Retraction

Retraction: The Establishment of Artificial Intelligence Platform of Internet of Things Based on Computer Technology (J. Phys.: Conf. Ser. 1744 042062)

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This article has been retracted by IOP Publishing following an allegation that raises concerns this article may have been created, manipulated, and/or sold by a commercial entity. In addition, IOP Publishing has seen no evidence that reliable peer review was conducted on this article, despite the clear standards expected of and communicated to conference organisers.

The authors of the article have been given opportunity to present evidence that they were the original and genuine creators of the work, however at the time of publication of this notice, IOP Publishing has not received any response. IOP Publishing has analysed the article and agrees there are enough indicators to cause serious doubts over the legitimacy of the work and agree this article should be retracted. The authors are encouraged to contact IOP Publishing Limited if they have any comments on this retraction.

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The Establishment of Artificial Intelligence Platform of Internet of Things Based on Computer Technology

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Abstract. With the continuous development and application of Internet technology, China has gradually stepped into the era of AI of Things. Now people's life is full of Internet product of artificial intelligence and the Internet of things application is the Internet Products of the two main direction of the polymerization in the A10. For example the present stage our country use of voice recognition, face recognition and unmanned are the application of artificial intelligence technology. On the other hand, the Internet of things as the product of the information technology revolution for the third time, development is also very quickly in recent years. Therefore, faced with these two emerging technologies, we began to try to combine the two to form the ARTIFICIAL intelligence Internet of Things. This paper mainly introduces the current development of Smart Internet of things at home and abroad, as well as the challenges in its future development.

Keywords: Artificial intelligence, The Internet of things, Artificial intelligence, Internet of Things

1. Introduction

Artificial Intelligence, or AI, was proposed by a group of American computer experts at a conference in 1956, the same day the concept first appeared, marking the advent of Artificial Intelligence. As a result, many scientists and experts have force into the mouth of the new areas of research and study, to some extent makes artificial intelligence obtained fast development, and even an artificial intelligence at the time can study orgasm. In 1980, there appeared some problems in the application field, such as narrow knowledge, lack of common sense, difficulty in acquiring knowledge, and single reasoning method, which led to the slow development of human intelligence. During this period, the Internet of Things, an emerging technology known as the third wave of information revolution after the computer and the Internet, also developed rapidly around the world.

The Internet of Things (IOT), or connecting things, is currently achieved primarily through sensors and related technologies such as rfid, and has become a useful addition to our daily lives to some extent. At the same time, for the Internet of Things, is an extension and expansion of the Network based on the Internet. It is a huge network formed by combining various information sensing devices with the Internet. Any place, person, machine, thing interconnection port. However, with the...
continuous progress of the loan loan society, people are increasingly demanding the Internet of Things. So, in order to create a more intelligent and humane network of the future, we're combining today's hot people (intelligent technology) to create a new technology called RIOT.

2. Development status at home and abroad
At present, the technology of artificial intelligence Internet of Things is still in its infancy and exploration stage, so it is not mature enough in terms of both technology and application. Therefore, this technology has only been well developed and applied in some countries and regions.

Table 1. The introduction of domestic and international development.

| The United States | Azure Internet Of Things Edge enables AI and custom logic to be deployed across all internet of things devices, making the entire internet of things system run more efficiently and stably. |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Japan             | Japan's current Prime Minister Shinzo Abe has proposed that Japan's GDP should reach 600 trillion yen by 2020. To support this goal, Japan's Ministry of Economy, Trade and Industry (METI) has put forward the fourth Industrial Revolution strategy, which has three core technology directions, namely the Internet of Things, big data and artificial intelligence. In the process, the Japanese government also borrowed |
| Germany           | The German government has experienced eight years of development since it proposed to establish "Industry 4.0" in Germany. All its facilities have been basically established and its services are becoming more and more perfect. The key to its success lies in innovation. |
| China             | With the continuous improvement of China's comprehensive strength in science and technology, an excellent IT company has emerged, such as Tencent, Ali, etc. These companies are the current IT giants in China, so they have also entered into the development team. |

3. Network security problems in the establishment of artificial intelligence platform of the Internet of Things
At present, although the application of artificial intelligence technology has been widely implemented in China, there are a lot of network security problems in the process of application, which are mainly manifested in the following aspects. Database security issues.

Figure 1. Problems in the process of building the platform.

These problems are mainly manifested in the following aspects. The first problem is that people in the use of artificial intelligence in terms of equipment and technology of Internet of things is not strictly according to network security standard operating some web primary user or the low level of education of the older network users do not pay attention to the Trojan killing and the establishment of a firewall system result in the Internet of things application and artificial intelligence software and equipment by the virus. The second aspect is that network intelligent researchers and Internet application designers fail to pay attention to the establishment of network security management system in the process of designing operating software. The operating software is finally applied to the final client of artificial
intelligence systems and devices as well as the Internet of Things technology. People use the operating client software with complete dependence in the process of using it. In the process of use, some virus information may pop up and be inadvertently clicked by people, which leads to serious damage to network security. Therefore, the security vulnerability in the design process of the operational client has also become one of the reasons for hacker attacks and virus intrusion. The third aspect is the security problem of network database under the background of big data. First of all, in the application process of artificial intelligence equipment system and Internet of Things, a common big database is needed for technical support and data support. These large databases have been researched and applied by computer researchers and Internet researchers for a long time. Inevitably, some operators have caused damage to the security management of large databases.

4. Network security protection and management measures during the establishment of the platform
In order to deal with network management security issues need from the following aspects to take relevant measures. The first aspect is to establish a more effective system and system in order to prevent the entire network security from being attacked by external adverse factors to establish a more defensible management system. The second aspect is the operation of artificial intelligence and Internet application. People should be aware of the seriousness of virus harm and be able to avoid virus invasion from their own operation. The third aspect is to encrypt and save some important and secret information and set up a complicated password. This creates a technical barrier that prevents hackers from easily inserting viruses into their own network. In the transmission process of confidential information as far as possible first run the computer antivirus and U disk transmission system antivirus process do not easily classified files through the ordinary way of transmission. And try to set up a higher-level firewall system on the terminal network application equipment to ensure that the network security protection and management of artificial intelligence and Internet of Things applications is more defensive and feasible.

5. Conclusion
At present, with the continuous enhancement of Internet technology, AIOT has been widely used in China. Because of the continuous development of science and technology, hackers' attacks infect remote control, data theft and other intrusion technologies are also constantly enhanced. If China's intelligent internet of things network security management system and technology are not enhanced, there will be more network systems subjected to various malicious attacks and intrusions, which will be very detrimental to the development and application of China's Internet technology. At present, the Internet of Things and artificial intelligence can be used in all aspects of people's life. If the network security management is not well guaranteed, the unstable factors of the society will continue to increase, thus affecting the security and development of the country.

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