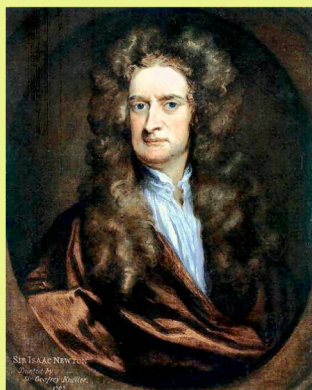




8th ISAAC Congress



Peoples' Friendship University of Russia

August 22-27, 2011, Moscow

sponsored by Russian Foundation for Basic Research

**International
Society
for
Analysis,
its
Applications
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Plenary Speakers

D. Alpay (Israel)

V.N. Chubarikov (Russia)

D.E. Evans (UK)

A.T. Fomenko (Russia)

B. Helffer (France)

Z. Kruszewski (Poland)

A. Laptev (Sweden)

K. Mochizuki (Japan)

A. Montes-Rodriguez (Spain)

B. Mordukhovich (USA)

S.P. Novikov (Russia)

L. Pepe (Italy)

V.A. Sadovnichy (Russia)

M. Sanz-Solé (Spain)

M. Sugimoto (Japan)

Sessions

I. Complex and Hypercomplex Analysis

- I.1. Complex variables and potential theory (T. Aliyev, M. Lanza de Cristoforis, S. Plaksa, P. Tamrazov)
- I.2. Differential equations: Complex and functional analytic methods for partial differential equations (H. Begehr, J.Y. Du, A. Soldatov)
- I.3. Complex-analytical methods for applied sciences (V. Mityushev, S. Rogosin)
- I.4. Value distributions: classical and new aspects, applications (G. Barsegyan, A. Sergeev)
- I.5. Clifford and quaternionic analysis (S. Bernstein, I. Sabadini, F. Sommen)

II. Real Analysis, Functional Analysis and Operator Theory

- II.1. Toeplitz operators and their applications (S. Grudsky, N. Vasilevski)
- II.2. Integral transforms and reproducing kernels (Yu. Rappoport, S. Saitoh)
- II.3. Spaces of differentiable functions of several variables and applications (V. Burenkov, M.L. Goldman, V.D. Stepanov)
- II.4. Fixed point theory and applications (E. Karapinar)
- II.5. Generalized functions and asymptotics (M. Oberguggenberger, S. Pilipovic)

III. Partial Differential Equations

- III.1. Pseudo-differential operators (J. Toft, M.W. Wong)
- III.2. Dispersive equations (M. Reissig, M. Ruzhansky)

IV. Applied Analysis

- IV.1. Inverse problems (A. Hasanov, S. Kabanikhin, Y. Kurylev, A. Yagola, M. Yamamoto)
- IV.2. Functional differential and difference equations (J. Diblik, A. Domoshnitsky, A. Zafer)
- IV.3. Medical mathematics (R. Gilbert, Yu. Rappoport, V. Yakushev)
- IV.4. Stochastic analysis (D. Applebaum)

V. Nonlinear analysis, extremal problems, approximation theory and applications

- V.1. Optimization theory, variational analysis and nonlinear analysis (A.V. Arutyunov, B.S. Mordukhovich, L.F. Pereira)
- V.2. Approximation theory and Fourier analysis (Z. Ditzian, B. Kashin, S. Tikhonov)

VI. Teaching analysis at universities and schools

- VI.1 Teaching analysis at universities (L.D. Kudryavtsev, S.A. Rozanova, N.Kh. Rozov)
- VI.2 Teaching analysis at schools (M. Klyaklya, A.A. Ruskov, P.V. Semenov)

VII. History of analysis

(S.S. Demidov, L. Pepe)

VIII. Other

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Contact and Further Information

E.I. Galakhov, Peoples' Friendship University of Russia,
6 Mikluho-Maklay St., Moscow, Russia

<http://www.isaac2011.org>; info@isaac2011.org