



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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**Суми
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Maschinelles Lernen hat sogar gezeigt, menschliches Verhalten zu analysieren und Warnsignale vorherzusagen.

Je mehr wir künstliche Intelligenz studieren und entwickeln, desto klarer wird, dass dieses enorm mächtige Werkzeug mit viel Verantwortung verbunden ist. Obwohl wir hoffen können, dass artifizielle Intelligenz unsere Gesellschaft voranbringt. Im Moment wissen wir einfach nicht, was die Zukunft bringt.

VOICE ASSISTANT

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Everyday devices become smarter. Thanks to software agent which is called an intelligent virtual assistant (IVA) or intelligent personal assistant we can use our appliances in full. Nowadays there are more than 30 different IVA, but all of them have differences. Popular voice assistants currently include Apple's Siri, Amazon's Alexa, Google Now, Google Assistant and Microsoft's Cortana.

Voice assistants are technology-based. Voice assistants are built on artificial intelligence, machine learning and voice recognition technology. These agents can interpret human speech and respond via synthesized voices. They are the point of communication between you and all your connected devices. They can perform a variety of actions after hearing a wake word or command. For example, IVA can help you control your “smart” house like to turn off light, make some coffee drinks or full bath with ideal water temperature.

Voice assistant devices bring a new, hands-free experience to our lives. By using voice assistant, you may organize and systematize your work. Voice command can be an excellent helper for you in daily life. Only by the voice you can call, message or turn the music on, in short, operate your device fully. Instead of always try to found information by yourself you may

give a command to the assistant and it runs this command at a few seconds.

The first modern digital virtual assistant installed on a smartphone was Siri, which was introduced as a feature of the iPhone 4S (2011). Then there was Amazon Echo (2014), Google Home (2016). They introduced consumers to the idea of using the voice to perform tasks. Now, it is about voice becoming a pervasive interaction mode that has more capabilities and is used more frequently across more devices and contexts.

Now practically all “smart” devices support voice assistant. With extensive use of IVA, it has a huge list of criteria. Such as intelligence, different types of supports (languages, “smart” home and etc.), private policy.

TESLA – ELECTRIC CARS

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Emissions of exhaust and crankcase gases into the atmosphere are large, that is why using cars with an internal combustion chamber is not very useful. The creation of a comfortable and less polluting vehicle is relevant. To realize this idea, purer energy is needed, it can be obtained by using electricity.

Tesla Motors Inc is a manufacturer of electric cars using electric motors. The company was founded by Elon Musk, JB Stobel, Martin Ebergardd, Mark Tarpenting and Ian Wright. The name of the company used the name of the first creator of the electric motor, Nicholas Tesla. Based on research and testing, the first Tesla electric car model was developed. It has a very simple design and the number of mechanical parts is minimized. The electric motor is powered by batteries located at the bottom of the car. The battery is an assembly of lithium-ion batteries, they can be discharged and recharged many times.