List of Participants and Lectures

N. Vakhania (N. Muskhelishvili Institute of Computational Mathematics, Georgia): Prof. Archil Kharadze – A Prominent Scientist, Teacher and Man.

G. Tkebuchava and U. Goginava (I. Javakhishvili Tbilisi State University, Georgia) Convergence of subsequences of partial sums and logarithmic means of Walsh-Fourier series.

U. Goginava (I. Javakhishvili Tbilisi State University, Georgia): Convergence of subsequences of partial sums and logarithmic means of Walsh-Fourier series.

T. Kopaliani (I. Javakhishvili Tbilisi State University, Georgia): Sobolev embedding theorems for $W^{k,p(\cdot)}(R^n)$.

Z. Melikidze (I. Javakhishvili Tbilisi State University, Georgia): On basis of multidimensional Haar type wavelet systems in the spaces $L^p_Q(d\mu)$, $1 \leq p \leq \infty$.

D. Ugulava, N. Kandelaki and T. Chantladze (N. Muskhelishvili Institute of Computational Mathematics, Georgia): Approximation of functions on locally Abelian groups.

V. Tsagareishvili (I. Javakhishvili Tbilisi State University): Properties of absolutely independent orthonormal systems.

S. Samko (Algavre University, Potrugal) and V. Kokilashvili (A. Razmadze Mathematical Institute, Georgia): Boundedness criteria in weighted $L^{p(\cdot)}$ spaces for maximal operators and potentials on Carleson curves and on SHT.

V. Kokilashvili, V. Paatashvili (A. Razmadze Mathematical Institute, Georgia) and S. Samko (Algarve University, Potrugal): Solution of the boundedness problem for the Cauchy singular operator in the variable Lebesgue space.

A. Baghdasaryan (Yerevan State University, Armenia): On certain operation of multiplication type of generalized Besov spaces for description of interpolation spaces.

O. Dragicevic (University of Lubliana, Slovenia): Martingales and sharp estimates for the Ahlfors-Beurling operator.

A. Karapetyants (Rostov State University, Russia): Compactness of Toeplitz operators with symbols in weighted Bergman space and the Bergman transform.

A.Meskhi (A. Razmadze Mathematical Institute, Georgia): Two-weight estimates for potentials with product kernels and some applications to the solvability of nonlinear wave equation.

G. Berikelashvili, O. Jokhadze and R. Koplatadze (A. Razmadze Mathematical Institute, Georgia): On the existence of positive and oscillation solutions of differential equations with delayed arguments.

G. Karapetyan (Russian-Armenian University, Armenia): The smoothness properties of regular hypoelliptic equations depending on the parameter.

G. Kharibegashvili (A. Razmadze Mathematical Institute, Georgia): Nonexistence of the global solutions of the Cauchy characteristic problem for some wave equations with power nonlinearity.

B. Midodashvili (Georgian Technical University, Georgia): Generalized Goursat problem for a spatial fourth order hyperbolic equations with dominated low terms.

A.Gachechiladze (A. Razmadze Mathematical Institute, Georgia): On one generalized Signorini problem in elasticity theory.

A. Najafov (Baku Construction University, Azerbaijan): Some properties of functions from intersections of $S_{P_\mu,Q_\mu,æ,r}$.

S. Chobanyan (N. Muskhelishvili Institute of Computational Mathematics, Georgia): An algorithm of rearrangement of summands in a normed space.

N. Vakhania and V. Kvaratskhelia (N. Muskhelishvili Institute of Computational Mathematics, Georgia): On inequalities between moments of normed measures.

A. Shangua and V. Tarieladze (N. Muskhelishvili Institute of Computational Mathematics, Georgia): A permutational version of the Banach-Saks property.

G. Pantsulaia and G. Kirtadze (Georgian Technical University, Georgia): On null sets in infinite-dimensional Banach spaces.

L. Epremidze (A. Razmadze Mathematical Institute, Georgia): On ergodic Hilbert transform.

D. Mchedlishvili (I. Gogebashvili Telavi University, Georgia): On two-weighted estimates for Fourier multipliers.

Ts. Tsanava (A. Razmadze Mathematical Institute, Georgia): On mean summability of Fourier series and Dirichlet problem on two-weighted setting.

D. Israfilov (Balikesir University, Turkey): On the Mergelyan's conjecture for Bieberbach polynomials in closed smooth domains.

B. Oktay (Balikesir University, Turkey): Approximation properties of the Bieberbach polynomials.

O. Dzagnidze (A. Razmadze Mathematical Institute, Georgia): A. criterion of differentiability and a new proof of Hartog's main theorem.

Z. Gogniashvili (I. Javakhishvili State University, Georgia): On some integral equations and boundary value problems in the case of a surface with a "conical" point.

A. Saginashvili (A. Razmadze Mathematical Institute, Georgia): On the oblique derivative problem for the Smirnov class of functions.

V. Paatashvili and V. Kokilashvili (A. Razmadze Mathematical Institute, Georgia): The Dirichlet problem for harmonic functions with boundary values from variable Lebesgue spaces.

O. Chkadua (A. Razmadze Mathematical Institute, Georgia): Solvability and asymptotics of solutions of mixed boundary value dynamic problems with crack of electroelasticity.

R. Koplatadze (A. Razmadze Mathematical Institute, Georgia): Nonlinear effect for oscillatory solutions of Emden-Fowler type differential equations.

V. Guliyev (Baku State University, Azerbaijan): On generalized multilinear fractional integrals.

D.Goguadze (N. Muskhelishvili Institute of Computational Mathematics, Georgia): Generalizations and new definition of the abstract Lebesgue-Stieltjes integral.

L. Bantsuri and G. Oniani (A. Tsereteli Kutaisi State University, Georgia): Differential properties of functions of bounded variations in Hardy sense.

Sh. Tetunashvili (Georgian Technical University, Georgia): Convergence and uniqueness problems for multiple orthogonal series.

T. Zerekidze (I. Javakhishvili Tbilisi State University, Georgia): On the equivalence of differential bases.

R. Akgun (Balikesir University, Turkey): Polynomial approximation in weighted Smirnov-Orlicz space.

N. P. Tuzkaya (Balikesir University, Turkey): On singular integrals in Lorentz space with variable exponent.

Y. E. Yildirir (Balikesir University, Turkey): Approximation in weighted Bergman spaces in infinite domains.