

УДК372.891=111

## ARTIFICIAL INTELLIGENCE: PEOPLE VERSUS INTELLIGENT MACHINES

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The term artificial intelligence has become popular today thanks to huge data volumes, advanced algorithms, and improvements in computing power and storage [1].

Today, if we take the level of general intellectual development, the machine is absolutely inferior to men. But someday the machine's mind will surpass human intelligence. Experts represent three scenarios of intellectual system takeoff on the supramental level: slow, moderate and fast ones [2].

Slow take-off.

This will probably happen in long time intervals – from decades to centuries. Such scenarios are excellent opportunities to mankind to be able to reflect on their future political moves, adapt them to the situation and respond appropriately to what is happening. The time can be taken to test different approaches to educate and train the new staff. The electoral campaign will focus on the supporters and opponents of the processes. If it turns out that we need a new security system and public control over research in the field of artificial intelligence, it will have enough time to develop and deploy them.

Moderate rise.

It will happen in a relatively short time period – from several months to several years. In this case, humanity is still some opportunity to react to what is happening, but does not have time to analyze it, and to test different approaches to solve the complex problems of coordination. There will not be enough time for the creation and deployment of new systems, such as policies, controls, computer network security protocols, but people will be able to adapt to the new circumstances and existing rules.

Quick take-off.

This will happen in a very short period of time – minutes, hours, days. During the rapid take-off scenarios people have almost no choice to react to it. Nobody has time to notice anything, but the game would be lost already. In either scenario, the rapid take-off the fate of mankind depends largely on the preparatory work already conducted at this point. During the fastest scenarios people still can make some basic movements like opening the "nuclear briefcase", but then the algorithms of these actions must be, or actually elementary, or planned, programmed and rehearsed in advance.

The scenarios described above give the people food for thought: how to avoid surpassing human intelligence and competitiveness by intelligent machines, how to act during each of the scenarios, how and where to employ people who have lost their positions because of automation.

### References

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2. Баяндина Ю. Искусственный интеллект: что ждёт людей в мире умных машин? [Электронный ресурс] – Режим доступа [shkolazhizni.ru/world/articles/75262](http://shkolazhizni.ru/world/articles/75262).

УДК 339.7=111

## INTERNATIONAL MONETARY FUND IN THE CONTEXT OF COOPERATION WITH UKRAINE

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