

activities. 2. The development and implementation of robotic guides. 3. The strengthening of links to the press service of the MES of the Republic of Belarus and media platforms.

Additionally, it should be emphasized that the formation of life safety culture in modern society requires constant updating of the content and teaching methods, the transition from linear and reproductive forms to interactive, research and operational methods focused on the independent activity of a person. The integration of the latest technologies should be accompanied by a deep methodological study that ensures a balance between technological progress and humanistic principles of education.

Research results: the safety center and the museum of the Ministry for Emergency Situations of the Republic of Belarus represent strategically important institutions for fostering civic responsibility, sustainable and safe behavior. Their further development should be based on an integrated approach combining technological innovations, value-based education and effective communication on the topics of life safety culture.

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FROM THE FOURTH TO THE FIFTH INDUSTRIAL REVOLUTION: PROSPECTS OF DEVELOPMENT OF CYBER-PHYSICAL SYSTEMS IN THE REPUBLIC OF BELARUS

От четвертой к пятой промышленной революции: перспективы развития киберфизических систем в Республике Беларусь

Dynamic distribution of the Industry 4.0 initiatives has raised the question about how influences values proclaimed by the concept of sustainable development, for this reason, the purpose of the work is to determine the requirements for modern industrial enterprises, as well as prospects for the development of cyber-physical systems within the framework of Industry 5.0 in Belarus. The modern development of the economy of the Republic of Belarus is based on formation of a competitive industrial complex whose enterprises meet the following requirements and challenges of the market economy:

1. The creation of high-productive workplaces to increase labor productivity through value added;
2. The usage of sustainable technologies in their activities, with the aim of achieving sustainable development;
3. The development of an advanced digital communications infrastructure for integration with scientific organizations in order to create and implement innovations, as well as to achieve synergistic effects through such unions;
4. The possibility of customizing and personalizing products or industrial services.

The achievement of these criteria is possible provided the timely development of science-based economic activities within the industrial sector, i.e. technologies V and VI technological orders. With a view to implement the tasks set out in the Republic of Belarus, a number of normative and legal documents have been developed, the main ones of which are presented below:

1. Decree 381 «On digital development» of November 29, 2023;
2. Decree 40 «On cybersecurity» of 14 February 14, 2023.
3. State program «Digital development of Belarus» for 2021–2025.

1. Moving from the fourth to the fifth industrial revolution involves integrating people and machines, shifting the focus from technological progress to the social aspect of a company's activities. At this point the employees of organizations become an «investment» asset, in this case, there is a win-win strategy: by investing in the skills of the organization's staff, companies achieve their own purposes. In Industry 5.0 cyber-physical systems play a central role, so the transformation affects them too: they combine computing resources with physical objects, but with the addition of human factor, becoming cyber-social systems.

2. The Republic of Belarus has an exhaustive potential for realizing the prospects of Industry 5.0 in the future, which is justified by the combination of significant support from the state, development of human resources and specialization of Belarusian industry in industries with a developed manufacturing base. Implementation of cyber-physical systems will make the Republic of Belarus a global economic competitor, especially in terms of intelligent resource management for the development of innovative high value-added products and services using cyber-physics systems.

3. As a result of work, the following conclusions can be made: Industry 5.0 would allow to solve a number of problems that arose within the framework of Industry 4.0, due to fundamental differences, which are based on humanization of companies' activities and sustainable development.

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DIGITAL PRIVACY AND DATA SECURITY IN THE INFORMATION AGE

Цифровая конфиденциальность и безопасность данных в информационную эпоху

In the modern world, internet access has become an integral part of daily life for the majority of the population. We use social networks, make online purchases, store personal photos in the cloud, and communicate through messengers. Yet, do we fully comprehend the associated dangers of the digital realm?