



МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ
КАФЕДРА ІНОЗЕМНИХ МОВ
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ

**XIV ВСЕУКРАЇНСЬКОЇ
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
СТУДЕНТІВ, АСПІРАНТІВ ТА ВИКЛАДАЧІВ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ
КАФЕДРИ ІНОЗЕМНИХ МОВ**

«TO MAKE THE WORLD SMARTER AND SAFER»

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ROBOTICS

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Robotics is applied science that is responsible for the design, development, construction, operation and the use of robots and also for the computer systems which are necessary for the robotic control and sensory feedback based on output signals from the sensors and information processing of automated technical robotic systems.

Robots are of great use in human life nowadays. They work in places where people cannot work. As more and more robots are designed to perform individual tasks, they must be classified.

Some robots are designed for severe work (medical manipulators), others handle heavy objects (cranes, elevators, lifts).

Therefore, all robots can be classified according to their appointment, motor apparatus and the way of reading information.

As for the appointment and the format of performed work robots can be classified as technological (industrial), aid (shipping) and universal.

As for motor apparatus they can be classified as wheeled, walking, swimming and flying robots.

According to the way of reading information robots can be with robotic sounding, touch and vision.

The history of robotics began when people realized that they could expand their capabilities and therefore made their life easier. The development of robots is only an intermediate stage in the main technical race of our time namely the invention of artificial intelligence. Everyone who produces robots is trying to give them something new, to teach them some new skills and provide additional opportunities.

Everyone should also understand that a widespread interest in robotics arises in the war time. All our seemingly familiar things were invented in times of war to help soldiers. During the war robots can save soldiers' lives with less wastage of energy and resources