

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
V.I. VERNADSKY TAURIDA NATIONAL UNIVERSITY
PHYSICAL AND MATHEMATICAL INSTITUTE OF THE NATIONAL
PEDAGOGICAL DRAGOMANOV UNIVERSITY
RESEARCH AND TRAINING CENTER FOR APPLIED INFORMATICS OF
THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE
FAR EASTERN STATE TRANSPORT UNIVERSITY (RUSSIAN
FEDERATION)
SOFTWARE AND CONVERGENCE COLLEGE, DONGSEO UNIVERSITY
(Republic of Korea)
INSTITUTE FOR ADVANCED STUDIES IN ARAD (Israel)**



**ТАВРІЙСЬКИЙ
НАЦІОНАЛЬНИЙ
УНІВЕРСИТЕТ
ІМЕНІ В. І. ВЕРНАДСЬКОГО
V. I. VERNADSKY TAURIDA
NATIONAL UNIVERSITY**



**Dear colleagues!
We invite you to participate in
the V International Scientific and Practical Conference
"Open Evolving Systems"**

which will take place on May 19-21, 2020

**V.I. Vernadsky Taurida National University
(Kyiv, Ukraine)**

PURPOSE OF THE CONFERENCE

**consideration of theoretical and practical issues of the balanced development
of open systems associated with the existence and conservation of invariants in
systems of arbitrary nature;
application of mathematical modeling methods, including for the analysis of
social, economic and cultural processes.**

Organizing Committee:

Chairman of the Conference:

Volodymyr Kazarin, Doctor of Philology, Professor, Honored Worker of Education of Ukraine, Rector of V. I. Vernadsky Taurida National University

Co-Chairs:

Volodymyr Kyselov, Doctor of Technical Sciences, Professor, Academician of the Transport Academy of Ukraine, Honored Worker of Education of Ukraine, Director of the Institute of municipal governance and urban management of the V. I. Vernadsky Taurida National University;

Mykola Pratsiovytyi, Doctor of Physical and Mathematical Sciences, Professor, Academician of the Academy of Higher Education, Academician of the Academy of Sciences of the Higher School of Ukraine, Honored Worker of Science and Technology of Ukraine. Director of the Physics and Mathematics Institute of the National Pedagogical Dragomanov University;

Sergey Kudryavtsev, Doctor of Technical Sciences, Professor, Vice-Rector for Scientific Work of the Far Eastern State Transport University;

LEE HoonJae, Professor, Chair of Dept. of Information Security, Software and Convergence College, Dongseo University;

Viktor Raspopov, Candidate of Physical and Mathematical Sciences, Associate Professor, Director of the Scientific and Educational Center of Applied Informatics of the National Academy of Sciences of Ukraine.

Chairman of the Program and Organizing Committee:

Valeriy Dubko, Doctor of Physical and Mathematical Sciences, Professor, Professor of the department Higher Mathematics, Kyiv National University of Technology and Design.

Co-Chairs of the Program and Organizing Committee:

Viktor Raspopov, Candidate of Physical and Mathematical Sciences, Associate Professor, Director of the Scientific and Educational Center of Applied Informatics of the National Academy of Sciences of Ukraine;

Members of the Program and Organizing Committee:

G. I. Batychko (Ukraine);

G.V. Vereshchagina (the USA);

Elena Tsomko (Republic of Korea);

N. M. Barna (Ukraine);

T. V. Ivanova (Ukraine);

V. B. Kyselov (Ukraine);

C. E. Korkin (Russian Federation)

E.V. Karachanskaya (Russian Federation);

M. V. Pratsiovytyi (Ukraine);

E. M. Ryanskaya (Russian Federation);

V. M. Semianovskyi (Ukraine);

O. A. Babchuk (Ukraine);

A. Tudykhata (Canada).

Scientific accompanying group:

Valeriy Dubko (*Ukraine*).

Elena Karachanskaya (Russian Federation).

Thematic areas:

1. The problems of integrated education. Dual education system. Environmental education. (*Volodymyr Kazarin, Doctor of Philology, Professor, Viktor Raspopov, Candidate of Physical and Mathematical Sciences, Associate Professor, Ukraine*).

2. Organization of socio-economic systems and local self-government. (*Vadym Semianovskiy, Candidate of Physical and Mathematical Sciences, Associate Professor, Ukraine*).
3. Transition Economics. (*Vereshchagina G.V., Professor, the USA*).
4. Invariants of public administration. (*Tamara Ivanova, Doctor of Science in Public Administration, Professor, Volodymyr Hornyk, Doctor of Science in Public Administration, Associate Professor, Ukraine*).
5. The cultural and artistic component of an open society. (*Halyna Batychko, Candidate of Science in Art Studies, Associate Professor, Ukraine*).
6. Culturology. Image-Making. (*Natalia Barna, Doctor of Philosophy, Associate Professor, Ukraine*).
7. Regions as open systems. (*Sergey Korkin, Candidate of Geographical Sciences, Associate Professor, Russian Federation*).
8. Language as an evolving system. (*Elena Ryanskaya, Doctor of Philology, Professor, Russian Federation*).
9. Mathematical problems of open systems modeling. (*Valery Dubko, Doctor of Physical and Mathematical Sciences, Professor, Ukraine, Elena Karachanskaya, Candidate of Physical and Mathematical Sciences, Associate Professor, Russian Federation*).
10. Information protection of econometric data. Arithmetic fractals. Random processes and fields. (*Mykola Pratsiovytyi, Doctor of Physical and Mathematical Sciences, Professor, Ukraine*).
11. Purposeful systems. Management theory and practice. (*Vladimir Kyselov, Doctor of Technical Sciences, Professor, Ukraine, Sergey Kudryavtsev, Doctor of Technical Sciences, Professor, Russian Federation*).
12. Convergence, smart software and smart grids. (*Elena Tsomko, Ph.D., Assistant Professor, DSU, Republic of Korea, LEE HoonJae, Ph.D., Professor, DSU, Republic of Korea*).
13. Philosophical, methodological and applied aspects of virtual reality and artificial intelligence. (*Yurii Serdyukov, Doctor of Philosophy, Professor, Russian Federation, Ruslana Mnozhynska, Candidate of Philosophy, Associate Professor, Ukraine*).
14. Related directions. (*Yuliia Dankevych, Candidate of Philological Sciences, Associate Professor, Oleksandr Guida, Ukraine*).
15. Student works. (*Oleksandr Blokhin, Candidate of Physical and Mathematical Sciences, Associate Professor, Ukraine*).

