

MINISTRY OF EDUCATION AND SCIENCE OF  
UKRAINE

SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF  
ECONOMICS  
ODESSA STATE ENVIRONMENTAL UNIVERSITY  
IVAN KOZHEDUB KHARKIV UNIVERSITY OF AIR FORCE



## INVITATION

to the International scientific-  
practical conference

***“Information Security and  
Information Technologies”***

**September 13–19, 2021**

**Ukraine, Kharkiv – Odesa**

### **International scientific-practical conference “INFORMATIONAL SECURITY AND INFORMATION TECHNOLOGIES”**

On September 13-19, 2021, the Simon Kuznets Kharkiv National University of Economics will host the International Scientific and Practical Conference “Information Security and Information Technologies” within the framework of the “Digital Reality” Forum, dedicated to topical areas of information technologies development in Ukraine and the world.

Scientists, lecturers, graduate students, students, employees of scientific institutions and industrial enterprises are invited to participate in the conference.

#### **The purpose of the conference**

Exchange of new ideas, obtained theoretical and practical results of scientific research in the field of information security and computer technology. Discussion of the current state of information security in Ukraine and in the world, as well as ways to improve it. Discussion of promising areas of information technology development. Integrate efforts to implement research results, establish creative contacts and expand scientific links.

#### **CONFERENCE SESSIONS AND ACTIVITIES**

##### ***Section 1 – Information security of the state, society and the individual:***

- Information security of the state.
- Information and psychological security.
- Information security in computer systems and networks.
- Information security in cloud storage.
- Cryptographic means of information protection.
- Steganographic means of information protection.
- Technical means of information protection.
- Integrated information security systems.
- Personal data protection.
- Information wars.
- Cyberterrorism and cybersecurity.
- Information security audit.
- Management in information security.

##### ***Section 2 – Programming, information and communication technologies:***

- System programming.
- Network information technologies.
- Parallel, distributed and cloud computing.
- Modeling of complex systems.
- Game programs and computer graphics.
- Paradigms, languages and programming technologies.
- Algorithms and calculation methods.

- Software engineering.
- Programming for mobile platforms.
- Programming of embedded systems.
- Computer electronics and circuitry.
- Big data in information technology.
- Augmented reality applications.
- Management in the IT.
- Expert systems.
- Models of knowledge representation in expert systems.
- Artificial neural networks.
- Intelligent agents and multi-agent systems.
- Genetic algorithms and genetic programming.
- Artificial immune systems.
- Fuzzy logic.
- Decision support systems.
- Information support of technological processes.
- Machine learning.

##### ***Section 3 – Information technologies in economics, medicine and education:***

- Information technologies in economics.
- Economic security.
- Information technologies in medicine.
- Information technologies in education.

#### **Working languages of the conference**

Ukrainian, English, Russian.

#### **Organizational committee**

##### **Chairman:**

Volodymyr Ponomarenko, doctor of economics, professor, rector of S.Kuznets KhNUE.

##### **Deputy Heads:**

Serhii Yevseiev, doctor of technical sciences, professor, head of CSIT dept. of S.Kuznets KhNUE.

Maksym Pavlenko, doctor of technical sciences, professor, head of MSS ACS dept. of I. Kozhedub KhUAF.

Nadiia Kazakova, doctor of technical sciences, professor, head of IT dept. of OSEU.

##### **Program Committee:**

Pawel Maslanka, prof. (Lodz, Lodz University, Poland)

Piotr Milczarski, dr.t.sc. (Lodz, Lodz University, Poland)

Mikolaj Karpinski, dr.t.sc., prof. (Bielsko-Biala University, Bielsko-Biala, Poland).

Nadiia Kazakova, doctor of technical sciences, professor, head of IT dept. of OSEU.

Lala Bekirova, dr.t.sc., prof. (Baku, Azerbaijan).

Ragim Mamedov, dr.t.sc., prof., (Baku, Azerbaijan).

Iryna Marakova, dr.t.sc., prof., (France).

Oleksandr Korchenko, dr.t.sc., prof. (NAU, Kyiv).

Anatolii Biletskyi, dr.t.sc., prof. (NAU, Kyiv).

