BANACH – 125

INTERNATIONAL CONFERENCE IN FUNCTIONAL ANALYSIS

18–23 SEPTEMBER 2017 • LVIV • UKRAINE

INTERNATIONAL CONFERENCE
IN FUNCTIONAL ANALYSIS DEDICATED TO
THE 125th ANNIVERSARY OF STEFAN BANACH

On March 30, 2017, the international mathematical community celebrated the 125th birthday of Stefan Banach, the famous Lviv mathematician, one of the founders of functional analysis. Dedicated to this anniversary, the International Conference in Functional Analysis was held in Lviv on September 18–23, 2017. The conference was organized by Ivan Franko National University of Lviv in cooperation with Institute of Mathematics NAS of Ukraine (Kyiv), Lviv Polytechnic National University and Pidstryhach Institute for Applied Problems of Mechanics and Mathematics (Lviv).

The conference was attended by about 200 mathematicians from 16 countries (Ukraine, Poland, Turkey, Georgia, Israel, Romania, Czech Republic, Finland, Great Britain, Germany, France, Austria, Sweden, Egypt, China, USA). The Opening Ceremony took place in the Assembly Hall of Ivan Franko National University of Lviv. The participants of the conference were greeted by the representatives of the institutions-organizers: professors R. E. Gladyshevsky, P. I. Kalenyuk, R. M. Kushnir, V. A. Mikhailets, and also Andrey Moskalenko, a Vice-Mayor of Lviv City Council. The chairman of the Organizing Committee of the Conference Prof. Taras Banakh thanked the Lviv City Council for the moral and financial support of the Conference.

After the Opening Ceremony, the conference continued with a presentation of Yaroslav Prytula and Taras Banakh (National University of Lviv) about Stefan Banach and Lviv mathematics. The next day there was a plenary lecture of Vaja Tarieladze from Tbilisi University (Georgia) about the visit of the delegation of Lviv mathematicians to

Georgia in 1940. In addition to the above two reports on the history of mathematics, the plenary lectures included:

- **Vladimir Kadets** (V. N. Karazin Kharkiv National University, Ukraine), *Read's solution of finite-codimensional proximinal subspace problem: properties, simplifications and extensions*;
- **Vladimir Mikhailets** (Institute of Mathematics of NAS of Ukraine, Kyiv, Ukraine), *On Hörmander spaces and interpolation*;
- **Serhii Favorov** (V. N. Karazin Kharkiv National University, Ukraine), *Large Fourier quasicrystals*;
- **Michael Megrelishvili** (Bar-Ilan University, Israel), *Banach representations of topological groups and dynamical systems*;
- **Marek Bożejko** (Institute of Mathematics, Polish Academy of Sciences, Warsaw, Poland), *Generalized Gaussian Processes with applications to Noncommutative Functional Analysis (Operator spaces)*.

After the plenary reports and coffee breaks, the work of the Conference continued with parallel semi-plenary lectures. After lunch break, section reports were delivered in 5 parallel sections: the Theory of Banach and Locally Convex Spaces, Operator Theory, Topology and Topological Algebra, Complex Analysis, Application of Functional Analysis. The first three days, the conference was hosted by Lviv National Ivan Franko University, and the last day by the Lviv Polytechnic National University.

In addition to the mathematical program of the conference, there was a extensive culture program: a walking tour through Lviv in four language groups (Ukrainian, English, Polish and Turkish), visits to the Lychakiv Cemetery (including the grave of Stefan Banach), to the Opera Theater for the opera "Zaporozhets' za Dunayem" and finally a banquet. The conference was finished with a bus excursion to Zhovkva and Krekhiv.

The detailed information on the Conference and its scientific program can be found on the web-page (`http://www.math.lviv.ua/conf-2016/`).

The Proceedings of the Conference are planned to be published as a separate issue of the **Central European Journal of Mathematics**.

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