Conference languages: Ukrainian, Russian, English.

Form of participation: correspondence (remote).

Participation in the conference is free.

The program of the conference is planned to hold an online plenary session of the sections in conjunction with Far Eastern State Transport University, Nizhnevartovsk State University, V.I. Vernadsky Taurida National University and Mariupol branch of the National Academy of Fine Arts and Architecture.

We invite scientific organizations, higher education institutions of Ukraine and other countries to participate.

The Organizing Committee looks forward to applying for interdisciplinary seminars. The papers presented at these seminars will be considered as publications, together with conference materials.

The materials of the reports will be published on the website of the V.I. Vernadsky Taurida National University before the conference begins to be published in a separate collection, which will be sent to the central libraries of Ukraine and abroad.

URL: <http://www.tnu.edu.ua/naukovi-zahodi>.

An electronic collection of the conference materials, a conference program and a certificate of participation (in pdf format) will be sent to the conference participants at the e-mail address specified in the application.

The materials of the reports recommended by the organizing committee will be published in professional editions of the V.I. Vernadsky Taurida National University and publications of the co-organizers of the conference.

Conditions for participation in the conference:

To participate in the 5th International Scientific and Practical Internet Conference it is necessary to:

- 1) send to the e-mail address nmmumg@gmail.com the abstracts corresponding to the topic, the directions of the conference and the registration form (filled in for each author);
- 2) fill out the application for participation in the conference by the link (<https://forms.gle/2jzNTkCBLMpm7bP2A>).

Deadline: May 12, 2020

Create an electronic version of the theses in Word editor and save it in one of the formats *.doc, *.docx. File names must be signed according to the name of the conference participant and section (for example, 1_Ivanov_Theses; 1_Ivanov_Application).

Organizing Committee Address:

V.I. Vernadsky Taurida National University, str. John McCain, 33, (room 120), Kyiv, 01042, Ukraine.

Contact Information:

+380637377701 (viber, whatsapp, telegram)

Guida Alexander

Email: nmmumg@gmail.com

Requirements for theses design:

The organizing committee accepts the 2 – 4 pages of theses, typed in Microsoft Word as a computer file with the extension *.doc, *.docx. Times New Roman font, size 14, line spacing 1.5, paragraph 1.25, all page margins 20 mm. Pages are not numbered, word transfers are not allowed.

The following characters should be used in the text: quotation marks "...", hyphen (-), hyphen (–), apostrophe (').

The references in the text should be indicated in square brackets (for example: [1, p. 25]).

Formulas must be typed in Microsoft Equation Editor or MathType. Figures, diagrams, tables (black and white in grayscale, portrait orientation) should be named. Figures, diagrams are additionally submitted in separate files in graphic formats: .cdr, .tiff or .jpg.

Examples of illustrative material are *italicized*.

The author of the abstract is responsible for the content of the material presented.

Abstract structure:

NAME OF THESE REPORTS (in capital letters, without dots, bold, center);

the next line is the name and initials of the authors, scientific degree, academic title (italics, center);

the next line is the full name of the institution or place of work, position (italicized, centered);

(Students also indicate the position and surname of the scientific supervisor (eg Scientific supervisor - Assoc. Prof L. A. Ivanenko).

next line is the text of the report abstract is printed from the paragraph;

After the text of the abstracts one-line indentation is made and the **REFERENCES** are given.

Pages are not numbered (!).

Text of abstracts (alignment in width).

Sample Abstract:

ABSTRACT TITLE

I. I. Kovalenko, Candidate of Technical Sciences, Associate Professor

V.I. Vernadsky Taurida National University

Text, text, text [1, p. 25], text, text.

Text, text, text [2, p. 59].

REFERENCES

The list of sources used should be made in accordance with the international standard APA (American Psychological Association Style). Design examples are below, more APA style examples can be found at <http://nbuv.gov.ua/node/929>

The revised abstracts can be returned to the author for revision. The rejected original is not returned to the author.

We look forward to your participation in the conference!

We would be grateful for the sharing of information to colleagues and other stakeholders.

APPLICATION FOR PARTICIPATION
at the V International Scientific and Practical Conference
«Open Evolving Systems»

Full name _____
Degree _____
Academic status _____
Institution _____
Position _____
Supervisor (for students) _____
Title of the report _____
Thematic direction _____
E-mail _____
Phone number _____

Conference Organizing Committee