

International Conference Harmonic Analysis and Approximations, VI

12-18 September, 2015, Tsaghkadzor, Armenia

PROGRAMME

12 SEPTEMBER

- 18⁰⁰-19⁰⁰ **Arrival and Registration**
19⁰⁰-20³⁰ *Opening Ceremony and Welcome Reception*
20⁰⁰-22⁰⁰ **Registration**

13 SEPTEMBER

- 9⁰⁰-10⁰⁰ *Breakfast*
PLENARY LECTURES – Chairman: G. Gevorkyan
10⁰⁰-10⁴⁵ Ch. Aistleitner, *One hundred years of uniform distribution theory. Hermann Weyl's foundational paper of 1916*
10⁵⁵-11⁴⁰ T. Ullrich, *Numerical integration, Haar projection numbers and failure of unconditional convergence*
11⁴⁰-12¹⁰ *Coffee Break*

Section A – Chairman: A. Sahakian

- 12¹⁰-12³⁰ V. Krotov, *Fine properties of functions from the class W_α^p for $p > 0$*
12³⁰-12⁵⁰ P. Borodin, *Approximation by sums of shifts of one function*

Section B – Chairman: H. Hayrapetyan

- 12¹⁰-12³⁰ G. Karapetyan, *Integral representation through the differentiation operator and embedding theorems for multianisotropic spaces*
12³⁰-12⁵⁰ T. Harutyunyan, *About an approach in spectral theory*
13⁰⁰-14⁰⁰ *Lunch*

Section A – Chairman: T. Ullrich

- 15⁰⁰-15²⁰ M. Skopina, *TBA*
15²⁰-15⁴⁰ A. Kamont, *Asymptotic behaviour of Besov norms via wavelet type basic expansions*

- 15⁵⁰-16¹⁰ G. Karagulyan, *On some exponential estimates of Hilbert transform and strong convergence in measure of multiple Fourier series*
- 16¹⁰-16³⁰ H. Kempka, *Real Interpolation in variable exponent Lebesgue spaces*
- 16⁴⁰-17⁰⁰ A. Darbinyan, A. Tumanyan, *Interpolation of noethericity and index invariance on the scale of anisotropic spaces*
- 17⁰⁰-17²⁰ P. Ohrysko, *Spectral properties of measures*

Section B – Chairman: N. Arakelyan

- 15⁰⁰-15²⁰ J. Müller, *Generic boundary behaviour of Taylor series in Hardy and Bergman spaces*
- 15²⁰-15⁴⁰ A. Karapetyanyts, *Mixed norm variable exponent Bergman space on the unit disc*
- 15⁵⁰-16¹⁰ H. Hayrapetyan, V. Petrosyan, *Riemann boundary problem in weighted spaces*
- 16¹⁰-16³⁰ A. Karapetyan, *On a new family of weighted integral representations of holomorphic functions in the unit ball of C^n*
- 16⁴⁰-17⁰⁰ Y. Rouba, A. Pekarski, *Rational series and operators in the theory of approximation*
- 17⁰⁰-17²⁰ A. Mkrtchyan, *Continuability of multiple power series into sectorial domain by meromorphic interpolation of coefficients*
- 19⁰⁰-20⁰⁰ *Dinner*

14 SEPTEMBER

9⁰⁰-10⁰⁰ *Breakfast*

PLENARY LECTURES – Chairman: Ch. Aistleitner

- 10⁰⁰-10⁴⁵ V. Temlyakov, *From Thresholding Greedy Algorithm to Chebyshev Greedy Algorithm*
- 10⁵⁵-11⁴⁰ P. Wojtaszczyk, *Quasi-greedy bases in Hilbert and Banach spaces*
- 11⁴⁰-12¹⁰ *Coffee Break*

Section A – Chairman: V. Krotov

- 12¹⁰-12³⁰ A. Talalyan, *On some uniqueness problems of trigonometric series*
- 12³⁰-12⁵⁰ G. Oniani, *Rotation of Coordinate Axes and Differentiation of Integrals with respect to Translation Invariant Bases*

Section B – Chairman: A. Karapetyants

- 12¹⁰-12³⁰ S. Aleksanyan, *Optimal uniform approximation on the angle by harmonic functions*
- 12³⁰-12⁵⁰ A. Vardanyan, *Optimal uniform approximation on R by harmonic functions on R^2*

13⁰⁰-14⁰⁰ *Lunch*

Section A – Chairman: M. Skopina

15⁰⁰-15²⁰ M. Grigoryan, *On the unconditional and absolute convergence of Haar series in L^p*

15²⁰-15⁴⁰ E. Liflyand, *On theorems of F. and M. Riesz*

15⁵⁰-16¹⁰ E. Lebedeva, *On a lower bound of periodic uncertainty constant*

16¹⁰-16³⁰ A. Krivoshein, *H-symmetric MRA-based wavelet frames*

16⁴⁰-17⁰⁰ H. Melkonian, *Basis Properties of Generalised p-cosine Functions*

17⁰⁰-17²⁰ Abdullah, *Vector-valued nonuniform multiresolution analysis on positive half line*

Section B – Chairman: M. Grigoryan

15⁰⁰-15²⁰ H. Hakopian, G. Mushyan, *On multivariate segmental interpolation problem*

15²⁰-15⁴⁰ B. Langowski, *On Sobolev and potential spaces related to Jacobi expansions*

15⁵⁰-16¹⁰ V. Bayramyan, *On the usage of 2-node lines in n-poised sets*

16¹⁰-16³⁰ G. Byrenheid, *Discrete Littlewood-Paley type representations and sampling numbers in mixed order Sobolev spaces*

