Session 20
APPROXIMATION THEORY AND FOURIER ANALYSIS
Organizers: E. Liflyand (Ramat-Gan, Israel), S. Tikhonov (Barcelona, Spain)

Room 421N

August 05 / 2013

14:30 -- 15:00 Geno Nikolov (University of Sofia, Bulgaria): An extension of Turan's inequality for ultraspherical polynomials

15:00 -- 15:30 Borislav Draganov (University of Sofia and Bulgarian Acad. Sci., Sofia, Bulgaria): On a type of generalized moduli of smoothness and their application

15:30 – 16:00 Sergey Tikhonov (ICREA and CRM, Spain): Weighted norm inequalities for convolution and Riesz potential

16:00 -- 16:30 Michael Ruzhansky (Imperial College, London, UK): Nikolskii inequality on compact homogeneous manifolds (with applications to Besov spaces)

16:30 – 17:00 Coffee break

17:00 -- 17:30 Ushangi Goginava (Tbilisi State University, Georgia): On the Convergence of Multiple Fourier series of Functions of Bounded Partial Generalized Variation

17:30 -- 18:00 Elijah Liflyand (Bar-Ilan University, Ramat-Gan, Israel): Fourier transform versus Hilbert transform

18:00 – 18:20 Nazerke Tleukhanova (L.N. Gumilyov Eurasian National University, Astana, Kazakhstan): Recovery opreator of periodic functions

18:20 – 18:40 Kuanysh Bekmaganbetov (Kazakhstan branch of M.V.Lomonosov Moscow State University, Astana): Order of approximation of Besov classes in the metric of anisotropic Lorentz spaces

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12:10--12:50 Laura De Carli (Florida International University, USA): Split functions, Fourier transform and multipliers

12:50--13:10 Dmitry Gorbachev (Tula University, Russia): Radial positive definite functions and best approximation in $L^{2}(\mathbb{R}^{n})$

13:00-14:30 Lunch break

14-30 -- 15-10 Leonid Slavin (University of Cincinnati, USA) : The John--Nirenberg constant of BMO^p

15:10 – 15:30 Petr Chunaev (Centre de Recerca Matem\`{a}tica, Bellaterra, Spain): On Inequalities with Alternating Signs

15:30 -- 16:00 Yurii Kolomoitsev (Institute of Applied Mathematics and Mechanics, Donetsk, Ukraine): On multiplicative sufficient conditions for Fourier multipliers

16:00 -- 16:30 Enrico Laeng (Politecnico di Milano, Italy): Refinements of the Stein-Weiss theorem on the Hilbert transform and related topics

16:30 – 17:00 Coffee break

17:00 -- 17:30 Maria Zeltser (Tallinn University, Tallinn, Estonia): Weak monotonicity in number series and Hardy inequalities

17:30 -- 17:50 Ramazan Akgun (Balikesir University and CRM): Jackson and smoothness theorems for trigonometric approximation in some Banach Function Spaces

17:50 – 18:10 Federico Piazzon (Univ. of Padova, Italy): Optimal Polynomial Admissible Meshes for $\mathscr C^{1,1}$ compacta of $\R^d$