

**Ukrainian Congress of Mathematics**  
**Kyiv, Ukraine**  
**21-23 August 2001**

**Second announcement**

The Organizing Committee of the Ukrainian Congress of Mathematics 2001 invites You to take part in the work of the Congress that will be held on August 21–23, 2001 in Kyiv.

The Congress is devoted to the 200th anniversary of the birth of M. V. Ostrohrads'ky, the prominent Ukrainian mathematician. The Congress is organized under the auspices of National Academy of Sciences of Ukraine, Ukrainian Ministry of Education and Science, Institute of Mathematics of the Ukrainian National Academy of Sciences, Institute of applied mathematics and mechanics of the Ukrainian Academy of Sciences, Kyiv Shevchenko National University, Drahomanov National Pedagogic University, Ukrainian Charitable Foundation for Furthering Development of Mathematical Science and others.

In this announcement, we give additional information about the Congress. The final information for the participants of the Ukrainian Congress of Mathematics 2001 will be available in the third announcement (May–June, 2001).

**A. Locale**

The Ukrainian Congress of Mathematics will be held in Kiev.

The official opening ceremony of the Congress will be held in the Conference Hall of the Ukrainian National Academy of Sciences. Section sessions will be held at the Institute of Mathematics of the Ukrainian National Academy of Sciences (3 Tereshchenkivs'ka

Str.), Kiev Shevchenko National University (50 Volodymyrs'ka Str.), and Drahomanov National Pedagogic University (9 Pyrohov Str.). All these places are located in the central part of the city, not far one from another.

**B. Scientific Program**

**B.1. Sections**

The work of the Congress will proceed in the following parallel sections (we call your attention to the appearance of the new section “Mathematical Theory of Control”):

1. Algebra and Theory of Numbers (Chairman A. V. Roiter).
2. Dynamical Systems (Chairman O. M. Sharkovsky).
3. Differential Equations and Nonlinear Oscillations (Chairman A. M. Samoilenko).
4. Complex Analysis and Potential Theory (Chairman P. M. Tamrazov).
5. Mathematical Physics (Co-Chairmen A. H. Nikitin and D. Ya. Petryna).
6. Teaching Methods and History of Mathematics (Co-Chairmen O. M. Bogolyubov, M. I. Shkil', and M. I. Yadrenko).
7. Nonlinear Analysis (Chairman I. V. Skrypnik).
8. Computational Mathematics and Mathematical Problems of Mechanics (Co-Chairmen V. M. Koshlyakov, I. O. Lukovs'ky, V. L. Makarov, and I. V. Serhienko).
9. Probability Theory and Mathematical Statistics (Co-Chairmen V. S. Korolyuk and

M. I. Portenko).

10. Theory of Approximations and Harmonic Analysis (Co-Chairmen M. P. Korneichuk and O. I. Stepanets').

11. Theory of Operators and Differential Operator Equations (Co-Chairmen Yu. M. Berezans'ky and M. L. Horbachuk).

12. Topology and Geometry (Co-Chairmen O. A. Borisenko and V. V. Sharko).

13. Mathematical Theory of Control (Co-Chairmen M. Z. Zhurovs'ky, V. S. Mel'nyk, and A. A. Chykrii).

In addition to plenary lectures, in the course of section sessions short 20–30 min reports of participants of the Congress selected by the Program Committee will be delivered.

## C. Satellite Conferences

Several accompanying conferences are planned within the framework of the Ukrainian Congress of Mathematics 2001. Some of them will be held immediately after the end of the Congress (August 24) in Kiev, and the other will be held at different places. Below, we present the list of the accompanying conferences and contact information.

- “Differential Equations and Nonlinear Oscillations” (Chernivtsi, August 27–29, 2001). For additional information, visit the site <http://conf.math.chdu.cv.ua>.
- The Fourth International Conference “Symmetry in Nonlinear Mathematical Physics” (Kyiv, Institute of Mathematics of the Ukrainian National Academy of Sciences, July 9–15, 2001). For additional information, visit the site [www.imath.kiev.ua/~appmath/conf.html](http://www.imath.kiev.ua/~appmath/conf.html).
- “International Conference on Functional Analysis” (Kyiv, Institute of Mathematics of the Ukrainian National Academy of Sciences, August 22–26, 2001). For additional information, visit the site [www.imath.kiev.ua/~tofa2001](http://www.imath.kiev.ua/~tofa2001).

- “Stochastic Analysis and Its Application” (L'viv, June 10–17, 2001). E-mail: [kulik@imath.kiev.ua](mailto:kulik@imath.kiev.ua), [mstat@uli2.franko.lviv.ua](mailto:mstat@uli2.franko.lviv.ua).

- “Computational Mathematics and Mathematical Problems of Mechanics” (Drohobych, August 27–29, 2001). The address of the Organizing Committee: M. V. Kutniv, Department of Applied Mathematics, “L'vivs'ka Politekhnikha” National University, 12 S. Bandera Str., 79013, L'viv, Ukraine.