16⁴⁰-17⁰⁰ Bourhim A., Mashreghi J., Stepanyan A. *Nonlinear maps preserving the minimum and surjectivity moduli*

17⁰⁰-17²⁰ L. Poghosyan, *Asymptotic Estimates for quasi-periodic Interpolations*

18⁴⁵ *Participant's Group Photo*

19⁰⁰-23⁰⁰ *Banquet*

15 SEPTEMBER

9³⁰-10³⁰ *Breakfast*

PLENARY LECTURES – Chairman: P. Wojtaszczyk

10⁵⁵-11⁴⁰ G. Gevorkyan, *On uniqueness of Franklin series*

11⁴⁰-12¹⁰ *Coffee Break*

Section A – Chairman: A. Kamont

12¹⁰-12³⁰ G. Tephnadze, *On the maximal operators of Vilenkin-Nörlund means on the martingale Hardy spaces*

12³⁰-12⁵⁰ K. Keryan, *Unconditionality of Franklin system with zero mean in $H^1(\mathbb{R})$*

Section B – Chairman: P. Borodin

- 12¹⁰-12³⁰ B. Shojaei, *Character amenability of dual Banach algebras*
12³⁰-12⁵⁰ S. M. Tabatabaie, *Fourier transform on $CV_2(K)$*
13⁰⁰-14⁰⁰ *Lunch*

Section A – Chairman: A. Sahakian

- 15⁰⁰-15²⁰ M. Plotnikov, *Dyadic measures and uniqueness problems for Haar series*
15²⁰-15⁴⁰ S. Gogyan, *Weak Greedy Algorithm and the Multivariate Haar Basis*
15⁵⁰-16¹⁰ A. Sargsyan, *On the convergence of Cesaro means of Walsh series in $L^p[0, 1]$, $p > 0$*
16¹⁰-16³⁰ L. Galoyan, *On Cesaro summability of Fourier series of continuous functions*
16⁴⁰-17⁰⁰ S. Sargsyan, *On the divergence of Fourier-Walsh series of continuous function*
17⁰⁰-17²⁰ A. Kobelyan, *Some property of Fourier-Franklin series*

Section B – Chairman: V. Ohanyan

- 15⁰⁰-15²⁰ V. Ohanyan, *Recognition of convex bodies by probabilistic methods*
15²⁰-15⁴⁰ R. Aramyan, *Zonoids with equatorial characterization*
15⁵⁰-16¹⁰ K. Gasparyan, *The General Theory of Random Processes in Non-Standard Case*
16¹⁰-16³⁰ N. Aharonyan, *A relation between distributions of the distance and the random chord in a convex domain*
19⁰⁰-20⁰⁰ *Dinner*

16 SEPTEMBER

- 9⁰⁰-10⁰⁰ *Breakfast*

PLENARY LECTURES – Chairman: V. Temlyakov

- 10⁰⁰-10⁴⁵ U. Goginava, *Summability of two-dimensional Fourier series*
10⁵⁵-11⁴⁰ S. Bochkarev, *The abstract form of the Kolmogorov's theorem on divergent trigonometric series*
11⁴⁰-12¹⁰ *Coffee Break*
12¹⁰-12⁵⁰ P. Zlatoš, *Gordon's Conjectures: Pontryagin-van Kampen Duality and Fourier Transform in Hyperfinite Ambience*
13⁰⁰-14⁰⁰ *Lunch*

Section A – Chairman: M. Plotnikov

- 15⁰⁰-15²⁰ O. Kuznetsova, *On the norms of the means of spherical Fourier sums*
- 15²⁰-15⁴⁰ P. Andrianov, M. Skopina, *On approximation of continuous functions by Fourier-Haar sums and Haar polynomials*
- 15⁵⁰-16¹⁰ G. Karagulyan, M. Safaryan, *On theorems of Fatou and Littlewood*
- 16¹⁰-16³⁰ M. Grigoryan, K. Navasardyan, *Universal functions in a sense of modification with respect to Fourier coefficients*
- 16⁴⁰-17⁰⁰ K. Kazaniecki, *Elementary proof of the Meyer's Theorem of the equivalence of the sets of trigonometric polynomials*
- 17⁰⁰-17²⁰ F. A. Shah, *Wavelets Associated with Nonuniform Multiresolution Analysis on Local Fields of Positive Characteristic*

Section B – Chairman: T. Harutyunyan

- 15⁰⁰-15²⁰ V. Dumanyan, *On solvability of a Dirichlet problem with the boundary function in L_2 for the second-order elliptic equation*
- 15²⁰-15⁴⁰ T. Danka, *Christoffel functions on Jordan arcs and curves with power type weights*
- 15⁵⁰-16¹⁰ B. Nagy, *Bernstein-type inequalities on Jordan arcs*
- 16¹⁰-16³⁰ V. Totik, T. Varga, *Fast decreasing polynomials at corners*
- 16⁴⁰-17⁰⁰ R. Khachatryan, *The implicit function theorem for system of inequalities*

19⁰⁰-20⁰⁰ *Dinner*

20⁰⁰-21⁰⁰ **Concert**

17 SEPTEMBER

9⁰⁰-10⁰⁰ *Breakfast*

10⁰⁰-18⁰⁰ **Excursion**

18⁴⁵-19⁰⁰ **Closing Ceremony**

19⁰⁰-20⁰⁰ *Dinner*

18 SEPTEMBER

9⁰⁰-10⁰⁰ *Breakfast*

10⁰⁰ **Departure**