

- 9.00 REGISTRATION  
 10.30 OPENING  
 10.45 COFFEE BREAK

Chairman: <b>Igor Ya. Novikov</b>	
11.15	<b>Charles Chui</b> (UMSL, USA) <i>Imaging and Dimensionality Reduction (60 min)</i>
12.25	<b>Amos Ron</b> (CS WISC, USA) <i>Extremely local wavelet representation in high spatial dimension (60 min)</i>

13.25 LUNCH

	Section A Chairman: <b>Vladimir Protasov</b>	Section B Chairman: <b>Willi Freeden</b>	Section C Chairman: <b>Alexander M. Olevskii</b>
15.30	<b>Elena A. Lebedeva</b> (KSU, Russia) <i>Quasispline wavelets (45 min)</i>	<b>Amir Z. Averbuch</b> (TAU, Israel) <i>An hybrid algorithm for data compression(45 min)</i>	<b>Alexander I. Rozhenko</b> (ICMMG, Russia) <i>On choosing a smoothing parameter with high-order convergent algorithm</i>
16.25	<b>Yury K. Demyanovich</b> (SPbSU, Russia) <i>Wavelets on mahifold (45 min)</i>	<b>Alexander Petukhov</b> (UGA, USA) <i><math>l^1</math> greedy algorithm for sparse solution of underdetermined linear systems(45 min)</i>	<b>Ilya A. Krishtal</b> (NIU, USA) <i>Different extensions of the Wiener's Tauberian lemma(45 min)</i>
17.10	<b>Victor G. Zakharov</b> (ICMM, Russia) <i>Generalizations of Srang-Fix conditions: connection with operator adapted wavelets</i>	<b>Vladimir V. Khryashchev and D.A. Zaramensky</b> (YSU, Russia) <i>Image quality assessment and wavelets</i>	<b>Eugeny I. Berezhnoj</b> (YarSU, Russia) <i>Estimates of modulus of continuity for function from Besov-type space</i>
17.40	<b>Yeonhyang Kim and Amos Ron</b> (CS WISC, USA) <i>Representations of almost periodic functions using wavelet frames</i>	<b>Pavel G. Severov</b> (VSU, Russia) <i>Dyadic multiwavelet transforms.</i>	<b>Boris I. Peleshenko</b> (DSAU, Ukraine) <i>On an operator-valued <math>T(1)</math> theorem for vector-valued quasi-Lipschitz spaces.</i>
18.10	<b>Mohamed Saleh Gabr</b> (Russia) <i>Новый вариант вэйвлетного разложения пространств сплайнов</i>	<b>Ruslan Isakiev</b> (IAI, Russia) <i>Non-separable wavelet filters for image processing</i>	

19.30 WELCOME PARTY

Chairman: <b>Amos Ron</b>	
09.00	<b>Michael Unser</b> (EPFL, Switzerland) Steerable wavelet bases and frames (60 min)
10.10	<b>Willi Freeden</b> (TU, Germany) Layer Potentials and Wavelets on Regular Surfaces(45 min)

10.55 COFFEE BREAK

11.20	<b>Alexander M. Olevskii</b> (TAU, Israel) Universal sampling of signals with bounded spectrum(45 min)
12.15	<b>Vladimir Protasov</b> (Russia) Wavelets and Equations of Self-Similarity(45 min)

13.00 LUNCH

	Section C (splines) Chairman: <b>Peter Massopust</b>	Section C (frames) Chairman: <b>Yuri Farkov</b>
15.00	<b>Roald M. Trigub</b> (DonNU, Ukraine) Fourier Multipliers and comparison of operators(45 min)	<b>Oleg I. Reinov</b> (SPbSU, Russia & SMS CGU, Pakistan) Approximation property, bases and frames(45 min)
15.55	<b>Yuri Volkov</b> (NSC, Russia) Cubic shape preserving spline interpolation(45 min)	<b>Shiv Kumar Kaushik</b> and Varinder Kumar (DU, India) AD-Frames satisfying Property B(45 min)

16.40 COFFEE BREAK

	Section A Chairman: <b>Bin Han</b>	Section C (splines) Chairman: <b>Peter Massopust</b>	Section C Chairman: <b>Yuri Farkov</b> (MSGPU, Russia)
17.10	<b>Emily J. King</b> and John J. Benedetto (UMD, USA) Smooth functions associated with wavelet sets on $\mathbb{R}^d$ , $d \geq 1$ , and frame bound gaps	<b>Irina P. Irodova</b> (YSU, Russia) On the connection between the continuity module with Piecewise-polynomial approximations	<b>Natalia A. Solovjova</b> (SPbGU, Russia) Tight frames of special form
17.40	<b>Maria V. Perel</b> (SpbSU, Russia) Decomposition of solution of the wave equation in terms of space-temporal wavelets.	V. F. Babenko and <b>N. V. Parfinovych</b> (DSU, Ukraine) The exact values of the best approximations of classes of periodical functions by splines	<b>Anna I. Novikova</b> (VSU, Russia) To announce
18.10	<b>Zygmunt Wronicz</b> (AGH-UST, Poland) On a construction of wavelets with compact support by means of splines		

**JUNE 17, WEDNESDAY**

Chairman: <b>Charles Chui</b>	
<b>09.00</b>	<b>Dany Leviatan</b> (TAU, Israel) <i>Approximation of Sobolev and other classes by polynomials and ridge function (45 min)</i>
<b>09.45</b>	<b>Wayne Michael Lawton</b> (NUS, Singapore) <i>Frames and the Kadison-Singer Problem(45 min)</i>

