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المزيد من مادة
لغة انجليزية:

التواصل الاجتماعي بحسب الصف الثاني الثانوي



صفحة المناهج
البحرينية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف الثاني الثانوي والمادة لغة انجليزية في الفصل الأول

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Robotics and Artificial Intelligence

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ABSTRACT

Artificial intelligence and robotics are very recent technologies and risks for our world. They are developing their capacity dramatically and shifting their origins of developing intention to other dimensions. When humans see the past histories of AI and robotics, human beings can examine and understand the objectives and intentions of them which to make life easy and assist human beings within different circumstances and situations. However, currently and in the near future, due to changing the attitude of robotic and AI inventors and experts as well as based on the AI nature that their capacity of environmental acquisition and adaptation, they may become predators and put creatures at risk. They may also inherit the full nature of creatures. Thus, finally they will create their new universe or the destiny of our universe will be in danger.

KEYWORDS

AI, Destiny of Universe, Intelligence, Robotics

1. INTRODUCTION

Artificial intelligence describes the work processes of machines that would require intelligence if performed by humans (Wisskirchen et al., 2017). The term 'artificial intelligence' thus means 'investigating intelligent problem-solving behavior and creating intelligent computer systems.

There are two kinds of artificial intelligence:

- **Weak Artificial Intelligence:** the computer is merely an instrument for investigating cognitive processes – the computer simulates intelligence.
- **Strong Artificial Intelligence:** The processes in the computer are intellectual, self-learning processes. Computers can 'understand' by means of the right software/programming and are able to optimize their own behavior on the basis of their former behavior and their experience. 4 This includes automatic networking with other machines, which leads to a dramatic scaling effect.

According to the Robot Institute of America (1979) a robot is: "A reprogram able, multi-functional manipulator designed to move material, parts, tools, or specialized devices through various programmed motions for the performance of a variety of tasks" (Bansal et al., 2017). A more inspiring definition can be found in Webster. According to Webster a Robot is: "An automatic device that performs functions normally ascribed to humans or a machine in the form of a human." A robot can be defined as a programmable, self-controlled device consisting of electronic, electrical, or mechanical units. More generally, it is a machine that functions in place of a living agent. Robots are especially desirable for certain work functions because, unlike humans, they never get tired; they can endure physical conditions that are uncomfortable or even dangerous; they can operate in airless conditions; they do not get bored by repetition; and they cannot be distracted from the task at hand.

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