

A. Metlushko
А. Д. Метлушко
УГЗ (Минск)

Научные руководители Г. Ф. Ласута, А. Б. Богданович, А. С. Щур

INNOVATIVE APPROACHES TO THE DEVELOPMENT OF SOCIAL PLATFORMS FOR THE FORMATION OF LIFE SAFETY CULTURE

Иновационные подходы к развитию социальных площадок формирования культуры безопасности жизнедеятельности

Nowadays natural and man-made emergencies seriously endanger people's health and life and involve big-scaled material losses. Ensuring safety of people and territory is a challenge and a necessary condition of society. It's a well-known fact that human factor is the main cause of emergencies resulting with human casualties and injuries. Under modern conditions, safety ensuring involves prevention of unsafe behavior. Ensuring life safety cannot be only limited by forming the complex of knowledge. Life safety concepts should be incorporated in person's value orientations that define motivation of his/her behavior. To transform knowledge into skills and behavior habits, that means to develop life safety culture, interactive forms of education are necessary. Interactive methods of education allow using modern technologies and science achievements to gain, understand and consolidate knowledge and transform this knowledge into believes and skills efficiently.

The purpose of this article is the analysis of main interactive forms and methods implemented in Safety and educational center of the University of civil protection (hereinafter referred to as the center) and in actions of Museum of rescuing and fire-fighting work of the MES of the Republic of Belarus (hereinafter referred to as the museum) as a social platforms of forming life safety culture. In terms of raising importance of cultivating life safety culture the usage of educational potential of safety center and museum is important. The relevance of the research is defined by two main aspects. Firstly, it is the necessity of complex study of ideological and educational functions of the center and museum. Secondly, it is the need of development and theoretical explanation of new methods in organization of their activity in digital environment. Both aspects are yet not studied.

The analysis of the activities of social platforms of the formation of life safety culture was conducted. It was found that the center and the museum perform not only an educational function, but also a significant ideological, educational and communicative function. Their work is focused on developing sustainable models of safe behavior of citizens, shaping their values, introducing visitors to the historical, cultural, and spiritual heritage, and fostering a respectful attitude toward the history and social significance of fire rescue service. The significant potential of interactive and digital technologies gives new prospects for further development of social platforms in several directions. 1. The integration of artificial intelligence (AI) technologies into educational and museum

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.

E. Moiseenko

Е. И. Моисеенко

БГЭУ (Минск)

Научный руководитель И. А. Зубрицкая

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.