- XV International Conference “Nonlinear Partial Differential Equations NPDE – 2001” (Kyiv, August 22–28, 2001). Address: A. A. Kovalevsky, Institute of Applied Mathematics and Mechanics of the Ukrainian National Academy of Sciences, 74 R. Luxemburg Str., 83114, Donetsk, Ukraine, Phone: 38 (0622) 552394. Fax: 38 (0622) 552265. E-mail: [alexkvl@iamm.ac.donetsk.ua](mailto:alexkvl@iamm.ac.donetsk.ua).

- “International Algebraic Conference” (Uzhhorod, August 27–29, 2001), For additional information, visit the site <http://www.univ.uzhgorod.ua/~iacu2001>.

- “Theory of Functions and Mathematical Physics” (Kharkiv, August, 13–17, 2001). E-mail: [AKH100@ilt.kharkov.ua](mailto:AKH100@ilt.kharkov.ua).

- “The Third International Algebraic Conference in the Ukraine” (Sumy, July, 2–8, 2001).

- International conference on complex analysis and potential theory in kiev (August, 7–12). <http://www.imath.kiev.ua/~captconf/>.

## D. Abstracts

Abstracts of reports should be submitted in the LATEX format without custom macro commands by e-mail. The e-mail address for sending abstracts is the following:

congress@imath.kiev.ua. To simplify the processing of abstracts, please, place the words "ABSTRACT (N)" in the "Subject" field of e-mail; here, N is the number of a section. In addition, please, do not send abstracts as "attachment" files. **The deadline for the submission of abstracts is June 1, 2001.**

## E. Contact Information

UKRAINIAN CONGRESS OF  
MATHEMATICS  
Institute of Mathematics  
Ukrainian National Academy of Sciences  
3 Tereshchenkivs'ka Str.  
01601 Kyiv, Ukraine  
E-mail:  
congress@imath.kiev.ua  
<http://www.imath.kiev.ua/~congress>  
Fax: 380 44 235 20 10

## F. Invitation Letter

If you need an official invitation letter for the participation in the Congress, please, inform the Organizing Committee about this. If you send an e-mail on this subject, please, put the words "INVITATION LETTER (N)" in the "Subject" field (N is the number of a section).

## G. Committees of the UCM 2001

At a session of the Organizing Committee of the Ukrainian Congress of Mathematics 2001, it was decided to form the Honorary and Program Committees.

### G.1. Honorary Committee

Yu. O. Mitropolsky (Chairman). Members of the honorary committee: M. F. Atiyah (Great Britain), F. Calogero (Italy),

P. Gabriel (Switzerland), F. Hirzebruch (Germany), O. Yu. Ishlins'ky (Russia), J. L. Lions (France), Nguyen Van Dao (Vietnam), S. M. Nikolsky (Russia), L. Nirenberg (USA), Yu. S. Osipov (Russia), V. Petryshyn (USA), B. Sendov (Bulgaria), E. Seneta (Australia).

### G.2. Program Committee

I. V. Skrypnyk (Chairman). Members of the Program Committee: Yu. M. Berezans'ky, V. H. Drinfeld, M. P. Korneichuk, V. S. Korolyuk, I. Kupka, M. M. Lavrent'ev, V. R. Madich, V. O. Marchenko, O. A. Oleinyk, O. V. Pohorelov, L. A. Pastur, V. A. Sadovnichny, O. A. Samarsky, A. M. Samoilenko (Vice-Chairman) and A. V. Skorokhod.

### G.3. Organizing Committee

A. M. Samoilenko, (Chairman). Members of the Organizing Committee: Yu. M. Berezansky, O. M. Bogolyubov, O. A. Borisenko, V. V. Buldyhin, M. L. Horbachuk, P. M. Hudivok, O. K. Zakusylo, M. Z. Zhurovsky, H. S. Kit, M. P. Korneichuk, V. S. Korolyuk, V. M. Koshlyakov, I. O. Lukovsky, V. L. Makarov, V. V. Marynets, Yu. O. Mytropolsky, V. P. Motorny, B. B. Nesterenko, A. H. Nikitin, M. O. Perestyuk, D. Ya. Petryna, R. I. Petryshyn, M. I. Portenko, Ya. H. Prytula, A. V. Roiter, M. L. Sverdau, I. V. Serhienko, I. V. Skrypnyk, O. I. Stepanets (Vice-Chairman), V. I. Sukretny (Secretary), P. M. Tamrazov, E. Ya. Khruslov, V. V. Sharko, O. M. Sharkovs'ky, M. I. Shkil, M. I. Yadrenko, and S. V. Yanchuk (Executive Secretary).

Sincerely yours,

A. M. Samoilenko

Chairman of the UCM 2001  
Organizing Committee