International Conference
"Complex Analysis and related topics"

The International Conference "Analysis and Related Topics" took place on May 30 – June 4, 2016 at the Ivan Franko National University of Lviv, Ukraine.

The Conference was organized by the Ivan Franko National University of Lviv and the Lviv Mathematical Society.

The Program Committee was consisted of: W. Bergweiler (Kiel), I.E. Chyzhykov (Lviv), A. Eremenko (West Lafayette), S.Yu. Favorov (Kharkiv), P. Filevych (Ivano-Frankivs'k), S. Ivashkovich (Lille), S. Kanas (Rzesów), B.N. Khabibullin (Ufa), I. Laine (Joensuu), I.I. Marchenko (Szczecin), W. Pleśniak (Craców), A. Rashkovskii (Stavanger), A.M. Sedletskii (Moscow), M.M. Sheremeta (Lviv), I.O. Shevchuk (Kyiv), V. Sodin (Tel Aviv), D. Shoikhet (Karmiel), O.B. Skaskiv (Lviv, chair), M.V. Zabolotskyi (Lviv), M.M. Zarichnyi (Lviv), Yu.B. Zelins'kyi (Kyiv).

The Local organizing Committee was: M. Bordulyak, I.E.Chyzhykov, A. Ya. Khrystiyanyn, A.O. Kurylyak, Ya.G. Prytula, O.B. Skaskiv, Yu. S., Trukhan, M.M. Zarichnyi. D.Yu. Zikrach.

The Head of Chair of Theory of Functions and Probability Professor Myroslav Sheremeta opened the Conference.

The program of the Conference was consisted of plenary and sectional lectures. The plenary lectures have been delivered by M. Agranovsky (Ramat-Gan, Israel) "Nodal sets of Paley-Wiener families of Laplace eigenfunctions", W. Auzinger (Vienna, Austria) "An application of complex analysis to stability issues in multistep methods for differential equations", T. Bulboaca (Cluj-Napoca, Romania) "New subordination and superordination results", I. Chyzhykov (Lviv, Ukraine) "Growth of integral means and zero distribution of analytic functions in the unit disc", S. Favorov (Kharkiv, Ukraine) "Fourier quasicrystals. Beyond Lagarias' conjecture", E. Ciechanowicz, I. Marchenko (Szczecin, Poland) "Deviations and strong asymptotic functions of entire and meromorphic functions", V. Dilnyi (Drohobych, Ukraine) "Hardy spaces in signal processing", A. Eremenko (West Lafayette, USA) "Entire functions with radially distributed zeros and 1-points", M. Elin (Karmiel, Israel) "Semigroups of composition operator", P. Filevych (Ivano-Frankivs'k, Ukraine) "Generalized orders of the growth of entire Dirichlet series", Ł. Kosiński (Kraków, Poland) "Nevanlinna-Pick problem", A. Kuryliak (Lviv, Ukraine) "Levy's phenomenon for analytic functions", V. Maslyuchenko (Chernivtsi, Ukraine) "Connections between joints and separate polynomiality", R. Näkki (Nakorn Pathom, Thailand) "Is conformal or quasiconformal distortion largest on the boundary?", W. Pleśniak (Kraków, Poland) "Regularity of the pluricomplex Green function in o-minimal structures", T. Salo, O. Skaskiv (Lviv, Ukarine) "Absolutely convergent Dirichlet series in half-plane and h-measure of exceptional sets", E. Sevost'yanov (Zhytomyr, Ukraine) "On the lightness of the limit of sequence of mappings satisfying some modular inequality", I. Spitkovsky (Williamsburg, USA) "Factorization of almost periodic matrix function: some recent results and open problems", Yu. Zelinskyi (Kyiv, Ukraine) "Generalized convexity and shadow's problem".

A. Khrystiyanyn also gave a plenary lecture "In memory of Andrii Andriyovych Kondratyuk (1941–2016)".

Two parallel sections worked simultaneously. More than 80 scientists from 11 countries

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took part in the work of the sections, in particular: F. Abdullayev (Mersin, Turkey) "On some sharp inequalities for orthogonal polynomials", A. Bandura (Ivano-Frankivs'k, Ukraine), O. Skaskiv (Lviv, Ukraine) "Estimate of maximum modulus by minimum modulus for entire functions of bounded L-index in direction", M. Bordulyak (Lviv, Ukraine) "Sets of constant l-index", S. Chaichenko (Slavyansk, Ukraine) "Best approximation of functions from Hardy spaces", E. Ciechanowicz (Szczecin, Poland) "Value distribution and growth of solutions of the equation P_{34}", J. Dziok (Rzeszów, Poland) "Classes of harmonic Janowski functions", S. Fedynyak (Lviv, Ukraine) "On Hadamard's compositions of Gelfond-Leont'ev derivatives for analytic function", Ö. Gök (Istanbul, Turkey) d-representation of a function algebra, V. Ilkiv, N. Strap (Lviv, Ukraine) "Solvability conditions of nonlocal boundary value problem for partial differential equation with nonlinear right part in a complex domain", I. Il'inskaya (Kharkiv, Ukraine) "On the probability measures on cyclic groups with a trivial equivalence class", F. Jacobzon (Karmiel, Israel) "Analytic extension of semigroups", O. Karlova, V. Mykhaylyuk, O. Sobchuk (Chernivtsi, Ukraine) "Diagonals of separately continuous mappings of n variables", Kh. Kuchmins'ka (Lviv, Ukraine) "Approximations of the multiple hypergeometric functions with branched continued fractions", Kh. Kuchmins'ka, S. Vozna, O. Sus' (Lviv, Ukraine) "Some properties of approximants for branched continued fractions of special form with negative partial numerators", M. Mostova, M. Zabolotskyj (Lviv, Ukarine) "The logarithmic derivative of entire functions that close to polynomials", J. Prajapat (Dist.-Ajmer, India) "Study of Wright function inside unit disk", J. Riihentaus (Vantaa, Finland) "A removability result for subharmonic functions and its application to holomorphic functions of several complex variables", S. Sahoo (Indore, India) "Maximal area integral problem for univalent analytic functions", V. Savchuk (Kyiv, Ukraine) "Sharp bound for the remainder of Taylor series of bounded holomorphic functions", A. Shydlich (Kyiv, Ukraine) "Direct and inverse approximation theorems of 2π-periodic functions by Taylor-Abel-Poisson means", A. Talhaoui (Oran, Algeria) "The Cauchy-Riemann equations in the Hilbert space l^2", Yu. Trukhan (Lviv, Ukraine) "Properties of solutions of the Legendre equation" A. Vishnyakova (Kharkiv, Ukraine) "Linear finite difference operators and zeros of finite differences of polynomials and entire functions", B. Vynnyts'kyi, R. Khats' (Drohobych, Ukraine) "Basis properties of systems of Bessel functions in weighted L^2-spaces", S. Zagorodnyuk(Kharkiv, Ukraine) "Korányi's class of analytic functions and generalized resolvents", P. Zapałowski (Kraków, Poland) "Proper holomorphic mappings between generalized Hartogs triangles", T. Zvozdetskyi (Chernivtsi, Ukraine) "On the singularity of operators that are left inverse to a generalized integration in space of sequences".

There were some social events for participants: Welcome party, Conference dinner, Walking tour of the city, and Excursion to Drohobych and Boryslav.

The Book of Abstracts (containing more than 100 contributions) was published at the beginning of Conference.

On June 6 and 7 Professor Alex Eremenko gave a course of lectures "Fatou theorem and its applications".

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