INTERNATIONAL CONFERENCE DEDICATED
TO THE 110TH ANNIVERSARY OF STEFAN BANACH

The International Conference on Functional Analysis and Applications dedicated to the 110th anniversary of Stefan Banach took place on May 28 – May 31, 2002 at the Lviv National University in Lviv, Ukraine.

The Conference was organized under the auspice of Lviv Ivan Franko National University, Institute of Mathematics of Polish Academy of Sciences, Pidstryhach Institute for Applied Problems of Mechanics and Mathematics of Ukrainian NAS, Division of Mathematics of Ukrainian National Academy of Sciences, and National University "Lviv Polytechnika".

Program Committee of Conference: Yu. M. Berezanskii, Cz. Bessaga, B. Bojarski (Co-Chairman), M. L. Gorbachuk, G. S. Kit, A. A. Kondratyuk, O. V. Lopushansky, V. E. Lyantse, Yu. K. Rudavsky, M. M. Sheremeta, O. B. Skaskiv, I. V. Skrypnyk (Co-Chairman), I. O. Vakarchuk, M. M. Zarichnyi, W. Zelazko, A. V. Zagorodnyuk (secretary).

Organizing Committee of Conference: T. O. Banakh, P. I. Kalenyuk, P. P. Kostrubiy (Co-Chairman), Kh. Yo. Kuchminska, V. M. Kyrylych (Co-Chairman), Ya. V. Mykytyuk, Ya. G. Prytula (Vice Chairman), B. Y. Ptashnyk, O. G. Storozh, M. V. Zabolotskyj, R. O. Hryniv (secretary).

Rector of Lviv Ivan Franko National University Professor I. O. Vakarchuk, Co-chairman of the Program Committee Professors I. V. Skrypnik and B. Bojarski took part in the Opening Ceremony. Dean of faculty of Mechanics and Mathematics Ya. G. Prytula delivered a lecture on Stefan Banach and Lviv Mathematics school of the last century.

The program of the Conference consisted of plenary and sectional lectures. The plenary lectures has been delivered by Cz. Bessaga (Warsaw) "Formulas for deleting sets from metric spaces, related to Lipschitz implicit function theorems", B. Bojarski (Warsaw) "The Fredholm Grassmanian", V. I. Bogachev (Moscow) "Extensions and approximations of mappings on Banach spaces with measures", J. Castillo (Badajor) "On the Lindenstrauss-Pelczynski theorem", R. Cauty (Paris) "Un théorème de point fixe pour les fonctions multivoques", V. V. Fedorchuk (Moscow) "On some topological properties of probability measures spaces", M. L. Gorbachuk (Kyiv) "On spaces of infinitely differentiable vectors of a closed operator on a Banach space and tier applications", V. M. Kadets (Kharkiv) ("Banach spaces with the Daugavet property", I. Polirakis (Athent) "Cones and Geometry of Banach Spaces", I. V. Skrypnyk (Kyiv) "The mapping index of nonlinear densely defined operators", I. A. Shevchuk (Kyiv) "Shape-preserving approximation by polynomials", A. A. Shkalikov (Moscow) "Abstract operator models for problems of elasticity and hydrodynamics", W. Zelazko (Warsaw) "F-algebras: results and open problems".

There were six parallel sections: Banach Space Theory, Approximation Theory, Spectral Theory, Differential Equations, Functions Theory, Topology. More than 150 participants from 21 countries (Ukraine, Poland, Russia, Moldova, Beylorus, Azerbaijan, Turkey, Bulgaria, Romania, Italy, Spain, Sweden, USA, France, Canada, Greece, Netherland, Czech, Tunis, Norway, Alger) took part in the work of sections and poster sessions, in particular: L. Maligranda "Type, cotype and convexity properties of some Banach spaces", A. Plichko "On the functional analytic approach to orthogonal systems", V. Babenko "Multivariate inequalities of Kolmogorov type", J. Janas "Discrete Levinson type results: application to Jacobi operators", M. Ivanchov "Free boundary problem for the diffusion

equation", S. Ivashkovych "Some problems arising from the Jacobian conjecture", N. Zorii "On the theory of potential in locally compact spaces", P. Filevych "On the growth of entire functions defined by gap power series," A. Korenovskyy "Note on a theorem by Gurov-Reshetnyak," M. Choban "Mappings and Prohorov spaces", V. Maslyuchenko "Connection between separately and joint properties of several variables functions."

There were some social events for participants: Welcome Party, excursions, Conference dinner.

The Book of Abstracts (containing more than 300 contributions) was published before the beginning of Conference and is still available: orders should be sent to
banach_conf@franko.lviv.ua .

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