**MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION**

Federal State Autonomous Educational Institution of Higher Education "St. Petersburg State University of Aerospace Instrumentation" (GUAP)

Institute of Information Technology and Programming (Institute 4)

Dear Colleagues!

On October 17, 2024, **St. Petersburg State University of Aerospace Instrumentation" (SUAI)** is holding the International Conference "Applied Artificial Intelligence: Prospects and Risks".

The co-organizers of the Conference are: Ministry of Science and Higher Education of the Russian Federation, Committee for Science and Higher Education of St. Petersburg, JSC "Electronic Company Elkus", scientific journal "Information and Control Systems".

The Conference is open to scientists, researchers, teachers, postgraduates and students of higher educational institutions, research institutes, production enterprises of the Russian Federation, scientific institutions and higher educational institutions of foreign countries.

The format of the Conference is mixed: face-to-face and remote.

Forms of participation: full-time with and without publication of materials, extramural with publication of materials.

The work of the conference will be carried out in the following directions:

***Section 1: Artificial Intelligence Technologies in Aerospace Instrumentation and Engineering.***

Engineering design processes, project lifecycle management, design automation, generative design, engineering simulation, structural optimization, autonomous control, integration of aerospace instrumentation with artificial intelligence.

***Section 2. Artificial Intelligence Technologies in Education.***

Electronic resources and systems in education and learning, teaching and learning support, personalized and adaptive learning, inclusive education technologies, content generation and analysis, data analytics in education and learning management systems, virtual laboratories and ecosystems, problems of professional and research competencies in digital learning environment related to machine learning, big data, intellectual technologies.

***Section 3. Development of intelligent interfaces.***

Cognitive services, speech recognition and voice assistants, dashboards, intelligent characters in digital realities.

***Section 4. Applied intellectual and information systems.***

Expert systems, smart systems, multi-agent systems, swarm intelligence, big data, cloud computing, internet of things.

***Section 5. Artificial Intelligence in Information Security.***

Security threats, risk analytics, blockchain, artificial intelligence defense, resource management.

We invite all interested parties to participate in the Conference.

According to the results of the Conference, an electronic collection of conference proceedings indexed in RSCI is formed and published.

The application and the subject of the report should be sent until July 31, 2024 to the address of the organizing committee **e-mail:** [**sns4@guap.ru**](mailto:sns4@guap.ru) with the indication "CONFERENCE\_II" in the subject line. The application form is given in Annex 1 of the information letter.

Materials of the report and a scan of the expert opinion are accepted until September 07, 2024. Requirements for the design of the report materials are given in Annex 2 of the information letter.

Materials corresponding to the subject of the Conference, not more than five pages in length, made both individually and by a team of authors consisting of not more than 3 persons, are accepted for participation in the Conference.

The file with the article should be named after the author's surname, for example, IvanovIP.doc.

The Organizing Committee has the right to reject the application in case of non-compliance with the requirements to the design, violation of the deadlines for submission of materials, non-compliance of materials with the subject of the Conference, containing obvious signs of illegal borrowing. The Organizing Committee does not enter into correspondence with the authors in case of decision to refuse publication.

Information support of the Conference is provided on the official website [https://new.guap.ru/i04.](https://new.guap.ru/i04)

The participants of the conference bear their own expenses related to travel, accommodation and meals.

The conference will be held at: (St. Petersburg, 67 Bolshaya Morskaya St., lit. A, regional space of collective work - "Boiling Point - St. Petersburg. GUAP" (entrance from Truda St., 8).

Registration of conference participants: October 17 at 10.00-12.20.

Start time: 12:20pm.

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| --- | --- |
|  | Annex No. 1 |

**Application form for participation in the Conference**

|  |  |  |
| --- | --- | --- |
| No. n/a | Participant information | |
| 1. | Surname, first name, patronymic |  |
| 2. | Academic degree |  |
| 3. | Academic title |  |
| 4. | Place of work |  |
| 5. | Position |  |
| 6. | Phone (with area code or mobile) |  |
| 7. | E-mail |  |
| 8. | Address |  |
| 9. | Subject of the report |  |
| 10 | Section number |  |
| 11. | Form of participation in the conference (face-to-face presentation, online connection with presentation, online connection with publication of the article) |  |
| 11. | Consent to processing of personal data |  |

Annex No. 2

**Sample article layout**

* 1. In each article, the pages should be numbered.
  2. To prepare the article, Microsoft Word text editor and Times New Roman font (font size 12 pt, line spacing one and a half, red line indentation 1 cm, text alignment by width) should be used.
  3. The margins are 2 centimeters everywhere.
  4. Formulas must be typed only in MathType or Microsoft Equation (Insert → Object → Object (select Equation):
* use only the factory settings for dialing (do not increase/decrease the font, do not change the headset);
* punctuation marks at the end (. , ;) must be inside the formula;
* formulas shall be inserted into the text without outlining, etc., the formula number (if any) shall not be typed in the formula editor;
* the formula number is indented by tabulation in the text;
* simple formulas and single characters and symbols are typed in Word, e.g.: *rd*2 =S-2 {<µ>};
* symbols such as µ, λ, ≤,  and others are selected in the Insert panel, then Symbol.

5. Sample of the article header design:

UDC 000

**I. P. Ivanov**

student of the Department of Management in Technical Systems

**А. С. Petrov** - Candidate of Technical Sciences, Associate Professor - Scientific Supervisor

*(titles, degrees, don't abbreviate)*

**About the problem statement of simulation modeling of information protection systems functioning**

1. No period is placed at the end of the title of the article, capital letters in the title are used when necessary (for example, for abbreviations).
2. Symbols and abbreviations should be disclosed the first time they appear in the text.
3. Tables in the text should be made in Microsoft Word editor: "Insert → Table" (not as a figure).

11. Figures and inscriptions on them (if any) should be clear and with readable text.

12. The bibliographic list is compiled according to the order of references in the text (in the order of mentioning).

13.Simplified design of the bibliographic list (foreign-language sources are described by analogy):

**(book)**

1. Zub A. T. Management of organizational crises. Moscow: Yurait, 2003. 237 с.

**(Journal article)**

1. Marinko G. I. Knowledge Management // Economics and Entrepreneurship. 2015. № 3. С. 15-17.

**(Internet article)**

1. Petrov A. V. Economics and Law. URL: https:[//www.ronl.ru/stati/gosudarstvo-](http://www.ronl.ru/stati/gosudarstvo-) i-pravo/722842 (date of reference: xx.xx.xxx).

Materials of the report are submitted to the Organizing Committee by e-mail in due time.

Each submitted report must contain the name, surname and patronymic (in full), position and place of work or study, academic degrees and titles, honorary titles, as well as e-mail address. For student papers it is obligatory to indicate the supervisor in the same form.

The title and abstract of the paper, keywords, information about the authors should be presented in Russian and English.

The originality of the text should be at least 80% (excluding self-citations). The allowed volume of self-citation is not more than 20%.

Report materials that do not meet the requirements are rejected or sent to the authors for revision. The Organizing Committee does not enter into correspondence with the authors of rejected materials.