VIRTUAL REALITY IN THE MODERN LIFE

Сиваш М.С..

Київський національний університет технологій та дизайну Науковий керівник – к. пед.н. Гальченко О. Ю.

Lately there has been a lot of talk about virtual reality. There are enough hot news and just discussions. First appeared the glasses of virtual reality, in which you have to insert a smartphone (Google Cardboard and Samsung Gear VR). Recently, Oculus Rift was previously presented. It's already clear that the virtual reality is coming. Many people predict its frenzied success, others doubt. Some people even predict that virtual reality is waiting for a complete failure, like 3D TVs. But virtual reality is another matter. For today, there are a lot of interesting applications of this technology that are available to the consumer, and these are not only games. Here are five of the best of them:

1. Be inside the game, and play sports at the same time.

Many users like to watch the Tour de France cycle race or other sport events. In addition, it's useful for all of us to do exercises. If you combine both, you will get the games of a new generation, for example, VirZoom and ebove B from Activainment company.

2. The new social network AltspaceVR.

This social network was launched just a few days ago. Wherever you are in reality, you can communicate here with those who are actually on the other side of the world. What is friendship, if there isn't opportunity to talk, to share experiences and to spend time together? The meaning of AltspaceVR is exactly in this, and here is seen a huge potential. While the service is still very young, but it seems that the revolution in social networks lies exactly in this direction.

3. Live concert at home.

When you visit any performance or concert, it is fascinatingly to look at others and at their reactions. This is an important part of the sensations. The famous Saturday Night Live show on its fortieth anniversary, which was recently held, placed

a panoramic camera right in the studio, so viewers with Android devices and Google Cardboard could watch alive how Will Ferrell and Alex Trebek were playing "Their game". You could also look at what usually remains on the other side of the camera: operators and viewers, including Michael Douglas, John Goodman, James Franco, Larry David, Tim Meadows, Dakota Johnson and Sarah Palin. Such things add a lot to the impression of the show - earlier similar sensations could only get those who were lucky enough to get to the shooting.

4. Watching a movie on the Moon in front of a 40-meter screen.

Oculus Cinema is an application that allows you to watch movies and other video content or in an ordinary cinema, or in IMAX, or even on the Moon. The light reflects off the screen and illuminates the moon stones, and if you look to the right, you can see the body of the American lunar Apollo module (which explains how you got here). It's very cool, because the feeling are really like in a cinema. It is dark around, you will not look for a movie review in your phone, and this is important in the movie - it pulls us out of the familiar world. In addition, Oculus has just announced that soon the movies can be watched with friends - they will sit in the same cinema (or on the Moon next to you), and the virtual space will become less empty and lonely.

5. Teleport to anywhere in the world with Google Street View VR.

Of course, no HD-screen will replace a real walk along the Boulevard Saint-Michel in Paris. However, if you do not want to buy a real plane ticket, Google Street View VR (as long as it is only available for Android and works with Google Cardboard and Gear VR) can give a very realistic view of the remote corners of the planet. Studying unfamiliar cities even through the usual Street View is quite fascinating - for sure many will agree that panoramic images, in which you can also turn in different directions, are excellent for this.

A BP with a 360° view is one more big step forward compared to the usual Street View. Here you can walk freely along the streets, and the sensations are much stronger. Unlike the usual Street View, BP allows you to completely immerse yourself in a new environment and notice the details that you would not even notice. The magic here is in this: when you use the usual Street View, you look at the

monitor, but still around is your own living room, and this feeling does not go away. A Street View VR allows you to completely immerse yourself in a different reality.

References:

- 1. James, Paul (2014-01-30). "30 Minutes Inside Valve's Prototype Virtual Reality Headset: Owlchemy Labs Share Their Steam Dev Days Experience Road to VR". Road to VR. Retrieved 2016-12-14.
- 2. James, Paul (2016-04-19). "A Look at NASA's Hybrid Reality Astronaut Training System, Powered by HTC Vive Road to VR". Road to VR. Retrieved 2017-03-15.
- 3. Kim, Meeri (August 21, 2016). "Virtual reality apps aim to make exercise less tedious". Tyler Morning Telegraph. pp. A1, A11.
- 4. Brutzman, Don (October 2016). "X3D Graphics and VR" web3D.org. Web3D Consortium. Retrieved 20 March 2017.