

**Ministry of Education and Science of Ukraine
Admiral Makarov National University of
Shipbuilding
Institute of Education Content Modernization**



*VII International Scientific and Practical
Internet Conference*

**INFORMATION TECHNOLOGIES:
MODELS, ALGORITHMS, SYSTEMS
(ITMAS – 2026)**

**November 23-24, 2026
Ukraine, Mykolaiv**

SECTIONS

- Mathematical modeling in the field of information technologies;
- Information systems and AI technologies;
- System analysis in the field of information technologies;
- Management of projects and programs in the field of information technologies;
- Information technologies in natural sciences.

AIM OF THE CONFERENCE

The conference aims to exchange scientific information, experience, and skills in the practical use of research results in mathematical modeling, computer science, systems analysis, and project and program management

in the field of information technology; to determine the prospects for the development of the information technology industry.

IMPORTANT DATES

November 1, 2026 – beginning of submission of materials for participation in the conference.

November 10, 2026 – deadline for submission of materials for participation in the conference.

November 17, 2026 – confirmation of inclusion of the publication in the collection and posting of the publication in open access on the conference website.

November 23-24, 2026 – discussion of publications by posting comments on the conference website.

November 30, 2026 – publication of the proceedings.

PUBLICATION OF THE PROCEEDINGS

The conference proceedings will be published in open access on the conference website:

<http://itconf.nuos.edu.ua/2026/en/>

ORGANIZING COMMITTEE:

HEAD: Prykhodko S.B., Doctor of Technical Sciences, Professor, Head of the Department of Software of Automated Systems, NUOS.

SCIENTIFIC SECRETARY: Makarova L.M., Ph.D., Docent, Department of Software of Automated Systems, NUOS.

MEMBERS OF THE ORGANIZING COMMITTEE: Farionova T.A., Ph.D., Prof. of NUOS, Director of the Institute of Computer Science and Project Management, NUOS;

Chernov S.K., Doctor of Technical Sciences, Professor, Head of the Department of Project Management NUOS; Ushkats M.V., Doctor of Physical and Mathematical Sciences, Professor, Head of the Department of Physics and Mathematics, NUOS;

Koval S.S., Ph.D. (Physics and Mathematics), Docent, Head of the Department of Design, NUOS;

Myhelev I.L., Ph.D., Docent, Head of the Department of Information Control Systems and Technologies, NUOS.

Gaida A.Y., Ph.D., Docent, Department of Information Control Systems and Technologies, NUOS; Haidaienko O.V., Ph.D., Docent, Department of Information Control Systems and Technologies, NUOS; Kairov V.O., Ph.D., Docent, Department of Software of Automated Systems, NUOS; Latanska L.O., Ph.D., Docent, Department of Software of Automated Systems, NUOS; Maiboroda O.V., Ph.D., Docent, Department of Physics and Mathematics, NUOS; Pukhalevych A.V., Ph.D., Docent, Department of Software of Automated Systems, NUOS; Vorona M.V., Ph.D., Department of Information Control Systems and Technologies, NUOS; Trukhov A.S., Ph.D., Department of Software of Automated Systems, NUOS; Guseva-Bozhatkina V.A., Department of Software of Automated Systems, NUOS.

**INTERNATIONAL PROGRAM COMMITTEE
(by agreement)**

Mikielewicz D., Doctor of Technical Sciences, Professor, Gdansk Polytechnic University, Vice-Rector (Poland); Matějka P., Doctor of Technical Sciences, Professor, University of Technology and Chemistry, Prague, Vice-Rector (Czech Republic); Mickeviciene R., Professor, Klaipeda University (Lithuania); Geil O., Professor, Aalborg University (Denmark).

CONFERENCE PARTNERS

Aalborg University (Denmark); Gdansk University of Technology (Poland); West Pomeranian University of Technology (Poland); Koszalin University of Technology (Poland); Prague University of Chemistry and Technology (Czech Republic); Batumi University of Navigation and Education (Georgia).

PARTICIPATION IN THE CONFERENCE

To participate in the conference, you need:

1. Prepare materials according to the requirements and upload them through the conference website: <http://itconf.nuos.edu.ua/2026/en/>

2. The uploaded materials will be published for public access on the conference website after approval by the organizing committee.

3. After approval and publication on the website, editing of papers will not be available.

Participation in the conference is free of charge.

The organizers do not disclose the reasons for refusing to participate in the conference.

REQUIREMENTS FOR PAPERS

1. Authors must comply with the requirements for publishing materials in the open press, but it is not mandatory to provide expert opinions.

2. The file name must correspond to the surname and initials of the first co-author (for example, petrenko_nr.pdf).

3. The size of the paper is from 2 to 4 pages.

4. Mandatory sections of the paper: UDC; paper title; surname, initials, academic degree, academic title of the authors; full name of the place of work of the authors; country, city of the authors; email addresses of the authors; abstract (up to 4-5 lines); keywords; the main text (consist of introduction, the purpose of the study, the main part, conclusions); list of the sources.

5. Papers must be uploaded in PDF format and meet the following requirements: paper size – A4; margins on all sides – 2 cm; Times New Roman font. UDC – 12 pt, single line spacing. PAPER TITLE – 14 pt, bold, single, indent 6 pt above the paragraph. Names of authors, name of organization, country, city, E-mail or ORCID of authors – 13 pt, single line spacing. Abstract and keywords – 13 pt, italics, single line spacing, paragraph indent 0. Main text – 12 pt, widthwise, paragraph indent 1 cm, line spacing 1.15, automatic word wrapping, forced line wrapping. Formulas and figures are placed directly in the text. The phrase "REFERENCES" - 13 pt, centered, single spacing, 6 pt indent above and below the paragraph. List of sources - 12 pt, width, paragraph indent 0, single line spacing.

6. The list of sources is presented in the order of reference below the text after the phrase "REFERENCES". The style of presentation is [APA](#). The minimum number of sources is 3.

Conference website:

<http://itconf.nuos.edu.ua/2026/en/>

Papers that do not meet the requirements will be included in the conference program but will not be published.

ORGANIZING COMMITTEE ADDRESS

Ukraine, Mykolaiv, Centralny Ave., 3, room 206.

E-mail: itconf@nuos.edu.ua

SAMPLE ABSTRACT FORMAT

UDC 004.412:519.237.5

IMPROVEMENT OF THE MATHEMATICAL MODEL...

Ryabkov S.I.¹; Prikhodko S.B., Doctor of
Technical Sciences, Prof.²

^{1,2} Admiral Makarov National University of
Shipbuilding

^{1,2} Ukraine, Mykolaiv

¹ si@nuos.edu.ua; ² sb@nuos.edu.ua

Abstract. *In the research...*

Keywords: *Android; linear model...*

Introduction. The problem of estimation of...

The research aims to increase...

The main part. The multiple regression
equation can be represented by the expression...

Conclusions. ...

Use of AI. ...

REFERENCES

[1] Pu, I.M. (2006). *Fundamental Data Compression*. Elsevier.

[2] Prykhodko, S.B. (2015). Modeling Gaussian random variables using the Johnson transform from the SU family. *Informatics and mathematical methods in modeling*, 1(5), 92-97.

[3]