PART 1

Development is on the rise in all fields of robotics , such as service robot during this age. Varieties of robots ranging from industrial ones to domestic ones gradually have been appearing. Details are as follows.

First of all, industrial service robots are widely used to examine welding , even harsh-environment tasks, such as some accurate work and nuclear power stations.

Secondly, frontline service robots , which are system-based autonomous, can interact with the customers and deliver service to them .

Moreover, domestic robots are capable of assisting to do human household chores, usually cleaning floors and mowing lawn, can even aid people with disabilities and elderly people to live independently.

Service robotics are also used in scientific research, aiming at assisting scientists to perform tasks accurately.

Nowadays, it seems that there is a modest upturn in this field .

However, there's still space for us to break through.

PART 2

At present, we don't have the ability to realize "human-level" intelligence that have emotions and can solve problems like human. However, promoting interaction with computer is also an feasible way to reach that. For example , when we are shopping and exhausted before lunch , we are desperate for finding a favourable restaurant , then find a robot standing there. When walking to it , its face turns to you and a smile appears on its screen, asking "How can i help you?". Depending on recognition algorithms and

voice system , the robot has an eye contact and communicate with us , making the interaction more authentic. But we can do more than this.

Imagine that , what if it can lead the customers to the place they want? What if it can provide further information according to individual preferences from the data base? Although the current robots are far away from what people expect robot to implement, they can still utilize advanced technology to enhance the quality of service. When it comes to recent advanced technology , we can't ignore 5G 's great significance. What if we combine 5G with service robotics in order to provide robots with better algorithms and more storage? By embracing more data ,robots could branch out to other applications and take a good advantage of interaction.

Also,we are obliged to distinguish the line between robotics and marketing. When you are in a robot restaurant with high expectation, you wait for the robot, only to find that it can't do anything except for delivering the dishes, and cannot even put them on the table. This is commercial marketing, not service robotics.

Besides, we ought to focus on some special people such as the disabled and the elderly. Because when we talk about service robots, we hope that service robotics would have a considerable social meaning that can help them to live independently and even could eliminate discrimination, healing and accompanying. Moreover, service robots could also assist to rehabilitate patients suffering from pain caused by accidents.

All in all, what I've imagined in the near future is that service robots may have some breakthrough beyond the standard manual labour, making it possible that it has exactly changed human life rather than just chasing illusory science fiction and ignore

its own convenience. In a nutshell, when it comes to service robots,we should lay emphasis on service instead of robots.