

Section 03. Smart Solutions in IT

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Intuitive Intelligence

Living in the world of clever devices, using them every hour for our needs, we can't imagine that something can change dramatically, but it exactly will. In about 20 years we can become witnesses of a new period when the people's work could be easier, goals could be achieved faster and new horizons could be opened. In this period people and robots will exist together, working at the projects that can't be successfully completed without each other.

To make it happen scientists must find the way to "teach computer how to learn", make it generative, intuitive. It's the problem more for engineering than for programming. For such great aim robots need huge space in their memory, millions of gigabytes to have the ability of constant learning.

First results of creating such intelligence are being used nowadays. For instance, researchers wanted a strong and stable cabin for one of the planes of future to be designed by computer. and computer gave a result of such cabin which design is similar to bottom part of a mammal's skeleton. That has happened because the computer is programmed to do the things in the same way like evolution does. But it's still not intuitive. To focus robotic system more at analysis and less at doing exactly what people say researchers have made such experiment: they set up a nervous system to cars driven by world class drivers and they were driving through the desert for a week. After all, data about loads on a car was uploaded into the computer, which created new design for car that is the most suitable for such travels. Improving things in the intelligence sphere is happening very fast now, it associates with popularity of work connected with IT technologies. According to the U.S. Bureau of Labor Statistics, sixty percent of all jobs (it means every three out of five people's jobs) relate to computing: system analysis, software development and others.

Intuitive intelligence has one of the highest priorities of surveys at the moment. AI now understands what we are saying, it builds houses, bridges, details for hard constructions etc. All experiments with intelligence have been done with human intervention but it's only beginning of intuitive progress, which will be the key to solving all our present and future problems.