

# New Educational Strategies in the Modern Information Space: Preface to NESinMIS – 2020\*

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## Abstract

The article presents a critical review and record of the conference “New Educational Strategies in Modern Information Space - 2020”, held on March 25, 2020 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 environment; General education and vocational school; Digital technologies for modern industry; Information systems and technologies.

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

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# 1 Introduction

On March 25, 2020, 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 15th time [[NESinMIS, 2012](#), [NESinMIS, 2018](#), [NESinMIS, 2019](#), [NESinMIS –2019, 2019](#)].

Conference participants were both Russian and foreign researchers. The geography of Russian cities that took part was diverse: researchers from Germany(University of Potsdam), Pridnestrovian Moldavian Republic (Transnistrian State University named after T.G. Shevchenko) and Belarus(Grodno’s secondary school No 23). There was represented a variety of geography of Russian cities and abroad. There were researchers from Novosibirsk(Novosibirsk State University of Economy and Management), Stavropol(North-Caucasus Federal University) Perm (Perm National Research Polytechnic University), Krasnojarsk(Siberian Federal University), Krasnodar(Kuban State University), Kursk(South-West State University), Volgograd(Volgograd State Socio-Pedagogical University), Arkhangelsk(Northern (Arctic) Federal University named after M.V. Lomonosov) and other cities; teachers from secondary schools and colleges of St. Petersburg, Kostroma, Tumen, Grodno(Belarus).

The conference was actively attended by educational institutions of St. Petersburg. Researchers from the St. Petersburg State University, the Library of the Russian Academy of Sciences of St. Petersburg, the St. Petersburg State Forestry University named after S.M. Kirov, the St. Petersburg State University of Film and Television, the St. Petersburg College of Railway Transport and some educational institutions of St. Petersburg.

The Conference informational support was organized by site [NESinMIS-2020](#) 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 - 2020”

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## 4 Conference Facts

The high research level was proved by the participants' academic level and their research standing: 24% had the status of Full Doctor and 37% PhD in Computer Science, Pedagogics, Applied Math, Technology and Engineering; 39% - Postgraduates and students. More than half of the participants (62%) were young scientists under 35 whose interests apportioned the conference topics.

## 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 March 24, 2020, Internet-forum was organized as a virtual scientific discussion. So temporary difficulties did not prevent the conference organizing committee from recommending the best 10 scientific papers in English for publication with CEUR-WS platform. Another 37 papers in Russian will be published in Herzen University proceedings.

The reports, presented on the Conference, gave the opportunity to draw a broad picture of the 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 competences through algorithmization 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 environment influence on a person were considered - computer anxiety, and upbringing in the electronic informational and educational environment.

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## References

- [NESinMIS, 2012] New Educational Strategies in Modern Informational Space. (2012). Proceedings of Scientific Conference. Ed. by T. Noskova et al. Desember, 2, 2012, Saint-Petersburg, Russia. 208 p.(In Rus.) = Novye obrazovatel'nye strategii v sovremennom informacionnom prostranstve: Sbornik nauchnyh statei. SPb.: Izd-vo Lema, 2012. - 208 s. Available at <http://http://fit-herzen-conf.ru/pdf/2011-12.pdf>
- [NESinMIS, 2018] New Educational Strategies in Modern Informational Space(2018) Proceedings (Scientific papers). Ed. by T. Noskova et al. March, 26, 2018, Saint-Petersburg, Russia. 220p.(In Rus.) = Novye obrazovatel'nye strategii v sovremennom informacionnom prostranstve: Sbornik nauchnyh statei po materialam mezhdunarodnoi nauchnoi konferencii.26 marta 2018 goda. SPb.: Izd-vo RGPU im. A.I. Gercena.-220s. Available at <http://fit-herzen-conf.ru/pdf/2018.pdf>
- [NESinMIS, 2019] New Educational Strategies in Modern Informational Space(2019) Proceedings (Scientific papers). Ed. by T. Noskova et al. March, 26, 2019, Saint-Petersburg, Russia. 220p.(In Rus.) = Novye obrazovatel'nye strategii v sovremennom informacionnom prostranstve: Sbornik nauchnyh statei po materialam mezhdunarodnoi nauchnoi konferencii.26 marta 2019 goda. SPb.: Izd-vo RGPU im. A.I. Gercena.-220s. Available at <http://fit-herzen-conf.ru/pdf/2018.pdf>
- [NESinMIS –2019, 2019] New Educational Strategies in Modern Informational Space(NESinMIS – 2019) Proceedings. Ed. by T. Noskova et al. March, 26, 2019, Saint-Petersburg, Russia.CEUR-WS, Vol. 2401. – 96p. <http://ceur-ws.org/Vol-2401/>