedeva, *Periodic wavelets with good angular-frequency localization*
15^{55}-16^{15} M. Grigoryan, *On the coefficients of expansion of continuous function by the Faber-Schauder system*
16^{20}-16^{40} G. Karagulyan, *On the divergence sets of some sequences of operators*
16^{50}-17^{10} M. Nalbandyan, *On one representation spectrum*

SECTION B – Chairman: *N. Nikolski*

15^{00}-15^{20} H. Malonek, *On special functions in hypercomplex function theory and their applications*
15^{25}-15^{45} A. Karapetyan, *Weighted integral representations of holomorphic functions in tube domains over real balls*
15^{55}-16^{15} A. Cação, *Multidimensional Appell sequences via hypercomplex function theory*

16^{20}-16^{40} K. Avetisyan and Y. Tonoyan, *Some extensions of the Hardy-Littlewood inequalities for harmonic functions*

16^{50}-17^{10} S. Aleksanyan, *Optimal uniform and tangential approximation on the sector by the entire functions*

SECTION C – Chairman: *V. Nestoridis*

15^{00}-15^{20} W. Luh, *Analytic properties of power series with radius of convergence zero*

15^{25}-15^{45} Th. Neuschel, *Asymptotics for menage polynomials*

15^{55}-16^{15} S. Mironova, B. Katz and A. Pogodina, *Solvability of jump boundary value problem on a countable set of closed curves*

16^{20}-16^{40} J. Koch, *On a conjecture by Louis Brickman concerning complex polynomials*

16^{50}-17^{10} P. Mohanty, *Vector valued bilinear maximal operator*

17^{15}-17^{35} S. Petrosyan, *Discrete Mellin transform*

19^{00}-20^{00} *Dinner*

20^{00}-20^{50} Concert

12 SEPTEMBER

9^{00}-10^{00} *Breakfast*

PLENARY LECTURES – Chairman: *K.I. Oskolkov*

10^{00}-10^{50} V. Temlyakov, *Lebesgue-type inequalities for greedy approximation with respect to bases*

11^{00}-11^{50} P. Wojtaszczyk, *Sparse functions*

11^{50}-12^{10} *Coffee Break*

12^{10}-13^{00} W. Sickel, *Best m-term approximation and tensor products of Sobolev and Besov spaces*

13^{00}-14^{00} *Lunch*

SECTION A – Chairman: *G. Gevorkyan*

15^{00}-15^{20} U. Goginava, *Almost everywhere summability of Walsh-Fourier series*

15^{25}-15^{45} A. Sahakian and U. Goginava, *Partial generalized variation and multivariate Fourier series*

15^{55}-16^{15} S. Sargsyan and M. Grigoryan, *Some properties of Vilenkin system*

16^{20}-16^{40} S. Gogyan, *On some open problems in Greedy Approximation*

16^{50}-17^{10} S. Episkoposyan, *On the series with monotonic coefficients by generalized Walsh system*

17^{15}-17^{35} H. Aleksanyan, *Weighted greedy algorithm in $L_p(0;1)$ and $C(0;1)$ with respect to Franklin and Trigonometric Systems*

SECTION B – Chairman: *W. Luh*

15^{00}-15^{20} Yu. Farkov, *On the n-widths for classes of analytic functions*
15^{25}-15^{45} V. Nestoridis, *Universal Pade approximants and generic approximation of functions by their Pade approximants*
15^{55}-16^{15} R. Kovacheva, *Valued distribution of geometrically converging rational functions*
16^{20}-16^{40} H.-P. Blatt, *Growth and value distribution of rational approximants*
16^{50}-17^{10} M. Lind, *On moduli of p-continuity*
17^{15}-17^{35} R. Khachatryan and R. Avetisyan, *On derivatives of multivalent maps*

SECTION C – Chairman: *O. Reynov*

15^{00}-15^{20} Sh. Madan, *Fuglede's spectral set conjecture for two and three intervals*
15^{25}-15^{45} P. Shunmugaraj, *Strong proximinality of closed convex subsets*
15^{55}-16^{15} A. Beknazaryan and A. Petrosyan, *Bounded Projections on L_p spaces in the unit disk*
16^{20}-16^{40} V. Nersesyan, *Ergodicity for the stochastic complex Ginzburg-Landau equation*
16^{50}-17^{10} R. Srivastava, *Coxeter system of lines are sets of injectivity for twisted spherical means on C*
17^{15}-17^{35} S. Dutta, *Completely bounded L^p multipliers*

19^{00}-20^{00} *Dinner*

13 SEPTEMBER

9^{00}-10^{00} *Breakfast*

PLENARY LECTURES – Chairman: *N. Arakelian*

10^{00}-10^{50} P. Gauthier, *Instability of the Riemann hypothesis*
11^{00}-11^{50} K.I. Oskolkov, *On Vinogradov series and Riemann-Schrodinger function*
11^{50}-12^{10} *Coffee Break*
12^{10}-13^{00} W. Plesniak, *Polynomial approximation via subanalytic geometry methods*

