



NEGATIVE EFFECTS OF ROBOTICS AND ARTIFICIAL INTELLIGENCE (AI)

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Аннотасия: В этой статье представлена информация об основных направлениях использования робототехники и искусственного интеллекта, в частности, о негативном воздействии на человека и возможной технологической борьбе между странами. Автор изложил свои взгляды на спрос на робототехнику на международной арене. Описана роль робототехники в политике и экономике. В качестве примера приводятся кибератаки на систему безопасности страны. Были высказаны предложения и рекомендации относительно возможностей, которые необходимо создать для использования робототехники и искусственного интеллекта в развитых и развивающихся странах.

Ключевые слова: искусственный интеллект, робототехника, США, Китай, беспилотник, Северная Корея, Франция, ядерное оружие, экономика, военные.

Annotation: This article provides information on the main uses of robotics and artificial intelligence, in particular the negative impact on humans and the possible technological struggle between countries. The author outlined his views on the demand for robotics in the international arena. The role of robotics in politics and economics is described. An example is given of cyberattacks on a country's security system. Suggestions and recommendations were made regarding the opportunities that need to be created for the use of robotics and artificial intelligence in developed and developing countries.

Keywords: artificial intelligence, robotics, US, China, drone, North Korea, France, nuclear weapons, economy, military.

The end of international conflicts and the industrial revolutions created enormous chances for the drastic transformation of many fields, enhancing humankind's quality of life and inspiring the development of new technologies.

The modern world is becoming more globally interconnected, which increases how dependent humans are on technology. Today, it can be challenging to envision the modern world without technological innovations. In fact, this dependence has created an environment that makes it easier to manipulate and control people. In doing so, technological devices are in charge of people's consciousness (including phones, gadgets, and tablets). For instance, social media platforms like Instagram, Telegram, and others (In North Korea, the use of social media is forbidden for citizens of the country³). The accuracy or dependability of the data won't be known until the nation ends censorship. The organization of cyberattacks is one of the harmful effects of this

³ <https://regnum.ru/news/3040273.html>





stage of growth in the technological age. In fact, while cyberattacks were initially directed at the financial systems of businesses, they are today considered as a tool of political animosity between nations. An illustration of this is the serious harm inflicted on the Iranian core program in 2010 by the computer (worm) virus Win32/Stuxnet, which slowed the program as a result of this cyberattack. The Iranian authorities blamed the US and Israel for the development of the malicious code, which also caused damage to the infrastructure of several industrial plants.⁴

Additionally, the development in technological equipment and the fact that many industries are being introduced through robotics could cause a fall in many sectors in the future along with the decline in employment in many industries. An illustration of this is China's "Made in China 2025" project, which was introduced in 2016 and is anticipated to result in the unemployment of a third of the nation's workforce. Indeed, the twenty-first century is the age of technology, and one of its most notable inventions is, of course, the Internet. Today, technology plays an important role in saving time and reducing workload for humans. However, even such conveniences are not without drawbacks. Technology has become so ingrained in the human world that its negative effects can now be seen in all aspects of our lives. Reduced vision, lack of mobility, being overweight, and other health issues are common. Addictions to mobile gaming, cyberspace, and computer games among young people contribute to family separation in social settings. (Addiction to computer games in European countries in the last 10 years has led to the postponement of marriage⁵).

