

**5th International Conference for Young Scientists
on Differential Equations and Applications
dedicated to Ya. B. Lopatynsky**

<http://icl.donnu.edu.ua>

<http://icl2016.com.ua>

**November 9-11, 2016
Kyiv, Ukraine**



Organizers:

Ministry of Education and Science of Ukraine
Vasyl Stus National University of Donetsk
Institute of Mathematics of NAS of Ukraine
Institute of Applied Mathematics and Mechanics of NAS of Ukraine

Scientific Committee:

Samoilenko A.M. (Kyiv)	Mikhaillets V.A. (Kyiv)
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Boichuk O.A. (Kyiv)	Nikitin A.G. (Kyiv)
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Kochubei A.N. (Kyiv)	Shishkov A.E. (Slov'iansk)
Kononov Yu.M. (Vinnytsya)	

Dear colleagues!

We are pleased to invite you to participate in the 5th International Conference for Young Scientists on Differential Equations and Applications dedicated to Ya. B. Lopatynsky. The Conference continues the series of biannual international conferences for young scientists which were initiated by the team of Differential Equations Department of Donetsk National University in 2006.

The Conference will be held in the Institute of Mathematics of NAS of Ukraine, Kyiv, from 9-th to 11-th of November, 2016.

The 5-th Conference will be dedicated to the 110th anniversary of the outstanding mathematician, talented pedagogue and organizer, Academician of NAS of Ukraine, Yaroslav Borisovich Lopatynsky. He was a founder of two Departments of Differential Equations, in Lviv National University (1953) and in Donetsk National University (1966). He also founded the Department of Partial Differential Equations in the Institute of Applied Mathematics and Mechanics of NAS of Ukraine. That is why previous conferences were held in Lviv (2010) and Donetsk (2006, 2008, 2012).

This year the geography of this series of conferences is expanded. The 5-th Conference will be held in Kyiv, the center of our country. This is symbolic, because the mathematical community should be united. Especially we should be united in our quest to establish fruitful creative relationships between various mathematical communities not only in our country, but around the world, in our quest to improve the connection of Ukrainian mathematical science to the world. The life and work of Ya. B. Lopatynsky were devoted to this noble objective.

We will be glad to meet you in Kyiv!

With best regards,

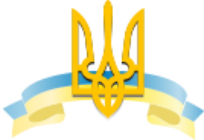



Organizing Committee

The main focus of the conference will be on following areas

- Boundary value problems for various classes of PDEs, Partial Differential Operators, Lopatynsky condition;
- Nonlinear boundary value problems;
- Calculus of Variations;
- Methods of analysis, operator methods, algebraic, geometrical and topological methods in the theory of differential equations;
- Mathematical physics;
- Ordinary differential equations and dynamical systems, optimal control;
- Applications of differential equations, numerical methods, mathematical and computer modeling.

The conference program will include plenary lectures (preliminary list of main speakers will be provided later) and sectional talks of young participants.

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Abstract and Registration

To register for the conference, please, send the **abstract** of your report and fill the **registration** form in our website: [http:// icl.donnu.edu.ua](http://icl.donnu.edu.ua) before deadline.

Deadline is October 5, 2016.

Abstracts of the conference lectures and communications will be published free of charge by the beginning of the conference.

The participants are kindly asked to submit the abstracts (not exceeding 1-2 pages) to conference e-mail: icl2016@ukr.net sending both the TeX and PDF files. The template for abstracts can be downloaded from the web-page of the conference

[http:// icl.donnu.edu.ua](http://icl.donnu.edu.ua).

Please, use only the proposed format.

We accept abstracts prepared **only in English**.

Moreover, the Organizing Committee has a possibility to publish the materials of the lectures in a mathematical journal free of charge. Details for paper submission will appear in next announcements.

Conference languages

English and *Ukrainian* are official languages of the conference. At the same time, please, pay attention that abstracts of conference lectures and communications are expected to be **only in English**.

Conference fee

The Conference fee is 20 euro. The Conference fee includes: registration fee, payment for coffee-breaks and conference party.

Organizing Committee has possibility to cover the conference fee for the participants who need financial support.

To obtain the financial support for the conference fee, please, send a request to Organizing Committee **before deadline, October 5, 2016**.

Contacts

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