**10.30 COFFEE BREAK**

<b>11.00</b>	<b>Bin Han</b> (U of A, Canada) <i>Pairs of Dual Wavelet Frames in Various Function Spaces(45 min)</i>
<b>11.55</b>	<b>Maria A. Skopina</b> (StPSU, Russia) <i>Polyphase method for the construction of wavelet frames(45 min)</i>

**12.40 LUNCH**

	<b>Section A</b> Chairman: <b>Maria A. Skopina</b>	<b>Section B</b> Chairman: <b>Amir Z. Averbuch</b>
<b>14.30</b>	<b>Vladimir M. Shelkovich</b> (PDMI, Russia) <i>p-Adic multiresolution analyses and wavelets(45 min)</i>	<b>Maxim A. Ilyasov</b> (ITWM, Germany) <i>Reverse Time Migration using Wavelets for Data Reduction(45 min)</i>
<b>15.25</b>	<b>Sergey V. Kozyrev</b> (MIAN, Russia) <i>p-Adic wavelet bases and frames</i>	<b>Valery A. Zheludev and Amir Z. Averbuch</b> (TAU, Israel) <i>Deconvolution by matching pursuit using spline wavelet packets dictionaries</i>
<b>15.55</b>	<b>Sergey F. Lukomskiy</b> (SSU, Russia) <i>Haar wavelet bases on zero-dimensional locally compact abelian group</i>	<b>Mikhail K. Tchobanou</b> (MPEI, Russia) <i>Peculiarities of multidimensional wavelets functions and multirate systems synthesis</i>

**16.25 COFFEE BREAK**

	<b>Section A</b> Chairman: <b>M.A. Skopina</b>	<b>Section B</b> Chairman: <b>Amir Z. Averbuch</b>
<b>16.50</b>	<b>Yuri Farkov</b> (MSGPU, Russia) <i>Wavelets and frames on the Cantor dyadic group</i>	<b>Nikolay I. Oreshko, Tatyana N. Knyazeva</b> (R&E SPb ETU, Russia) <i>Wavelet Denoising of Experimental Data with Non-Stationary Noise</i>
<b>17.20</b>	<b>Evgeniya V. Mishchenko</b> (NSC, Russia) <i>On upper and lower Riesz boundaries for <math>\mathcal{B}</math>-spline bases</i>	<b>Vasily N. Malozemov, Oleg V. Prosekov</b> (SPbSU, Russia) <i>Parametric Fast Fourier Transform and wavelet expansion</i>

**19.30 CONFERENCE BANQUET**

**JUNE 19, FRIDAY**

			<b>Section C (approximation theory)</b> Chairman: <b>Roald M. Trigub</b>
10.00			<b>Vladimir V. Zhuk</b> (SPb SU, Russia) Approximation of periodic functions in the uniform metric by polynoms of Jackson-Rs type (45 min)

**10.45. COFFEE BREAK**

	<b>Section A</b> Chairman: <b>Dany Leviatan</b>	<b>Section C (harmonic analysis)</b> Chairman: <b>Ilya A. Krishtal</b>	
11.15	<b>Stephane Jaffard</b> (Univ. Paris XII, France) TBA (45 min)	<b>Sergey Konyagin</b> (Steklov Mathematical Institute, Russia) Behaviour of partial trigometric Fourier sums (45 min)	

**12.00 LUNCH**

	<b>Section A</b> Chairman: <b>A. Askari Hemmat</b>	<b>Section C (splines)</b> Chairman: <b>Yuri Volkov</b>	<b>Section C (approximation theory)</b> Chairman: <b>Vladimir V. Zhuk</b>
14.00	<b>Stanislav S. Gritsenko</b> (OSTU, Russia) Algebras with Wavelets, Reproducing Kernels, Data Functions	<b>Peter Massopust</b> (TUM, Germany) Multivariate complex b-splines, Dirichlet averages and approximation	<b>Viktor P. Zastavnyi</b> (DonNU, Ukraine) On the series arising at approximation of periodic, differentiable functions by the Poisson integrals
14.30	<b>Igor Ya. Novikov</b> (VSU, Russia) One problem connected with Riecz Lemma about Trigonometric Square Roots	<b>Anton A. Makarov</b> (StPSU, Russia) Decomposition formulas for inserted group of knots	<b>Yurii S. Kolomoitsev</b> (IAMM, Ukraine) On approximation of functions by trigonometric polynomials with incomplete spectrum in $L_p, 0 < p < 1$
15.00	<b>Svetlana A. Garkovskaya</b> (VSU, Russia) Nonseparable wavelets of Meyer type in Besov and Lizorkin-Triebel spaces	V. F. Babenko, Yu. V. Babenko, N. V. Parfinovych and <b>Dmytro S. Skorokhodov</b> (DSU, Ukraine) On the best approximation of multivariate functions by piecewise linear splines	<b>Sergej Stasyuk</b> (IMATH, Ukraine) Best $m$ -term approximations of the isotropic classes $B^r_{p, \theta}$ of periodic functions of several variables by polynomials by Haar system

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	<b>Section A</b> Chairman: <b>A. Askari Hemmat</b>	<b>Section C (splines)</b> Chairman: <b>Yuri Volkov</b>	<b>Section C (approximation theory)</b> Chairman: <b>Vladimir V. Zhuk</b>
16.00	<b>Alexey D. Yunakovsky</b> (IAP, Russia) <i>Coiflets and Boundary Value Problems</i>	<b>Valery L. Miroshnichenko</b> (Dmitrov, Russia) <i>The comparative characteristic of polynomial and spline methods of approximation of functions of one variable (45 min)</i>	<b>Olga I. Kuznetsova</b> (IAMM, Ukraine) Spherical and Polyhedral Means of Multiple Trigonometric Series

17.45 CLOSING

Sections:

A -- wavelet bases and frames, multiresolution and wavelet methods

B -- signal analysis and processing, engineering applications of wavelets

C -- related topics