

ACCOMMODATION

Accommodation of participants is planned in several hotels situated not far from the conference location.

The price of a single room per night is within the limits of 25 – 60 USD depending on comfort standard.

For well-timed reservation of accommodation the Organizing Committee kindly asks participants to give the final confirmation of their participation in the conference at the latest **July 25, 2010**.

TRAVEL INFORMATION

Dnipropetrovsk has regular railway and air communication with Kyiv.

Moreover, the airport of Dnipropetrovsk has regular air communication with airports of some foreign cities. The schedule of flights one can find on the web site <http://www.dniproavia.com/>.

VISAS

All foreign citizens coming to Ukraine should have a valid passport and most of them will need a visa. If you need a visa, we advise you to apply for one at a Ukrainian consular office in your country. Personal invitation letters for participants of the conference will be sent at their request. Such a letter may serve as a ground to obtain a visa.

CONTACTS

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DNIPROPETROVSK NATIONAL UNIVERSITY

Dnipropetrovsk National University is a multifunctional modern educational and scientific complex which occupies an important place among the leading institutions of higher education and science according to numerous national and international ratings. It was found in summer of 1918 due to persistent efforts of the local intelligentsia and support of the prominent Ukrainian scientists V. I. Vernadsky, D. I. Bahaliy, M.P. Vasylenko, L. V. Pysarzhevsky. In fact, it was due to their joint petition that Hetman Skoropadsky's government confirmed the decision to open a university. Nowadays it is intellectual pride of Prydniprovyia region.

DNU Student Palace is situated in the 18th century building called "Potiomkin Palace" which is located in the central park of Dnipropetrovsk named after T. G. Shevchenko. The Palace was built in 1789 based on the project of the outstanding architect I. E. Starov who drew up the first general plan of the city on the River Dnipro. The interiors of the Palace impress visitors with unity of harmony and beauty. The stair-cased landing of the second floor is sustained by twelve marvelous columns which form a unique "vivid square". In 1918, Katerynoslav University was established and Potiomkin Palace became its first study hall. Vira Kholodna, a famous actress of the silent screen, took part in the opening ceremony of the building. Since its inception in 1918, the Student Palace has become a centre of culture and students' recreational activities. When the Student Palace reunited with Dnipropetrovsk National University, it was reconstructed, which improved its facilities for leisure and recreation. In 1997 a unique gallery "Ukrainian Hetmans" was opened in the Palace. It is the only gallery in Ukraine which exhibits the portraits of Ukrainian hetmans from B. Khmelnytsky to K. Rozumovsky. This project was implemented by members of the Student Palace fine arts school as well as students and professors of the Faculty of Ukrainian and Foreign Philology and Fine Arts of Dnipropetrovsk National University.

Institute of Applied Mathematics
and Mechanics of NASU
Institute of Mathematics of NASU
Ukrainian Mathematical Society
Dnipropetrovsk National University
Steklov Mathematical Institute
of RAS



International Conference

NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS

Dnipropetrovsk, Ukraine

September 6-11, 2010



SECOND ANNOUNCEMENT

Institute of Applied Mathematics and Mechanics of National Academy of Sciences of Ukraine in cooperation with Institute of Mathematics of the National Academy of Sciences of Ukraine, Ukrainian Mathematical Society, Dnipropetrovsk National University and Steklov Mathematical Institute of the Russian Academy of Sciences organizes International Conference „Nonlinear Partial Differential Equations“ (NPDE – 2010) in Dnipropetrovsk in the period September 6–11, 2010.

This conference continues a series of traditional scientific meetings on partial differential equations which have regularly been carried out by Institute of Applied Mathematics and Mechanics since 1979.

CONFERENCE LOCATION AND SCHEDULE

The conference will be held on the premises of Student Palace of Dnipropetrovsk National University (address: Shevchenko Square, 1, Dnipropetrovsk, Ukraine).

September 6, 2010 is the arrival day. The opening of the conference will be held at 9.00 on Tuesday, 7 September.

The Scientific Program of the conference will include 35-minute plenary lectures, 20-minute talks and poster presentations.

Closing of the conference will be held at 18.00 on Friday, 10 September. The departure day is September 11, 2010.

MAIN TOPICS

1. Qualitative properties of solutions of nonlinear elliptic and parabolic equations and free boundary problems.
2. Long time dynamics of nonlinear evolution PDE.
3. Blow-up and singularities for quasilinear elliptic and parabolic equations.
4. Homogenization problems for nonlinear PDE.
5. Optimal control and optimization in PDE.

SCIENTIFIC COMMITTEE

L. Boccardo, I.D. Chueshov, A. Friedman, E.Ya. Khruslov, A.A. Kovalevsky, F. Murat, M. Pierre, S.I. Pohozaev, A.E. Shishkov, A.F. Tedeev, L. Veron, E. Zuazua.

PRELIMINARY LIST OF MAIN SPEAKERS

S.N. Antontsev, V. Barbu, M. Bertsch, M.-F. Bidaut-Veron, M. Biroli, D. Blanchard, L. Boccardo, M. Chipot, I.D. Chueshov, G. Dal Maso, V. Ferone, A. Friedman, M.S. Gelli, U. Gianazza, N.M. Ivochkina, R. Kersner, E.Ya. Khruslov, M. Lapidus, G. Leügering, G. Lieberman, V. Liskevich, M. Marcus, A.M. Micheletti, E. Mitidieri, U. Mosco, F. Nicolosi, A. Novick-Cohen, A.A. Pankov, M. Pierre, S.I. Pohozaev, A. Porretta, J.-P. Puel, E.V. Radkevich, J.-M. Rakotoson, C. Sbordone, A. Tesei, L. Veron, V. Vespri, F. Weissler, E. Zuazua.

ORGANIZING COMMITTEE

B.V. Bazaliy, V.P. Burskii, M.L. Gorbachuk, E.Ya. Khruslov, P.I. Kogut, A.A. Kovalevsky (co-chairman), V.V. Kozlov, N.V. Polyakov, O.A. Rudakova (scientific secretary), A.M. Samoilenko, A.G. Sergeev, A.E. Shishkov (co-chairman), I.I. Skrypnik, A.F. Tedeev.

CONFERENCE LANGUAGES

English, Ukrainian and Russian are official languages of the conference. At the same time, if the oral presentation of a lecture or a talk is not in English, the Organizing Committee recommends strongly to accompany such a presentation with a visual one in English.

PUBLICATIONS

Abstracts of conference lectures and communications will be published by the beginning of the Conference. **Deadline for submission of the abstracts is May 31, 2010.** The participants are kindly asked to submit the abstracts (not exceeding 1 page) by e-mail sending both TeX and DVI files prepared in the format required (see additional information).

The Organizing Committee intends publishing the Proceedings of the conference. Participants may submit their contributions to the Proceedings during the Conference. The volume of an article must not exceed 15 pages for lectures and 10 pages for other talks.

CONFERENCE FEE

The Conference fee is of 100 USD. This includes registration fee and payment for conference party. This amount should be paid in cash in Ukrainian grivnas upon arrival.