Proceedings of the NESinMIS – 2021 (New Educational Strategies in the Modern Information Space – 2021^{*}

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Abstract

The article presents a critical review and record of the conference "New Educational Strategies in Modern Information Space - 2021", held on April 7, 2021 in the Herzen State Pedagogical University of Russia, Saint Petersburg. The main topic of the conference, digital educational environment included the following thematic sections:Digital educational practices, Digital educational environment; Training of the digital industry.

Keywords: *digital educational environment, modern information space, educational strategies, computer science*

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1 Introduction

On April 7, 2021, the Institute of Computer Science and Technological Education of the Herzen State Pedagogical University of Russia held the annual International Scientific Conference "New Educational Strategies in the Modern Information Space". It was organized for the 16th time [NESinMIS, 2012, NESinMIS, 2018, NESinMIS in Rus., 2019, NESinMIS –2019, 2019, NESinMIS –2020, 2020, NESinMIS –2020 in Rus, 2020], [NESinMIS–2021 in Rus., 2021].

Conference participants were both Russian and foreign researchers. The geography was diverse: Poland (The University of Silesia in Katowice), The Netherlands (The University of Twente), Italy (University of Milan), Slovakia (The Constantine the Philosopher University in Nitra), China (Nanjing Normal University), USA (University of Illinois, Springfield, Illinois), Pridnestrovian Moldavian Republic (Transnistrian State University named after T.G. Shevchenko).

There was represented a variety of geography of Russian cities. There were researchers from Russian educational institutions: Perm (Perm National Research Polytechnic University), Arkhangelsk (Northern (Arctic) Federal University named after M.V. Lomonosov), Russky Island Vladivostok (Far Eastern Federal University).

The conference was actively attended by educational institutions of St. Petersburg. Researchers from the St. Petersburg State University, The Herzen State University of Russia, Saint Petersburg Electrotechnical University "LETI", the Saint Petersburg State Forest Technical University, the St. Petersburg State University of Film and Television and some educational institutions of St. Petersburg.

The Conference informational support was organized by NESinMIS-2021 site.

2 Topics of Interest

The conference topics concerned

- Digital educational environment: General education and vocational school
- Digital technologies for modern industry
- Digital educational practices

The analysis of the results of network discussions showed that the conference participants showed the greatest interest in the work of the section "Digital educational practices".

3 The Committee members of "New Educational Strategies in Modern Information Space - 2021"

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Raffaella, Folgieri, Assistant-professor, Department of Philosophy, Faculty of Humanities, University of Milan, Milan, Italy

4 Conference Facts

The high research level was proved by the participants' academic level and their research standing: 20% had the status of Full Doctor and 31% PhD in Computer Science, Psychology, Pedagogic, Applied Math, Technology and Engineering; 49% - Postgraduates and students. More than half of the participants (53%) were young scientists under 39 whose interests apportioned the conference topics.

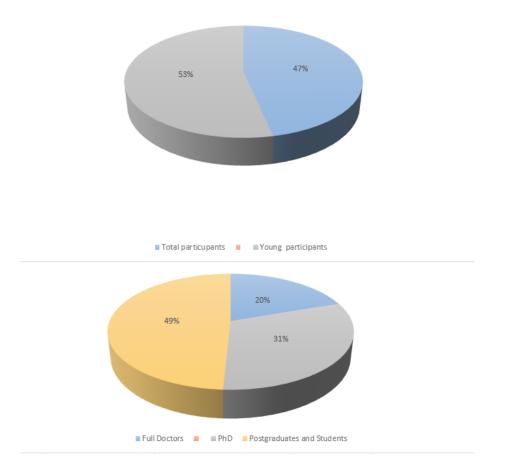


Figure 1: Some NESinMIS-2021 Facts

5 Overview of Accepted Papers

The total number of submitted reports was 47. Despite the Covid-19 pandemic, scientific discussion was held with the remote participation of Russian and foreign colleagues via video. From March 9 to April 7, 2021, Internet-forum was organized as a virtual scientific discussion. So temporary difficulties did not prevent the conference organizing committee from recommending the best 13 scientific papers in English for publication with CEUR-WS platform. Another 37 papers were published in Russian in Herzen University Proceedings of NESin MIS[NESinMIS-2021 in Rus., 2021].

The reports, presented at the Conference, allowed drawing a broad picture of modern digital education development. Such aspects as an individual educational route, adaptive learning, electronic communication, web-resources design, educational data, and text mining, DDL and content-language integrated learning, formation of teachers' digital competencies through algoritmization and data-mining drill were discussed. In the vocational training context, the most topical questions of e-learning, developing professional skills, and students' autonomy were debated. Besides, risks and issues of the electronic

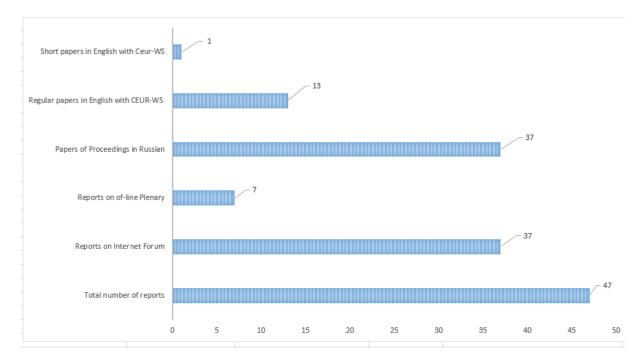


Figure 2: Information on accepted papers and reports

environment influence on a person were considered - computer anxiety, and upbringing in the electronic informational and educational environment.

Acknowledgments

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