13^{00}-14^{00} *Lunch*

SECTION A – Chairman: *W. Sickel*

15^{00}-15^{20} O. Kuznetsova, *On multiple trigonometric series*
15^{25}-15^{45} V. Vasyunin, *Bellman functions for extremal problems on BMO*
15^{55}-16^{15} M. Skopina, *Multivariate wavelet frames and frame-like systems*
16^{20}-16^{40} A. Kobelyan, *Convergence of greedy approximation a.e. and in $L^1(0;1)$ with respect to general Haar system*
16^{50}-17^{10} D. Karagulyan, *On the unbounded divergence sets of series in Franklin system*
17^{15}-17^{35} L. Galoyan, *On the generalized Harmonic-Cesaro summability of Fourier series*

SECTION B – Chairman: *A. Shadrin*

15^{00}-15^{20} Hakop Hakopian, *On classification of GC_2 sets in R^3*

15^{25}-15^{45} A. Apozyan, *On an example of GC_2 set without maximal hyperplanes*
15^{55}-16^{15} G. Ktryan, *On the number of maximal planes of GC_2 sets in R^3*
16^{20}-16^{40} L. Rafayelyan, *On extension of Chang-Yao natural lattice*
16^{50}-17^{10} D. Bilyk, *Low-discrepancy and harmonic analysis*
17^{15}-17^{35} R. Barkhudaryan, A. Arakelyan and M. Poghosyan, *Finite difference scheme for the two-phase obstacle problem*

SECTION C – Chairman: *H. Malonek*

15^{00}-15^{20} V. Peller, *Operator moduli of continuity*
15^{25}-15^{45} L. Gevorgyan, *On finite dimensional approximations of infinite dimensional operators*
15^{55}-16^{15} L. Mikayelyan, *A generalization of Banach fixed point principle*
16^{20}-16^{40} O. Reynov, *Approximation of operators in dual spaces by adjoints*
16^{50}-17^{10} Hrant Hakobyan, *Modulus estimates in slit domains and applications*
17^{15}-17^{35} H. Mikayelyan, *The zero level set for a certain weak solution, with applications to the Bellman equations*

19^{00}-23^{00} *Banquet*

14 SEPTEMBER

9^{00}-10^{00} *Breakfast*

10^{00}-18^{00} *Excursion*

19^{00}-20^{00} *Dinner*

15 SEPTEMBER

9^{00}-10^{00} *Breakfast*

PLENARY LECTURES – Chairman: *D. Drasin*

10^{00}-10^{50} N. Nikolski, *Approximation problems related to the Riemann hypothesis*
11^{00}-11^{50} V. Totik, *Metric and structural properties of harmonic measures*
11^{50}-12^{10} *Coffee Break*
12^{10}-13^{00} A. Shadrin, *Orthogonal spline-projector and related questions*

13^{00}-14^{00} *Lunch*

SECTION A – Chairman: *M. Grigoryan*

15^{00}-15^{20} H.K. Nigam, *On approximation of functions by product means*
15^{25}-15^{45} G. Oniani, *Maximal operators in variable Lebesgue spaces*
15^{55}-16^{15} A. Sargsyan and T. Grigoryan, *On the absolute convergence of series in the Faber-Schauder system*

16^{20}-16^{40} A. Poghosyan, *Fast convergence of the Fourier-Pade approximation for smooth functions*

16^{50}-17^{10} G. Gevorkyan and A. Martirosyan, *Paley function and A-integrability of series by general Franklin systems*

SECTION B – Chairman: *S. Mayboroda*

15^{00}-15^{20} T. Harutyunyan and A. Pahlevanyan, *On the solution of an inverse Sturm-Liouville problem*

15^{25}-15^{45} H. Hayrapetyan and A. Hayrapetyan, *Boundary value problems for polyanalitic functions over the half-space in weighed spaces*

15^{55}-16^{15} A. Babayan, *On the defect numbers of the boundary value problem for the properly elliptic equation*

16^{20}-16^{40} A. Vagharshakyan, *On Riemann's mapping theorem*

16^{50}-17^{10} R. Aramyan, *An inversion of generalized cosine transform in Hilbert's fourth problem*

17^{15}-17^{35} Anush Petrosyan, *Fourier expansion of differential operator by means of eigenfunctions: special case*

19^{00}-20^{00} *Dinner*

16 SEPTEMBER

9^{00}-10^{00} *Breakfast*

PLENARY LECTURES – Chairman: *V. Temlyakov*

10^{00}-10^{50} A. Talalyan, *Differentiation by random dyadic nets and uniqueness of multiple trigonometric series*

11^{00}-11^{50} S. Mayboroda, *Harmonic analysis and potential theory for higher order elliptic boundary problems*

11^{50}-12^{10} *Coffee Break*

13^{00}-14^{00} *Lunch*

15^{00}-17^{00} Local Excursion

18^{45}-19^{00} Closing Ceremony

19^{00}-20^{00} *Dinner*

17 SEPTEMBER

9^{00}-10^{00} *Breakfast*

10^{00} Departure