

Institute of Mathematics of the National Academy of Sciences of Ukraine
Pidstryhach Institute of applied problems of mechanics and mathematics, NASU
Taras Shevchenko National University of Kyiv
Uzhhorod National University
Yuriy Fedkovych Chernivtsi National University



$$\frac{dx}{dt} = f(t, x), \quad (t, x) \in \mathcal{T}_t,$$
$$\Delta x|_{(t;x) \in \mathcal{T}_t} = \mathcal{A}_t x - x.$$

International Scientific Conference

DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS

dedicated to the memory of Academician Mykola Perestyuk

September 23–26, 2026

Yuriy Fedkovych Chernivtsi National University
Faculty of Mathematics and Informatics
28 Universytetska St., Chernivtsi

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Second Announcement

Conference Topics

- Ordinary Differential Equations and Impulsive Systems
- Infinite-Dimensional Evolution Equations
- Algebra and Function Theory
- Mathematical Modeling and Information Technologies
- Functional Differential Equations

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International Scientific Conference "Differential Equations and Their Applications", dedicated to the memory of Academician Mykola Perestyuk

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Venue

Yuriy Fedkovych Chernivtsi National University
Faculty of Mathematics and Informatics
28 Universytetska St., Chernivtsi, Ukraine



Conference languages

English & Ukrainian

Important Dates



Registration for the conference opens

May 7



Deadline for registration and submission of conference materials.

September 7



Invitations will be sent to participants

Starting August 25



Opening

September 23, 10:00 a.m.

Organizational Details

The registration fee is 500 UAH.

For invited lecturers and committee members, the registration fee is waived and the cultural program is free.

The cost of accommodation and the cultural program is paid separately.

Accommodation for participants: in city hotels and educational institutions' dormitories.

Preparation and Submission of Papers

The conference proceedings are planned to be published before the opening of the conference. Each author may submit no more than two papers, one of which may be co-authored. Each paper should not exceed 2 A4 pages. The Organizing Committee reserves the right to reject submitted papers that do not correspond to the scope of the conference, do not meet the required scientific standard, or fail to comply with the formatting requirements. For questions concerning paper formatting or requests to increase the permitted length, please contact the Chair of the Organizing Committee.

Papers should be prepared in TeX format and submitted by email to mp80@chnu.edu.ua or uploaded via the registration form.

The formatting template and style file are available for download on the official conference website mp80.chnu.edu.ua.

Following the conference, extended articles based on the presented talks and approved by the respective editorial boards may be published in the Bukovinian Mathematical Journal (Category B), published by Yuriy Fedkovych Chernivtsi National University, and in the international mathematical journal Nonlinear Oscillations (Category A), published by the Institute of Mathematics of the NASU.

SCIENTIFIC PORTRAIT



**PERESTYUK
MYKOLA OLEKSIYOVYCH**
(1946–2024)

Mykola Oleksiyovych Perestyuk was an Academician of the National Academy of Sciences of Ukraine, an Honored Worker of Science and Technology of Ukraine, a laureate of the State Prizes of Ukraine in the field of science and technology and in the field of education, and an Honorary Doctor of Yuriy Fedkovych Chernivtsi National University. He was one of the leading Ukrainian mathematicians whose scientific achievements made a significant contribution to the development of modern theory of differential equations, nonlinear mechanics, and mathematical modeling.

He was born on January 1, 1946, in the village of Ploska, Slavuta district, Khmelnytskyi region. In 1963, he entered the Faculty of Mechanics and Mathematics of Taras Shevchenko State University of Kyiv, with which he connected his entire professional life. After completing his studies, he entered postgraduate school, and from 1969 he worked at the Faculty of Mechanics and Mathematics. He rose through the ranks from an assistant to a professor, in 1988 he became the head of the Department of Integral and Differential Equations, and during 1987–2003 he served as the dean of the Faculty of Mechanics and Mathematics.

As a scientist, Mykola Oleksiyovych developed within the world-renowned Kyiv scientific school of nonlinear mechanics of Krylov–Bogolyubov–Mitropolsky under the supervision of Academician of the NAS of Ukraine Anatoly Samoilenko. His scientific research covered the theory of ordinary differential equations, nonlinear mechanics, and dynamical systems. The scientist's contribution to the creation and development of the theory of impulse differential equations, the development of stability criteria for their solutions, and methods for studying complex oscillatory processes is particularly significant.

Mykola Oleksiyovych is the author of more than 350 scientific and methodological works. Under his supervision, 6 doctoral and 25 candidate dissertations were defended.



For many years, he headed the specialized scientific council for thesis defense, was a member of the editorial boards of Ukrainian and foreign scientific publications, and actively promoted the development of mathematics education and the training of young scientists.

For outstanding scientific achievements, Mykola Oleksiyovych was honored with numerous state and academic awards. He was a laureate of two State Prizes of Ukraine in the field of science and technology, the State Prize of Ukraine in the field of education, and the M. M. Krylov and M. M. Bogolyubov awards of the National Academy of Sciences of Ukraine. In 2009, he was elected an Academician of the National Academy of Sciences of Ukraine.

An important part of Mykola Oleksiyovych's activity was his long-term cooperation with Yuriy Fedkovych Chernivtsi National University. In 2010, he was awarded the title of Honorary Doctor of the University for his significant contribution to the development of the theory of differential equations and nonlinear mechanics and for his long-term fruitful cooperation. As a member of the editorial board of the "Bukovinian Mathematical Journal," he supported the development of the professional mathematical publication and contributed to the strengthening of scientific ties between universities.

Holding this conference is a tribute to the scientific legacy of Mykola Oleksiyovych Perestyuk, his outstanding contribution to the development of mathematical science, and a continuation of the traditions of the Ukrainian mathematical school.

Based on materials:

Bezushchak, O.O.; Bihun, Ya.Y.; Kapustian, O.V.; Klevchuk, I.I.; Korol, I.I.; Martynyuk, O.V.; Petryshyn, R.I.; Stanzhytskyi, O.M.; Teplinskyi, Yu.V.; Cherevko, I.M. In loving memory of the scientist, educator, teacher – Mykola Oleksiyovych Perestyuk. Bukovinian Mathematical Journal. 2024, 12.

Conference format

The conference is planned to be held in a mixed format.

30 minutes are allocated for plenary presentations, and 15 minutes for sectional presentations.

Given the conditions of martial law, the format of participation may be changed depending on the situation, which will be announced before the start of the conference.



Excursions and cultural events

Excursions and cultural events are planned for Saturday, September 26.

Contact information



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