The International Conference
Complex Analysis and Related Topics

The International Conference Complex Analysis and Related Topics took place on September 23–28, 2013, at the Lviv Ivan Franko National University in Lviv, Ukraine.

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

Program Committee: I.E. Chyzhykov, A. Eremenko, S.Yu. Favorov, I.Yo. Guran, A.P. Grishyn, S. Ivashkovych, B.N. Khabibullin, A.A. Kondratyuk, I. Laine, K.G. Malyutin, I.I. Marchenko, W. Pleśniak, A.M. Sedletskii, M.M. Sheremeta, I.O. Shevchuk, O.B. Skaskiv, Yu.B. Zelins'kyi.

Local Organizing Committee: I.E. Chyzhykov, A.O. Kuryliak, V.M. Kyrylych, O.B. Skaskiv, O.M. Sumyk, Yu.S. Trukhan, M.M. Zarichnyi, D.Yu. Zikrach.

Professor Myroslav Sheremeta opened the Conference. The program of the Conference consisted of plenary and sectional lectures. The plenary lectures of the conference have been delivered by T. Bulboacă (Cluj-Napoca, Romania) "Integral operators and associated subordinations and superordinations", V. Dilnyi (Lviv, Ukraine) "On functions determined by the behavior of sums", R. Dwilewicz (Rolla, Missouri, USA) "Hartogs type holomorphic extensions for unbounded domains in $\mathbb{C}^n$", S. Favorov (Kharkiv, Ukraine) "One structure property of almost periodic discrete sets, its application to quasicrystals and zeros of quasi-polynomials", P. Filevych (Ivano-Frankivs'k, Ukraine) "Analytic continuation of random holomorphic functions", A. Kondratyuk (Lviv, Ukraine) "Second step to nonlinear analysis", A. Kuryliak, O. Skaskiv (Lviv, Ukraine) "Levy's phenomenon for entire functions of several variables", I. Marchenko (Szczecin, Poland) "Strong asymptotic functions of entire and meromorphic functions", R. Näkki (Jyväkylä, Finland) "How homogeneous is the Swiss cheese?", Sh. Nevo (Bar Ilan, Israel) "Differential inequalities and normality", W. Pleśniak (Kraków, Poland) "Subanalytic geometry methods in multivariate polynomial approximation", Ya. Prytula (Lviv, Ukraine) "Lviv Mathematical School before 1939", A. Rashkovskii (Stavanger, Norway) "Pluricomplex Green functions with colliding poles", J. Riihentaus (Oulu, Finland) "Domination conditions for families of quasinearly subharmonic functions", V. Savchuk, I. Meremelia (Kyiv, Ukraine) "Extremal problems for holomorphic functions", R. Salimov (Donetsk, Ukraine) "Hölder continuity for Q-mappings with respect to p-modulus", E. Sevostyanov (Donetsk, Ukraine) "Analog of Vuorinen theorem for some class of mappings with non-bounded characteristics", D. Shoikhet (Karmiel, Israel) "Dissipative holomorphic maps in Banach spaces", P. Wojcicki (Warsaw, Poland) "Weighted Bergman kernel function, admissible weights and the Ramadanov theorem".

During the conference two parallel sections had been working simultaneously. About 100 scientists from 15 countries took part in the work of the sections, in particular: M. Abate (Pisa, Italy) "Töplitz operators and Carleson measures in strongly pseudoconvex domains", T. Antonova, N. Hoyenko (Lviv, Ukraine) "Approximation of confluent hypergeometric function $\Phi_D^{(N)}$ by branched continued fraction", A. Bandura, O. Skaskiv (Ivano-Frankivsk, Ukraine) "Boundedness of L-index in the unit ball", A. Bezubik (Białystok, Poland) "Spherical expansions of zonal functions on real and complex spheres", M. Bordulyak (Lviv, Ukraine) "On l-index number of the Mittag-Leffler function", A. Carabineanu (Bucharest, Romania)

