

SOCIO-PHILOSOPHICAL ANALYSIS OF ARTIFICIAL INTELLIGENCE:

PROBLEMS AND SOLUTIONS

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Annotation

The article analyzes the philosophical problems of artificial intelligence, the role of artificial intelligence, information, information and information technologies in the development of society, the analysis of information as a mechanism of social development, the solution of existing problems and future tasks in this field is presented.

Keywords: science and technology, information, human, thinking, artificial intelligence, artificial perception, smart technologies, smart car, smart city, smart technologies, civilization.

In the 21st century, as humanity has made incomparable achievements in the field of science, technology, technology and information communications, the scope of social, political, cultural, spiritual and international relations has expanded. Today, in the age of artificial intelligence, information and high technologies, is there a need for philosophical thinking, which is the highest product of human thinking? In the conditions of continuous flow of information and chronic shortage of time, does not artificial thinking supplant philosophical observation? Such questions pose innovative and creative philosophical problems that did not exist before and have not been solved.

Artificial intelligence is a special branch of computer science [1] that deals with the creation of computer systems with capabilities usually associated with the human mind: language comprehension, teaching, discussion, problem solving, translation, and similar capabilities.

Applications on a mobile device: google-translator, dictionaries, various games, etc. are also clear examples of artificial intelligence.

Nowadays, artificial intelligence and its technologies are used in various aspects of society's life. For example, human face recognition technology is becoming a convenient tool for managing classes and dormitories in some higher education institutions of the country. The world's major media centers, TV and radio companies, and news agencies operate with the help of computers with artificial intelligence.

The public opinion of the world is concerned about artificial intelligence taking a leading position in the technology industry, arbitrary interference in human life, artificial intelligence instead of human thinking, robots making decisions instead of humans. After all, on the basis of today's high technology and artificial intelligence programs, a person's facial structure,

fingerprints, speech, tone of voice are determined without error. Artificial intelligence computer programs are beating chess grandmasters [2]. Fully translating multiple languages from one to another. Driverless cars have even started to drive on the highways of developed countries [3]. Medical devices that quickly and accurately diagnose serious and incurable diseases are put into operation [4]. The yard is swept by a robot, the house is cleaned by robots, and they can make automatic scientific discoveries [5].

According to information published by the World Intellectual Property Organization in 2019, from 1960 to 2018, 340,000 patents related to artificial intelligence were obtained and 1,636,649 scientific articles were published. Between 2002 and 2017, the annual growth rate of articles published in the field of artificial intelligence is 5.6%, and the annual growth rate of the number of patents received is about 28 % [6]. Based on this data, by 2030, artificial intelligence can be expected to add approximately \$15 trillion to the global economy's GDP.

Robots are now able to perform complex surgeries. The robot doctor's unique collaboration with medical staff has greatly increased efficiency. Medtronis, in cooperation with IBM, is developing a special program for patients with diabetes. This software will be able to detect an emergency drop in blood sugar 3 hours in advance. For this, the medical data of 600 anonymous patients with this disease were studied [7]. This means that now a person will have the opportunity to regularly monitor his health through special programs on mobile devices.

It is clear that there are fundamental and practical reasons for the development of artificial intelligence in the country and its place among advanced countries in the field of medicine [8]. Mark Zuckerberg, the founder of Facebook , believes that "after five to ten years, a large part of the company's budget, the main attention of scientific and practical experts will be spent on things that sharpen people's eyesight, improve hearing, increase the richness of language, expand the range of thinking, in a word, heal people, we focus on creating artificial intelligence that will rejuvenate and serve for a happy life"[9].

It is not long before the era of strong artificial intelligence is widely used, but there is no need to worry, fear, or discourage it, it should only be used based on mutual agreement and contracts and directed to good works, according to Google's Chief Scientist Lee Feifei "artificial intelligence, its essence, possibilities, advantages know no limits. Artificial intelligence serves to improve the lives of the people of the Earth" [10] he expressed high confidence in the future of artificial intelligence.

In developed countries, the artificial intelligence industry is widely integrated into the real sector of the economy. It serves as another factor of economic development. Effective use of the results of artificial intelligence technology will improve human comfort, public services and public administration. Along with the Internet, artificial intelligence can change the socio-economic and some other structures of the world.

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Artificial intelligence is being tested in many areas of life: medicine, robotic engineers, robotic machines, intelligence, military and crime fighting, etc.

The black box approach is mainly used in the processes of artificial perception improvement carried out in recent years. By 2030, artificial intelligence is planned to increase the world economy to \$15.7 trillion [11].

