Robot

From Wikipedia, the free encyclopedia

A robot is a machine—especially one programmable by a computer— capable of carrying out a

complex series of actions automatically. Robots can be guided by an external control device or the

control may be embedded within. Robots may be constructed on the lines of human form, but most

robots are machines designed to perform a task with no regard to their aesthetics.

Robots can be autonomous or semi-autonomous and range from humanoids such as Honda's

Advanced Step in Innovative Mobility (ASIMO) and TOSY's TOSY Ping Pong Playing Robot

(TOPIO) to industrial robots, medical operating robots, patient assist robots, dog therapy robots,

collectively programmed swarm robots, UAV drones such as General Atomics MQ-1 Predator, and

even microscopic nano robots. By mimicking a lifelike appearance or automating movements, a

robot may convey a sense of intelligence or thought of its own. Autonomous things are expected to

proliferate in the coming decade, with home robotics and the autonomous car as some of the main

drivers.

The branch of technology that deals with the design, construction, operation, and application of

robots, as well as computer systems for their control, sensory feedback, and information processing

is robotics. These technologies deal with automated machines that can take the place of humans in

dangerous environments or manufacturing processes, or resemble humans in appearance, behavior,

or cognition. Many of today's robots are inspired by nature contributing to the field of bio-inspired

robotics. These robots have also created a newer branch of robotics: soft robotics.

From the time of ancient civilization there have been many accounts of user-configurable automated

devices and even automata resembling animals and humans, designed primarily as entertainment.

As mechanical techniques developed through the Industrial age, there appeared more practical

applications such as automated machines, remote-control and wireless remote-control.

Robot

From Wikipedia, the free encyclopedia

A robot is a machine—especially one programmable by a computer— capable of carrying out a

complex series of actions automatically. Robots can be guided by an external control device or the

control may be embedded within. Robots may be constructed on the lines of human form, but most

robots are machines designed to perform a task with no regard to their aesthetics.

Robots can be autonomous or semi-autonomous and range from humanoids such as Honda's

Advanced Step in Innovative Mobility (ASIMO) and TOSY's TOSY Ping Pong Playing Robot

(TOPIO) to industrial robots, medical operating robots, patient assist robots, dog therapy robots,

collectively programmed swarm robots, UAV drones such as General Atomics MQ-1 Predator, and

even microscopic nano robots. By mimicking a lifelike appearance or automating movements, a

robot may convey a sense of intelligence or thought of its own. Autonomous things are expected to

proliferate in the coming decade, with home robotics and the autonomous car as some of the main

drivers.

The branch of technology that deals with the design, construction, operation, and application of

robots, as well as computer systems for their control, sensory feedback, and information processing

is robotics. These technologies deal with automated machines that can take the place of humans in

dangerous environments or manufacturing processes, or resemble humans in appearance, behavior,

or cognition. Many of today's robots are inspired by nature contributing to the field of bio-inspired

robotics. These robots have also created a newer branch of robotics: soft robotics.

From the time of ancient civilization there have been many accounts of user-configurable automated

devices and even automata resembling animals and humans, designed primarily as entertainment.

As mechanical techniques developed through the Industrial age, there appeared more practical

applications such as automated machines, remote-control and wireless remote-control.

Robot

From Wikipedia, the free encyclopedia

A robot is a machine—especially one programmable by a computer— capable of carrying out a

complex series of actions automatically. Robots can be guided by an external control device or the

control may be embedded within. Robots may be constructed on the lines of human form, but most

robots are machines designed to perform a task with no regard to their aesthetics.

Robots can be autonomous or semi-autonomous and range from humanoids such as Honda's

Advanced Step in Innovative Mobility (ASIMO) and TOSY's TOSY Ping Pong Playing Robot

(TOPIO) to industrial robots, medical operating robots, patient assist robots, dog therapy robots,

collectively programmed swarm robots, UAV drones such as General Atomics MQ-1 Predator, and

even microscopic nano robots. By mimicking a lifelike appearance or automating movements, a

robot may convey a sense of intelligence or thought of its own. Autonomous things are expected to

proliferate in the coming decade, with home robotics and the autonomous car as some of the main

drivers.

The branch of technology that deals with the design, construction, operation, and application of

robots, as well as computer systems for their control, sensory feedback, and information processing

is robotics. These technologies deal with automated machines that can take the place of humans in

dangerous environments or manufacturing processes, or resemble humans in appearance, behavior,

or cognition. Many of today's robots are inspired by nature contributing to the field of bio-inspired

robotics. These robots have also created a newer branch of robotics: soft robotics.

From the time of ancient civilization there have been many accounts of user-configurable automated

devices and even automata resembling animals and humans, designed primarily as entertainment.

As mechanical techniques developed through the Industrial age, there appeared more practical

applications such as automated machines, remote-control and wireless remote-control.

Robot

From Wikipedia, the free encyclopedia

A robot is a machine—especially one programmable by a computer— capable of carrying out a

complex series of actions automatically. Robots can be guided by an external control device or the

control may be embedded within. Robots may be constructed on the lines of human form, but most

robots are machines designed to perform a task with no regard to their aesthetics.

Robots can be autonomous or semi-autonomous and range from humanoids such as Honda's

Advanced Step in Innovative Mobility (ASIMO) and TOSY's TOSY Ping Pong Playing Robot

(TOPIO) to industrial robots, medical operating robots, patient assist robots, dog therapy robots,

collectively programmed swarm robots, UAV drones such as General Atomics MQ-1 Predator, and

even microscopic nano robots. By mimicking a lifelike appearance or automating movements, a

robot may convey a sense of intelligence or thought of its own. Autonomous things are expected to

proliferate in the coming decade, with home robotics and the autonomous car as some of the main

drivers.

The branch of technology that deals with the design, construction, operation, and application of

robots, as well as computer systems for their control, sensory feedback, and information processing

is robotics. These technologies deal with automated machines that can take the place of humans in

dangerous environments or manufacturing processes, or resemble humans in appearance, behavior,

or cognition. Many of today's robots are inspired by nature contributing to the field of bio-inspired

robotics. These robots have also created a newer branch of robotics: soft robotics.

From the time of ancient civilization there have been many accounts of user-configurable automated

devices and even automata resembling animals and humans, designed primarily as entertainment.

As mechanical techniques developed through the Industrial age, there appeared more practical

applications such as automated machines, remote-control and wireless remote-control.