Future Robots and Robotics
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Desert Robotics

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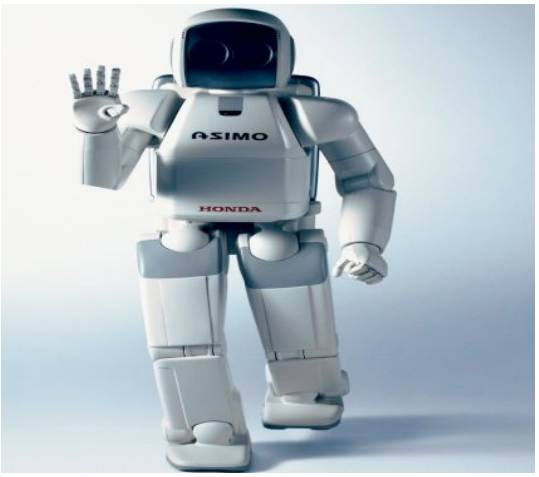
The Change in Future Daily Life Due to Robots

Future robots will help us in every way possible. For instance, almost every day, we must run errands to pick up the groceries or deposit a check at the bank or even just drop kids off at friend's houses.[1] Well, in the future, it is foreseeable that there will be robots, relevant of servants or butlers that you could ask to do something and they would go out and complete what you asked them.[1] For this to happen, however, people must put together their information and resources to create these highly advanced technologic marvels. [1]These robots would be composed of highly advanced and extremely smart computers and devices that can decipher information and put it into use and run the errand. This would help us a civilization so we could route our energy and time into inventions and exploration etc. [1]



(Figure 1: The Honda Asimo robot)

Future Military Robotic Devices

Robots in the future will also be used as "machines of war" if peace hasn't settled in and nations must fight for reasons unknown. Futuristic robots will replace our soldiers and fellow family and members and human beings as the Army, Air Force, etc. [1] Although some people fear that these robots will take control as in movies, but I doubt that futuristic robots will take over as in the Terminator movies. These robots will save lives, operate from remote locations, and also resolve terrorist operations without interrupting international relations. [1] Robots might also be classified as drone or autonomous aircraft. As of 2002, our military has been in use of these drones which save lives and advance technology. [2]

(Figure 2: A military drone in flight)

Futuristic Robotic Maintenance

Robots will also maintain our buildings and establishments like some already clean our pools and vacuum our floors. (Roombas and Scubas another branch of the IRobot cooperation) These robots will replace maintenance workers that maintain our buildings and that construct our buildings. If these robots were to be used, they would speed the rate of which building are made and the difficult and dangerous task of welding and hammering up 30 stories in high rise skyscrapers. These robots would be advanced and would help decrease the percentage of error made when maintenance workers misplace a screw or rivet. The robots could even possibly enhance the economy and save the builders and architects money by replacing laborers.

Robotic Utility Services

In the future, it is possible that robots will replace humans on oil drilling platforms, electrical stations, and other hazardous but essential utilities that we use very day to perform our daily lives and operate civilized. On oil drilling platforms, there are components to make deadly scenarios in which people may lose their lives working for us and our country. Imagine if autonomous robots were too take their place and drill the oil and maintain the platform and send the oil to the United States or wherever it was being drilled from. This would also reduce the chance of error like the massive BP oil spill that happened several weeks ago that is endangering our fish population and crippling the Gulf of Mexico's environment. If robots were to work to power routing stations instead of humans, the risk of cancer would be eliminated and the health of everyone that would've worked there would benefit from it.

Robotic Cars and Vehicles

In the near distant future, it is possible that cars and vehicles will be controlled by robots and would be automatic like the D.A.R.P.A. Grand Challenge car. For instance, if a business man may want to travel from Pico Street in Los Angeles to Fairfax, all he would have to do is simply tell the car where to go and it would simply do that. These future cars might also have other forms of entertainment inside. Like an average automatic car might have a computer system in which a person may access the internet or watch a movie from the seat of their car while the car was driving them towards their

destination. There might also be a miniature car for children that could ferry them from school and back and to friends' houses etc. This would be safer than walking home and parents wouldn't have to drive to and from for every football game etc. [1]

(Figure 3: An autonomous Land Rover car at MIT)(Figure 4: A vehicle shown at the 2010 Auto Expo in Japan)

Future Computers and Robotics

In the near distant future, computers may gain the ability to have the computing power equal or above the computing power of a human brain.[1] If this were to happen, computers and robots would greatly benefit and we would benefit in turn. Consider this, computers that have the ability to run extremely complex programs and execute even more complicated commands and solve problems.[1] Our society would benefit from these computers and in turn, robots would have better computer "brains" to operate from. [1]

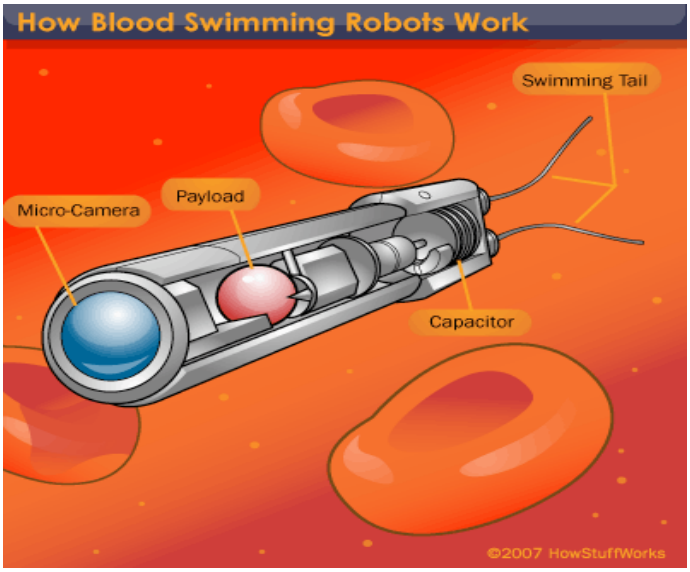
(Figure 5: A concept of a futuristic tablet computer)

Robotic Border Patrol Units

If robots were to patrol our borders, we would see a large increase of security and a large decrease of illegal immigrants coming into the United States every day they are in use. [1]Robotic border patrol units would work nonstop 24 hours every day and 7 days a week.[1] Robots would also have sensors that would be able to pick up heat signatures and ultrasonic movements that a regular human wouldn't be able to detect.[1] Having robots patrol our borders would greatly benefit our country and our civilization. [1]

Medical Robotic Nanotechnology

Nano-robots might very well be inside our bodies in the future.[2] For medical reasons, one might have several miniature automated robots injected into their bloodstream to heal a wound or disease from within.[2] These robots would be extremely small, close to the size of a red blood cell, and would have highly advanced mechanisms to operate. [1]They most likely would consist of a miniature camera, a propellant, the payload and other mechanisms needed for it to operate. [2] These devices would save lives and could possibly eliminate surgeries etc. [2[]



(Figure 6: A diagram of a medical nano-bot in the bloodstream)