

Ukrainian Congress of Mathematics — UCM 2001

Kyiv, August 21–23, 2001

FIRST ANNOUNCEMENT

National Academy of Sciences of Ukraine, Ministry of Education and Science of Ukraine, National Taras Shevchenko University of Kyiv, and Ukrainian Mathematical Society organize a Congress of Mathematics that will be held in Kyiv from August 21 to August 23, 2001.

The Congress will be conducted in honour of the famous Ukrainian mathematician M. V. Ostrogradsky in connection with 200th anniversary of his birthday.

ORGANIZING COMMITTEE

Chairman A. M. Samoilenko (Head of the Institute of Mathematics, National Academy of Sciences of Ukraine)

Members: Yu. M. Berezansky, O. M. Bogolyubov, O. A. Borisenko, V. V. Buldygin, M. L. Gorbachuk, P. M. Gudivok, Ye. Ya. Khruslov, S. G. Kit, Yu. G. Kondrat'ev, M. P. Korneichuk, V. S. Korolyuk, V. M. Koshlyakov, I. O. Lukovsky, V. L. Makarov, V. V. Marynets, Yu. O. Mitropolsky, V. P. Motorny, B. B. Nesterenko, A. G. Nikitin, M. O. Perestyuk, D. Ya. Petryna, R. I. Petryshin, M. I. Portenko, Ya. G. Prytula, A. V. Roiter, M. L. Sverdau, I. V. Sergienko, I. V. Skrypnik, O. I. Stepanets (Vice-Chairman), V. I. Sukretny (Secretary), P. M. Tamrazov, V. V. Sharko, O. M. Sharkovsky, M. I. Shkil, M. I. Yadrenko, S. V. Yanchuk (Executive Secretary), O. K. Zakusilo.

SCIENTIFIC PROGRAM

It is planned to devote the first day of work of the Congress to plenary lectures. They will focus, chiefly, on the works of M.V. Ostrogradsky that most notably influenced the development of Mathematics and Mechanics. The main work of the Congress will be conducted in the following parallel sections:

1. Algebra and Number Theory (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. G. Nikitin, Yu. G. Kondrat'ev and D. Ya. Petryna)
6. Teaching Methods and History of Mathematics
(Co-chairmen O. M. Bogolyubov, M. I. Shkil, M. I. Yadrenko)

7. Nonlinear Analysis (Chairman I. V. Skrypnik)
8. Computational Mathematics and Mathematical Problems in Mechanics
(Co-chairmen V. M. Koshlyakov, I. O. Lukovsky, V. L. Makarov, I. V. Sergienko)
9. Probability Theory and Mathematical Statistics
(Co-chairmen V. S. Korolyuk and M. I. Portenko)
10. Approximation Theory (Co-chairmen M. P. Korneichuk and O. I. Stepanets)
11. Operator Theory and Operator Differential Equations (Co-chairmen Yu. M. Berezansky and M. L. Gorbachuk)
12. Topology and Geometry
(Co-chairmen O. A. Borisenko and V. V. Sharko)
13. Mathematical Control Theory (Co-chairmen M. Z. Zgurovskii, V. S. Melnik, and A. A. Chikrii)

Actively working mathematicians from Ukraine and other countries are invited to participate in the Congress in order to exchange recent advances in various branches of mathematics and to discuss open problems and perspectives for future development.

Participants can give a 30-minute talk in one of the above sections.

It is planned to have a round table discussion on the state of Mathematics Education in Ukraine (Co-chairmen: M.O. Perestyuk, M.I. Shkil, and M.I. Yadrenko.)

Moreover, there are plans to conduct satellite conferences, where scientific presentations can be communicated. Information on these conferences will be available later.

REGISTRATION

All interested in participating in the Congress are invited to register by January 1, 2001 in one of the following ways:

- completing the on-line registration form at

<http://www.imath.kiev.ua/~congress/registration>

(this method is preferred)

- sending your registration data via email

congress@imath.kiev.ua

- filling in the enclosed registration form and sending it to the Organizing Committee by regular mail or fax.

The participants are highly encouraged to inform the Organizing Committee about their intended participation in the Congress as soon as possible.

The registration fee is 70 USD and to be paid upon the arrival at the Congress.

ABSTRACTS

The participants should submit abstracts of their talks before August 1, 2001. The length of the abstract must not exceed one A4 page.

To submit the abstracts, it is advisable to use the registration form at

<http://www.imath.kiev.ua/~congress/registration>,
or send \LaTeX file with the abstract via e-mail at the address
congress@imath.kiev.ua.

A sample of the \LaTeX file is enclosed.

The Congress languages are Ukrainian, Russian, and English.

CONTACTS

Additional information about the Congress is available on the World Wide Web Page <http://www.imath.kiev.ua/~congress>.

Please send your registration forms, abstracts, and the correspondence concerning the Congress to:

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Sincerely yours,

A. M. Samoilenko

Chairman of the UCM 2001 Organizing Committee