

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

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

“TO MAKE THE WORLD SMARTER AND SAFER”

(Суми, 23 березня 2017 року)

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SUMY STATE UNIVERSITY
FOREIGN LANGUAGES DEPARTMENT
LANGUAGE CENTRE

**MATERIALS OF THE ELEVENTH
ALL UKRAINIAN SCIENTIFIC PRACTICAL
STUDENTS', POSTGRADUATES' AND INSTRUCTORS'
CONFERENCE OF LANGUAGE CENTRE OF THE
FOREIGN LANGUAGES DEPARTMENT**

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(Sumy, March 23, 2017)

RECENT INNOVATIONS

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Innovation can be defined simply as a "new idea, device or method". We live in the age of science. People live, move and think in terms of science. Science has improved the quality of our life. Water, air, time and space have been conquered. People constantly use natural resources. There are wonderful innovations in all spheres of our life:

Coastline cleaner

An ocean-cleaning innovation finally became a reality in 2016 after five years of research, prototypes and creativity.

Dutch entrepreneur Boyan Slat first proposed an ocean cleanup machine at only 17 years old. But a prototype of the buoyant boom-like device — called Boomy McBoomface — was finally put into action in 2016.

Slat's device floats along a coast and creates an artificial coastline, catching debris on the surface of the ocean. A connected conveyer then lifts the garbage into a central tower, where it is sorted for disposal.

The printable strips for in-home testing of infectious diseases

Researchers at Florida Atlantic University have created paper and plastic strips for in-home diagnostic testing of HIV, E.coli, Staphylococcus aureas and other bacteria, as well as a smartphone app that could detect these bacteria using images remotely.

According to Fast Company, the E.coli test is made of paper (cellulose) and printed with a mixture of antibodies and gold nanoparticles. If bacteria is found, a color change indicates a positive result.

Sidewalk traffic lights for those glued to their phones

Let's face it: You simply can't be trusted to peel your eyes away from your phone — even when crossing the street.

That's why German public transportation provider Stadtwerke Augsburg embedded traffic lights in some city crosswalks around the country. The company hopes the new lights will help tech-focused pedestrians to cross streets safely — even if they refuse to look up.

So, innovation is an integral part of modern life. A modern human with growing income needs more and more new products or services which will make our life simpler, brighter, and fuller.