According to the Christian believer - proto-priest Mikhail Zakharov, man is an intelligent, free-thinking being, created by God. Nothing happens in this world without God's will. An iron body was created that could replace a human and even surpass it in some of its abilities. We also say that it was created by human hands according to the will of God. After all, man is creating new species and breeds of plants and animals. They were also created by God's will. Artificial intelligence was also created by God's will [12]. Virtual intelligence is an artificial mind that draws conclusions based on data previously collected and entered into the computer database and is under human control.

Artificial intelligence is a product of human thinking. Artificial intelligence is a consciousness that collects information, stores it in memory, thinks independently, makes its own conclusions, makes its own decisions, tells the solution to a problem, and is created by the minds and hands of scientists. The serious part of the matter is that the fruit of the high thinking created by man has brought a serious problem for mankind.

At the last annual meeting of the American Association for the Advancement of Science in Washington, it was reported that 70 percent of the workers employed in production will be out of a job due to the development of robotics [13]. Artificial intelligence is bound to be a problem unless employment is addressed in a timely and appropriate manner.

Even the still young, medium artificial intelligence is improving. The algorithms used by artificial intelligence are becoming so complex that sometimes the creators themselves cannot understand how the machines make decisions. For example, the management of the Facebook search network turned off the system that started them when they learned that machines with artificial intelligence began to communicate independently in their own language [14]. Artificial intelligence can destroy a highly advanced civilization.

Artificially intelligent computers "touched their souls" to speak only one language - English, created their own independent (hidden from their owners and incomprehensible to them) language and began to communicate in it.

Seeing that the computers began to communicate like humans and not knowing what was going on in their brains, the computers were shut down because of the danger it posed. The famous American entrepreneur and inventor Elon Musk addressed the opinionated public: "You can see that iron bodies with artificial intelligence pose a great danger to humanity. We don't need

artificial intelligence, we just need an artificial memory that remembers a large amount of information" [15] he said not without reason.

According to the famous British physicist Stephen Hawking, "man's capabilities are limited by the gradual evolutionary process, man cannot compete with machines, he will lose"[16].

So, artificial intelligence is humanity There are several factors that make it a major threat to civilization:

First, artificial intelligence causing mass labor related problems. A robot can do everything better than us. In the pursuit of cutting-edge technology, companies can lose sight of the dangers posed by AI. There is no doubt that soon a network of neurons that can imitate the activity of the human brain will be created. Machines with intelligent processors that can process infinite data, adapt to any situation, and increase their intelligence can easily do everything from accurate weather forecasting to detailed cancer diagnosis. If such systems are used to vote in elections or connect to public services, as is already being witnessed, then the real problem begins.

Secondly, in the field of robotics, a method called "reinforcement of independent learning"[17] is becoming popular: the designer determines in advance how the system will behave, and the machine learns the rest independently, interacting with the environment. In this approach, human intervention in the processes occurring within the system under test is minimal. The human intervention consists only in imposing the task, and the machine itself fully decides how to implement it.

One of the main achievements of artificial intelligence is that it can do things that humans can't do. What if artificial intelligence is squeezed?

Understanding how an artificial machine makes decisions depends on the relevance of those decisions. If you are confident that a system is working without risk, it is better to focus more on the quality of the results it produces than on how it makes decisions. After all, when it comes to driverless cars and medical diagnoses without doctors, artificial intelligence can work more efficiently than humans in this matter, intruding into human life and avoiding danger, understanding how it works may be of little importance. For example, the system used to make a diagnosis in medicine is 95% accurate [18]. However, one cannot be completely sure of the correctness of the results it provides and wants to double-check it. If there were some way to assure that the system was actually working correctly, the human wouldn't care which way the machine decided.

On the other hand, let's say that the determination of the term of imprisonment of criminals is left to artificial intelligence, then there is a need to know its decision-making methods. Artificial Intelligence recommended that the judge sentence the offender to six years in prison.

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The criminal requires clear explanations in this regard. It is not yet known on what basis the artificial intelligence makes decisions in such cases.

Science is the highest fruit of human thinking. Unbridled thinking, universal discoveries of some scientists that do not conform to the standards of morality and wisdom, especially nanotechnology, intelligent machines, robots, genetic engineering, cloning, transplantation, xenotransplantation, modification of the human genome, artificial enhancement of the human mind, artificial enhancement of the human body, use of intelligence for evil, Who is responsible for the consequences of increasing nuclear, chemical, bacteriological weapons, which will destroy the earth several times over?

How long until an artificially intelligent electronic processor is smarter than a human? Like in the 18th century, will a person declare war on technology and technology without wasting time, or will he make them subordinate to him?

In our opinion, in order for artificial intelligence not to become an actual problem facing mankind, a person should curb his thinking, humanize his thinking, and sensibly feel his personal responsibility for the future.

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