

# Program of the English Language Conference 2014

(Department of applied mathematics and IT)

Thursday, 15.05.2014 - time: 8.30 a.m., room 120

## 1. Lyubov Alpeeva: “Biosensors”

The new branch of interrelation between biology and IT is the biosensor technology. The structure, possible application areas and development perspectives will be described in this presentation.

*English language consultant: Ksenia A. Borodina*

## 2. Julia Rybalkina: “3D Printing - Technology of the Future.”

A 3D printer is a new trend in industrial robotics that is capable of carrying out an additive process under computer control. The technology is used in the fields of industrial design, architecture, engineering and education, etc. The structure and application areas of this new technology will be discussed.

*English Language Consultant: Dina V. Lavrova*

## 3. Alexander Lukoshkin: “Smart city”

The concept of the Smart City has been introduced as a strategic device to highlight the growing importance of Information and Communication Technologies (ICTs). The author of this presentation will present an overview of specific technologies that help to create Smart Cities, the cities of the future.

*English language consultant: Ksenia A. Borodina*

## 4. Oleg Aksenoy "String Theory"

The presentation gives insight into the fundamental principles of the universe and elementary particles as the constituents of it. The report also unfolds string theory and its application in the modern science.

*English language consultant: Arina B. Dolya*

## 5. Anton Raskin: “The Age of Homemade Robots”

The presentation considers one of the most fantastic ideas – opportunity to make futuristic robots by everyone in the near future. It also highlights new modern technologies of constructing such devices at home.

*English language consultant: Yana A. Gudkova*

## 6. Vladimir Evteryov: “360 Fly Panoramic Video Camera”

This presentation is devoted to one of the latest developments of Voxx Electronics - the 360Fly Panoramic Video Camera. It has become extremely popular because it gives an opportunity to get as much information as possible at a time. The Panoramic Video Camera enables customers to capture 360° video recording, zoom and pan the video using the dedicated software.

*English Language Consultant: Dina V. Lavrova*

## 7. Fedor Zolotarev: “Vision Reconstruction”

The presentation deals with the problem of brain imaging to reveal the movies in our mind. The process reproduces visual images from analysis of blood flow to brain. Experts believe it could be used in the future to analyze dreams and memories

*English language consultant: Yana A. Gudkova*