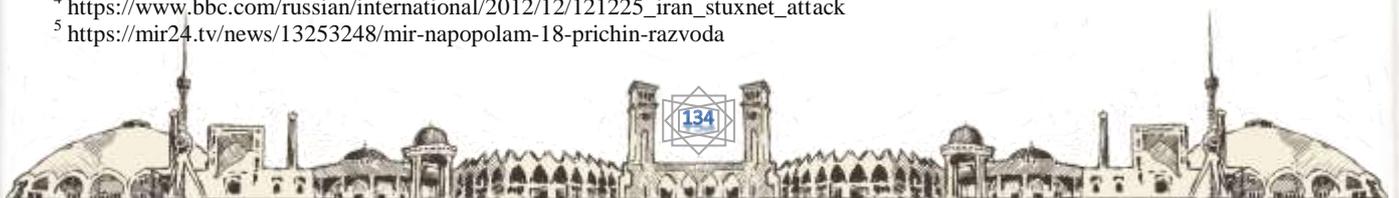
Furthermore, the exchange of robotic tools in many industries will increase societal unemployment. This, in turn, will hasten population growth, which has been steadily increasing year after year, and increase the demand for resources.

It begs the question, why are countries investing in robotics and artificial intelligence (AI) development? In response to this:

- ❖ Despite the fact that many countries (including the United States, Russia, and France) have nuclear weapons, the availability of robotics and artificial intelligence (AI) devices negates the nuclear weapons factor and greatly accelerates a country's deterrence;
- ❖ The advancement of robotics also benefits the country's defense system (via fighters and remotely piloted vehicles), allowing for significant savings in military expenditures.
- ❖ Ensures the convenience of the farm's various economic and financial operations;
- ❖ Assure a reduction in the expense of living for the country's working class (the number of workers can be reduced by the introduction of robotics in factories and plants).

⁴ https://www.bbc.com/russian/international/2012/12/121225_iran_stuxnet_attack

⁵ <https://mir24.tv/news/13253248/mir-napopolam-18-prichin-razvoda>





Many countries are now committing to the advancement of robotics and artificial intelligence (AI).

It is undeniable that if artificial intelligence (AI) focuses on the use of robotics in the armed forces, the international power balance will shift. This is exactly what Russian President Vladimir Putin said in his 2017 speech: "AI is the future of humanity, not just Russia. Today, there are numerous opportunities and threats that are difficult to predict. Whoever is the leader in this field (AI) will rule the world" he stated. The use of robotic devices with artificial intelligence (AI) at a distance for military purposes provides a very powerful political force for any country. For example, organizing a cyber-attack, disabling a nuclear weapons system, or disrupting a country's infrastructure. It is worth adding that a cyber-attack on Iran's missile system will be carried out in 2019 on the orders of former U.S. President Donald Trump. "As some have misspelled, I never rescinded the order to strike Iran," Trump said. I stopped it at the time"⁶ he tweeted on June 23.

It should be noted that the United States' geographical location ensures convenience and security from outside attacks. This factor ensures a stable US policy and promotes development in all areas. However, the fact that any country that opposes US policy has the right to provide artificial intelligence (AI) may cause the US security system to fail. IDC analysts examined the near future of artificial intelligence (AI) technology, according to experts. According to the report, the cost of artificial intelligence (AI) in the United States will reach \$120 billion by 2025. External factors aided the rise in the value of artificial intelligence (AI), which made China the world's leading supplier of industrial robots in 2016, producing 87,000 units per year⁷.

The development of remotely piloted drones by governments nowadays opens up new options in the military arena. This means that the geographical location of developed or developing nations is no longer relevant. The emergence of artificial intelligence (AI) gadgets is due to the possibility that the geographical element may slip to second position. This means that any state may now use technical might to threaten.

To summarize, the use of robotics and artificial intelligence leads not only to an increase in the number of unemployed people, but also to new wars between countries and the disruption of national governance, which can result in the separation of leading leaders and thus the growth of groups proportional to each other. On the other hand, it not only provides excellent chances for any country, but also ensures political and economic dominance.

LIST OF WEBSITES USED.

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⁶⁶ <https://www.delfi.lt/ru/abroad/global/ssha-po-ukazu-trampa-sovershili-kiberataku-na-raketnye-sistemy-irana.d?id=81536803>

⁷ <http://fingramota.org/teoriya-finansov/ustrojstvo-ekonomiki/item/2911-kuda-vedet-kitaj-strategiya-made-in-china-2025>





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