

Program of the English Language Conference 2014

(Department of mathematics, mechanics and IT)

Tuesday, 13.05.2014 - time: 12.20 p.m., room 120

1. Irina Prikhodko: "Make Music-Software programs to compose, practice, teach and perform music "

What about composing music at home on the computer with a software program? Even for beginners? The technology makes it simple to compose music with the help of computer software. You don't need virtually any understanding of music to use this software. What is the best software to compose music? You can find the answer in my presentation!

English language consultant: Natalia M. Uleyeva

2. Yuriy Silnyagin : "Position Based Fluids "

Smoothed Particle Hydrodynamics method is traditionally used for liquid behavior simulating. It is based on 3D graphic. It could be used for solving a wide range of tasks. A better performance could be achieved with Position Based Dynamics framework technique.

English language consultant: Svetlana B. Mylnikova

3. Oleg Batashov: "How Quantum Computing May Change the World "

The presentation is devoted to a new kind of machine that can unlock the power to solve our most difficult problems. Major companies and government agencies believe it will change the way we cure diseases, explore the heavens and do businesses on the Earth.

English language consultant: Yana A. Gudkova

4. Leonid Vasiliev: "Alternative Energy: Problems and Solutions"

A brief overview of alternative energy sources is provided in the presentation. Consumption of energy is constantly increasing. Can alternative energy prevent possible energy crisis? What are its advantages and disadvantages?

English language consultant: Elena I. Grushko

5. Olga Potetyunko: "The Internet Memes"

The presentation is devoted to memes, in particular - the Internet memes. The reporter will prove that memes are not just funny pictures, but an integral and indispensable part of the Internet. It will be also told about the background and origin of several well-known memes.

English language consultant: Arina B. Dolya

6. Alexander Ivanin: "How Robots Work "

Do you know that people and robots have an identical structure? Do you know that robots can learn, interact socially and act on their own, independent of any controller? You'll get answers in this presentation.

English language consultant: Yana A. Gudkova

7. Sergei Podgorny: "Flexible OLED Displays"

Flexible OLED displays are based on OLED technology. It relies on organic light emitting diodes. OLED displays can be folded in different ways and still remain operational. OLED, LCD and plasma displays are compared. In future OLED technology will have a wide range of practical applications.

English language consultant: Svetlana B. Mylnikova

8. Oleg Maroseev: "CUDA – Compute Unified Device Architecture"

A parallel computing platform and programming model CUDA is considered in the presentation. It enables dramatic increases in computing performance by harnessing the power of the graphics processing unit (GPU).

English language consultant: Yana A. Gudkova