"A free-boundary conformal mapping problem arising in the two-dimensional ground water flow", S. Chaichenko (Slovjans'k, Ukraine) "Approximation by Fourier sums on the sets $L^\psi L^{p(\cdot)}$", I. Chyzhykov, Yu. Kosaniak (Lviv, Ukraine) "On non-tangential limits of fractional derivatives of Blaschke products", A. Dyachenko (Berlin, Germany) "Total nonnegativity of infinite Hurwitz matrices of entire and meromorphic functions", J. Dziok (Rzeszów, Poland) "On the extreme points of subordination families", M. Elin (Karmiel, Israel) "Inequalities for angular derivatives and boundary interpolation", S. Fedynyak (Lviv, Ukraine) "Derivative of a lacunary power series", E. Ganenkova (Petrozavodsk, Russia) "Asymptotic values of functions, defined in multiply connected domains", J. Haluska (Košice, Slovakia) "Multi polar vector spaces over semifields with zero", V. Hladun, K. Matulka (Lviv, Ukraine) "Stability to perturbations of continued fractions with complex partial denominators", F. Jacobzon (Karmiel, Israel) "Parabolic type semigroups: asymptotics and order of contact", R. Khats', B. Vynnyts'kyi (Drohobych, Ukraine) "Some approximation properties of systems of Bessel functions in weighted L^2-spaces", A. Khrystiyanyn, O. Vyshyns'kyi (Lviv, Ukraine) "On the simultaneous regular growth of logarithm of modulus and argument of holomorphic function in the punctured plane", Ł. Kosiński (Kraków, Poland) "Lempert Theorem, C-convexity and μ-sinthesis", O. Kostyuk, M. Zabolotskii (Lviv, Ukraine) "The relationship between strongly regular growth and growth in $L^p[0, 2\pi]$-metrics of entire functions", I. Kozlova, T. Malyutina (Sumy, Ukraine) "Canonical functions of γ-admissible measures in half-plane", Kh. Kuchmins'ka (Lviv, Ukraine) "Boundary versions of convergence theorems for two-dimensional continued fractions", T. Mathur (Pilani, India) "Sufficient conditions for generalized Sakaguchi type functions of order β", D. Peña Peña (Gent, Belgium) "Martinelli-Bochner formula using Clifford analysis", K. Piejko (Rzeszów, Poland) "Generalized Hadamard product and some subclasses of analytic functions", D. Radnell (Sharjah, UAE) "The jump problem for refined quasicircles", A. Sarkar (Kandi, India) "Some results on uniqueness of meromorphic functions sharing sets", N. Semochko, I. Chyzhykov (Lviv, Ukraine) "Fast growing entire solutions of linear differential equations", O. Shavala (Drohobych, Ukraine) "On interpolation properties of entire solutions of the equation $f'' + a_0 f = 0$", I. Sheparovych (Drohobych, Ukraine) "On the existence of the solution of interpolation problem in a class of entire functions defined by the counting function", O. Zadorozhna (Lviv, Ukraine) "On the convergence of the Laplace-Stieltjes integral", J. Sokół (Rzeszów, Poland) "Some differential subordinations in geometric functions theory", O. Sumyk, M. Sheremeta, Yu. Stets (Lviv, Ukraine) "Estimates of a sum of Dirichlet series", M. Tanişli (Eskisehir, Turkey), "Octonic representation of generalized field equations in electromagnetism and relativistic derivation", L. Trojnar-Spelina (Rzeszów, Poland) "On certain classes of analytic functions", A. Wisniowska-Wajnryb (Rzeszów, Poland) "On uniformly starlike and convex functions", D. Zikrach (Lviv, Ukraine) "Borel's type relation for Laplace–Stieltjes integrals with upper restriction on the growth".

There were some social events for participants: Welcome party, Conference dinner, Excursion to Museum of National Folk Architecture and Rural Life, Excursion to Lychakiv Cemetery, Walking tour of the city.

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

Information about the Conference can be found on the web-page

http://analysis13.mathlviv.org.ua

I. E. Chyzhykov, O. B. Skaskiv