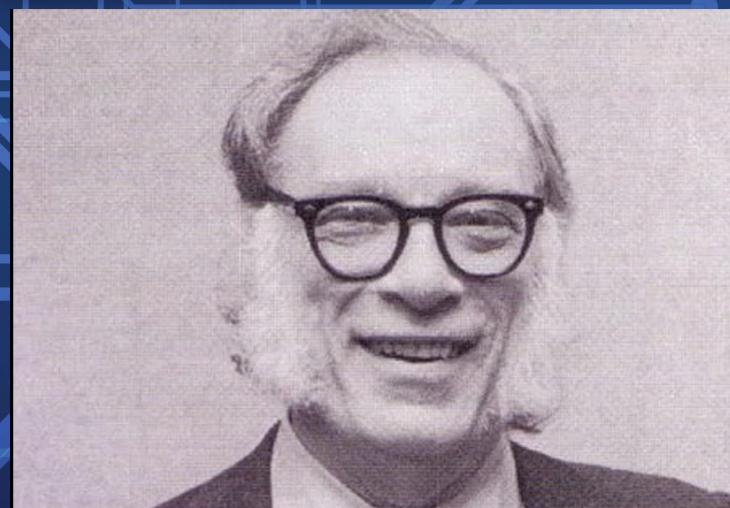


ROBOTICS

HISTORY OF ROBOTICS

Robots can be found dated back through hundreds of years of history, but are only most recently referred to as such since the word "robot" itself only originated in the 1920's by Karl Čapek's playwright 'Rossum's Universal Robots' after his brother Josef Čapek invented it. Let's not forget about one of the most famous people in the history of robotics Isaac Asimov. A science fiction writer, whose fame is thanks to his introduction to the well known three "Laws of Robotics".



MANUFACTURE OF ROBOTICS

Robots are some of the most interesting and complex pieces of technology in our day and ranging from immobile hydraulic arms working on a factory line to commercial drones for children and adults to race. To understand that each and every one use similar or the same pieces of material and electronics to be manufactured only to have completely different function from one another, all just because the type of control or artificial intelligence put behind all of the machinery.

FUTURE OF ROBOTICS

There is a lot in store for the future of robotics, between designing and building exoskeletons for the purposes of construction, allowing people to manipulate heavier loads by themselves with minimal effort, or allowing the paralysed and disabled the ability to stand, walk and preform other such tasks. Creating robots that are eerily realistic to the point they are unnoticeably different from normal people. The applications for robotics are exceptionally expansive, whether it's remote controlled surgical robots, robots for researching the far reaches of space, or simply teaching a child the alphabet.



BOSTON DYNAMICS

As one of the most popular and famous robotics companies, it's unsurprising why. The videos showing the robots they're working on, whether simply giving them easy commands, to giving them the same commands while the employees keep disturbing the robot or the object they're attempting to interact with. Either way, it's extremely interesting to actively watch their progress from the original designs and presentations of their earlier robots, such as BigDog and Cheetah, and create more capable and intelligent robots like, Spot and Atlas.

BIONIC PROSTHETICS

One of the best uses humanity has found for robotics, has to be prosthetic limbs. The idea to recreate a human limb to replace a missing body part out of machinery and technology, completely ingenious. Prosthetics aren't a new idea however, they originated around 3000BC in an ancient Egyptian story "Eye of Horus", where as you may have guessed a man named Horus loses his left eye, later to be given a fake one by Thoth to replace it.



HANSON ROBOTICS

Hanson Robotics the company responsible for some of the world's most advanced robots like 'Sophia', the world's first robotic citizen. They design and create very realistic human-like robots with exceptionally intelligent AI, that allows their robots to engage in natural conversation, perform facial expressions, learn and develop through each of their experiences. Hanson Robotics stands to show what the future of artificial intelligence holds for us, and one day there may be little difference setting us apart from sentient robots.



 HANSON
ROBOTICS



SPACE EXPLORATION

Originally when humanity started experimenting in space, we used dogs, monkeys, and people, learning as much as we could with what limited interaction we had with other planets. Until we started sending robots into space, doing so allowed us to preserve the lives of animal and man, and gave us the ability to obtain even larger amounts of information about the conditions and of other planets and space itself. Providing us access to places considered to deadly for life to go or travelling further than a person could within a single lifetime. Considering all of this robotics in space exploration is one of humanities greatest ever achievements.