Volodymyr Khoroshko, dr.t.sc., prof. (NAU, Kyiv).  
 Serhii Hnatiuk, dr.t.sc., as.prof. (NAU, Kyiv).  
 Volodymyr Rudnytskyi, dr.t.sc., prof. (ChSTU, Cherkasy).  
 Oleksii Borysenko, dr.t.sc., prof. (SDU, Sumy).  
 Valerii Dudykevych, dr.t.sc., prof. (LPNU, Lviv).  
 Serhii Ostapov, dr.ph.mat.sc., prof. (ChNU, Chernivtsi).  
 Serhii Toliupa, dr.t.sc., prof. (T. Shevchenko KNU, Kyiv).  
 Mykhailo Shelest, dr.t.sc., prof. (ChPNU, Chernihiv).  
 Oleksii Smirnov, dr.t.sc., prof. (CUNTU, Kropyvnytskyi).  
 Nataliia Lukova-Chuiko, dr.t.sc., prof. (T. Shevchenko KNU, Kyiv).  
 Oleh Barabash, dr.t.sc., prof. (NTU KPI, Kyiv).  
 Oleksandr Laptyev, dr.t.sc., s.res. (DUT, Kyiv).  
 Vitalii Savchenko., dr.t.sc., prof. (DUT, Kyiv).  
 Oleksandr Tymochko, dr.t.sc., prof. (KhUAF, Kharkiv).

**Organizational committee:**  
 Volodymyr Aleksiiev, dr.t.sc., prof. (S.Kuznets KhNUE, Kharkiv).  
 Oleksandr Milov, dr.t.sc., prof. (S.Kuznets KhNUE, Kharkiv).  
 Andrii Tkachov, PhD, as.prof. (S.Kuznets KhNUE, Kharkiv).  
 Alla Havrylova, s.lect. (S.Kuznets KhNUE, Kharkiv).  
 Volodymyr Larin, PhD, as.prof. (KhUAF, Kharkiv).

### Important dates

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|---|-----------------|
| 1. Registration/submission of applications for participation      | till 30.06.2021 |
| 2. Submission of materials to the conference                      | till 15.07.2021 |
| 3. Reviewing materials  | till 30.07.2021 |
| 4. Submission of corrected materials                              | till 10.08.2021 |
| 5. Payment of registration fees and confirmation of participation | till 20.08.2021 |

### To participate in the conference it is necessary

• Until **June 30, 2021** submit an application for participation (at the link on the forum website <http://drforum.science>), the text of the report and after a positive review a copy of the payment receipt (until **August 10, 2021**).

### During the conference will be

- holding thematic seminars and round tables;
- meetings with leading IT companies and representatives of the IT industry,
- workshops on scientific and practical issues in the stated areas;
- cultural and entertainment events, excursions to the picturesque places of Odesa.

### After the conference, according to the decision of the program committee is planned to

- placement of English-language articles recommended by the scientific committee of the forum on the CEUR platform, which will be indexed in the Scopus database;
- the best works will be recommended for publication in professional publications of Ukraine ("Information Processing Systems", "Information Security", "Information Protection") and the OECP ("International Journal of 3D Printing Technologies and Digital Industry");
- publication of a collective monograph in English with extended materials of the article in a foreign edition, with the assignment of ISBN and DOI.

### The possibility of reports in remote format is provided.

Submission of materials and registration of participants for the conference are carried out by following the links on the site <http://drforum.science>.

File names must contain the name of the first author. Upon receipt of the materials, their verification of compliance with the requirements of publication, review and filling out the registration form, participants will be sent a letter confirming participation in the conference.

### Publication of conference materials

The main information resource and conference materials: <http://drforum.science>. Additionally, support for the conference is provided on the website of the Department of Cybersecurity and Information Technology: <http://www.kafcb.it.hneu.edu.ua/>.

### Requirements for reports abstracts

When preparing reports, it is necessary to use a template, which is posted at the link: [http://drforum.science/wp-content/uploads/2021/06/DRForum2021\\_Templates.zip](http://drforum.science/wp-content/uploads/2021/06/DRForum2021_Templates.zip)

**Literature** is designed according to IEEE Style.

If the authors submit materials not in English, in order to index the materials in scientometric databases it is necessary to duplicate the following information: the title of the article, data about the authors, data about the institution in English.

You must also submit an extended "Abstract" of up to 1600 characters and "Keywords" in English.

The volume of the article must be at least 2 full pages.

For posting articles in CEUR – a volume should be at least 5 full pages in English. The last page must be at least 80% full.

Materials that have not been published before are accepted for participation in the conference.

Materials will be reviewed.

### Organizational fee for participants from Ukraine

For each report of the participant after a positive review it is necessary to transfer the registration fee in the amount of UAH 350 (in case of face-to-face participation), or UAH 200 (in case of remote participation).

The amount of the contribution for foreign participants is 20 euros.

Accommodation is paid separately upon arrival at the conference.

### Participant registration form

The registration form is located and should be filled in on the conference website forum <http://drforum.science>.

All form fields are required.

### Conference venue

Odesa State Environmental University, Lvivska st., 15, Odesa, Ukraine, 65016.

### Contact person

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